



City of La Crosse, Wisconsin

City Hall
400 La Crosse Street
La Crosse, WI 54601

Meeting Agenda

Commercial/Multi-Family Design Review Committee

Friday, March 13, 2026

9:00 AM

Virtual via Zoom

The meeting is conducted through video conferencing.

Members of the public will be able to attend the meeting via video conferencing with the link below.

Join Zoom Meeting

Click this link (or typing the URL in your web browser address bar):

<https://cityoflacrosse-org.zoom.us/j/82799188943?pwd=pAMS3MbJusyBqR9mjCiK3jH6cAP0rk.1>

Meeting ID: 827 9918 8943

Passcode: 212646

Dial by your location

1 312 626 6799

If you wish to speak please provide written comments by emailing acklint@cityoflacrosse.org, using a drop box outside of City Hall or mailing the Department of Planning, Development, and Assessment at 400 La Crosse St, WI 54601

Call to Order

Agenda Items:

1. [26-0148](#) Review of plans for the commercial addition located at 3936 County Road B. (Bethany Church)
Attachments: [Final Plans 3-13-2026](#)
[Preliminary Design Review Memo 2-13-2026](#)
[Preliminary Plans- 2-13-2026](#)
2. [26-0252](#) Review of plans for the Commercial Development located at 605 West Ave. (Mayo Employees Federal Credit Union)
Attachments: [Prelim Arch Plans 3-13-2026](#)
[Prelim Civil Plans 3-13-2026](#)
[Prelim SWMP 3-13-2026](#)
[Main Entry Rendering 3-13-2026](#)
[Rear Entry Rendering 3-13-2026](#)

Adjournment

Notice is further given that members of other governmental bodies may be present at the above scheduled meeting to gather information about a subject over which they have decision-making responsibility.

NOTICE TO PERSONS WITH A DISABILITY

Requests from persons with a disability who need assistance to participate in this meeting should call the City Clerk's office at (608) 789-7510 or send an email to ADAcityclerk@cityoflacrosse.org, with as much advance notice as possible.



City of La Crosse, Wisconsin

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400 La Crosse Street
La Crosse, WI 54601

Text File

File Number: 26-0148

Agenda Date:

Version: 1

Status: Agenda Ready

In Control: Planning & Development

File Type: Review of Plans

Agenda Number: 1.

CITY OF LA CROSSE COMMERCIAL DESIGN REVIEW - FINAL REVIEW

BETHANY CHURCH

3936 COUNTY ROAD B
LA CROSSE



FINAL REVIEW PACKET INCLUDES:

- DRAWINGS FROM PARAGON
- EXISTING CONDITIONS MAP
- DEMOLITION PLAN
- SITE PLAN
- GRADING PLAN
- EROSION CONTROL PLAN
- UTILITY PLAN
- DETAILS
- LANDSCAPE PLAN
- DRAWINGS DESIGN-BUILD ELECTRICAL - DSG
- EXTERIOR LIGHTING PLAN
- EXTERIOR LIGHT TECHNICAL SPECIFICATION SHEETS
- DRAWINGS FROM HSR
- FIRST FLOOR PLAN
- EXTERIOR ELEVATIONS
- EXTERIOR RENDERS

CONCERNS FROM PRELIMINARY REVIEW ADDRESSED:

ADA PARKING STALL LOCATION

THE COMMITTEE ASKED WHETHER THE ADA PARKING STALLS SHOULD BE RELOCATED. SINCE THE CHURCH INTENDS TO KEEP THE CURRENT MAIN ENTRANCE AS THE PRIMARY ENTRANCE TO THE BUILDING, THE EXISTING ADA STALLS REMAIN THE CLOSEST ACCESSIBLE PARKING SPACES TO THAT ENTRANCE. FOR THIS REASON, WE ARE PROPOSING TO KEEP THE ADA STALLS IN THEIR CURRENT LOCATION.

STAIRS AT THE NEW ENTRANCE

THE COMMITTEE SUGGESTED CONSIDERING THE REMOVAL OF THE STAIRS AT THE NEW ENTRANCE. DUE TO THE SIGNIFICANT ELEVATION DIFFERENCE BETWEEN THE FINISHED FLOOR ELEVATION AND THE EXISTING CURB ELEVATION, ELIMINATING THE STAIRS IS NOT FEASIBLE. AN ACCESSIBLE ROUTE WILL BE PROVIDED FROM THE NEW ENTRANCE THAT CONNECTS TO THE CURB RAMP LOCATED TO THE SOUTH. ADDITIONALLY, IT IS OUR UNDERSTANDING THAT THE CHURCH PREFERS TO DISCOURAGE THE USE OF THIS ENTRANCE AS A DROP-OFF LOCATION.

DROP-OFF AREA MINIMUM WIDTH

THE DROP-OFF APPROACH AND EXIT ARE BOTH EXISTING PAVEMENT AREAS. THE PROPOSED DESIGN CONTINUES THE EXISTING PAVEMENT WIDTH WHERE THE NEW SIDEWALK IS BEING ADDED. THIS DROP-OFF AREA IS CURRENTLY SIGNED AS ONE-WAY TRAFFIC, AND IT WILL REMAIN ONE-WAY IN THE PROPOSED DESIGN.



Consultant:



**BETHANY CHURCH
ADDITION AND RENOVATION
EXISTING CONDITIONS MAP**

Project Title:
Project Location: 3935 COUNTY ROAD B
LA CROSSE, WI 54636

Project Number:
25032

Project Date:

Drawn By:
C.G.

Key Plan:

**REVIEW
NOT FOR
CONSTRUCTION**

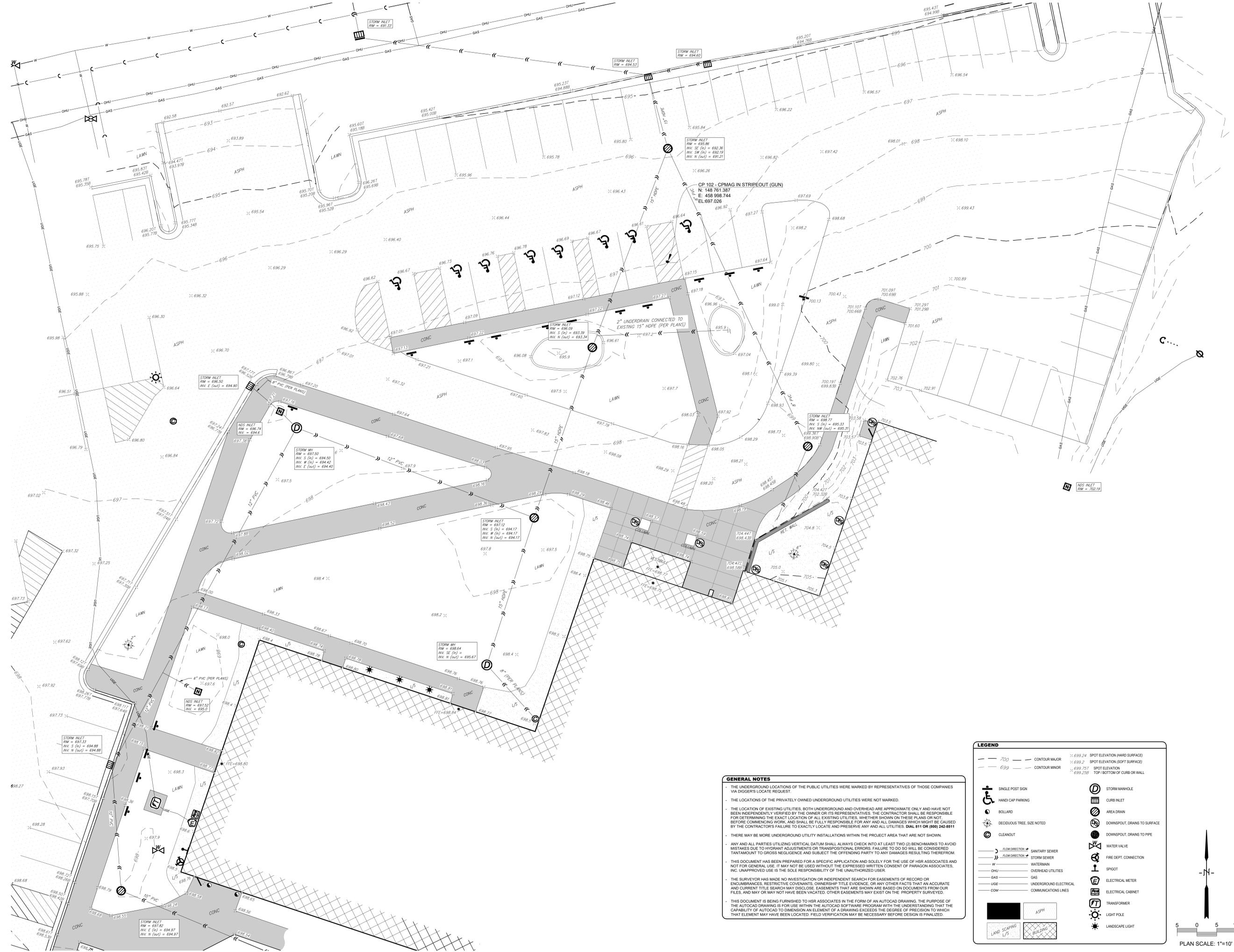
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Graphic Scale:
1" = 10'

Last Update:
03/05/2026

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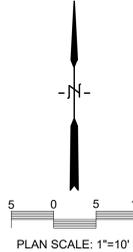


GENERAL NOTES

- THE UNDERGROUND LOCATIONS OF THE PUBLIC UTILITIES WERE MARKED BY REPRESENTATIVES OF THOSE COMPANIES VIA DIGGERS LOCATE REQUEST.
- THE LOCATIONS OF THE PRIVATELY OWNED UNDERGROUND UTILITIES WERE NOT MARKED.
- THE LOCATION OF EXISTING UTILITIES, BOTH UNDERGROUND AND OVERHEAD ARE APPROXIMATE ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THESE PLANS OR NOT, BEFORE COMMENCING WORK, AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES. DIAL 811 OR (800) 242-8811
- THERE MAY BE MORE UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
- ANY AND ALL PARTIES UTILIZING VERTICAL DATUM SHALL ALWAYS CHECK INTO AT LEAST TWO (2) BENCHMARKS TO AVOID MISTAKES DUE TO HYDRANT ADJUSTMENTS OR TRANPOSITIONAL ERRORS. FAILURE TO DO SO WILL BE CONSIDERED TANTAMOUNT TO GROSS NEGLIGENCE AND SUBJECT THE OFFENDING PARTY TO ANY DAMAGES RESULTING THEREFROM.
- THIS DOCUMENT HAS BEEN PREPARED FOR A SPECIFIC APPLICATION AND SOLELY FOR THE USE OF HSR ASSOCIATES AND NOT FOR GENERAL USE. IT MAY NOT BE USED WITHOUT THE EXPRESSED WRITTEN CONSENT OF PARAGON ASSOCIATES, INC. UNAPPROVED USE IS THE SOLE RESPONSIBILITY OF THE UNAUTHORIZED USER.
- THE SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OF RECORD OR ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP TITLE EVIDENCE, OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE. EASEMENTS THAT ARE SHOWN ARE BASED ON DOCUMENTS FROM OUR FILES, AND MAY OR MAY NOT HAVE BEEN VACATED. OTHER EASEMENTS MAY EXIST ON THE PROPERTY SURVEYED.
- THIS DOCUMENT IS BEING FURNISHED TO HSR ASSOCIATES IN THE FORM OF AN AUTOCAD DRAWING. THE PURPOSE OF THE AUTOCAD DRAWING IS FOR USE WITHIN THE AUTOCAD SOFTWARE PROGRAM WITH THE UNDERSTANDING THAT THE CAPABILITY OF AUTOCAD TO DIMENSION AN ELEMENT OF A DRAWING EXCEEDS THE DEGREE OF PRECISION TO WHICH THAT ELEMENT MAY HAVE BEEN LOCATED. FIELD VERIFICATION MAY BE NECESSARY BEFORE DESIGN IS FINALIZED.

LEGEND

700	CONTOUR MAJOR	699.24	SPOT ELEVATION (HARD SURFACE)
699	CONTOUR MINOR	699.2	SPOT ELEVATION (SOFT SURFACE)
		699.25	SPOT ELEVATION (TOP/BOTTOM OF CURB OR WALL)
		699.259	
Single Post Sign		Storm Manhole	
Handicap Parking		Curb Inlet	
Bollard		Area Drain	
Deciduous Tree, Site Noted		Downspout, Drains to Surface	
Cleanout		Downspout, Drains to Pipe	
Flow Direction - Sanitary Sewer		Water Valve	
Flow Direction - Storm Sewer		Fire Dept. Connection	
Watermain		Spigot	
Overhead Utilities		Electrical Meter	
Gas		Electrical Cabinet	
Underground Electrical		Transformer	
Communications Lines		Light Pole	
ASPH		Landscape Light	
Land Scaping			
Building			



PLAN SCALE: 1" = 10'



Consultant:



Environmental Design & Consulting
CIVIL ENGINEERING LANDSCAPE ARCHITECTURE SURVEYING
833 COPLAND AVENUE, LA CROSSE, WI 54601
TEL: 608.781.3110 FAX: 608.781.3187 Paragon@hsra.com

**BETHANY CHURCH
ADDITION AND RENOVATION**

Project Title:
Project Number:
Project Date:
Drawn By:
Key Plan:

25032
C.G.

3936 COUNTY ROAD B
LA CROSSE, WI 54636

DEMOLITION PLAN

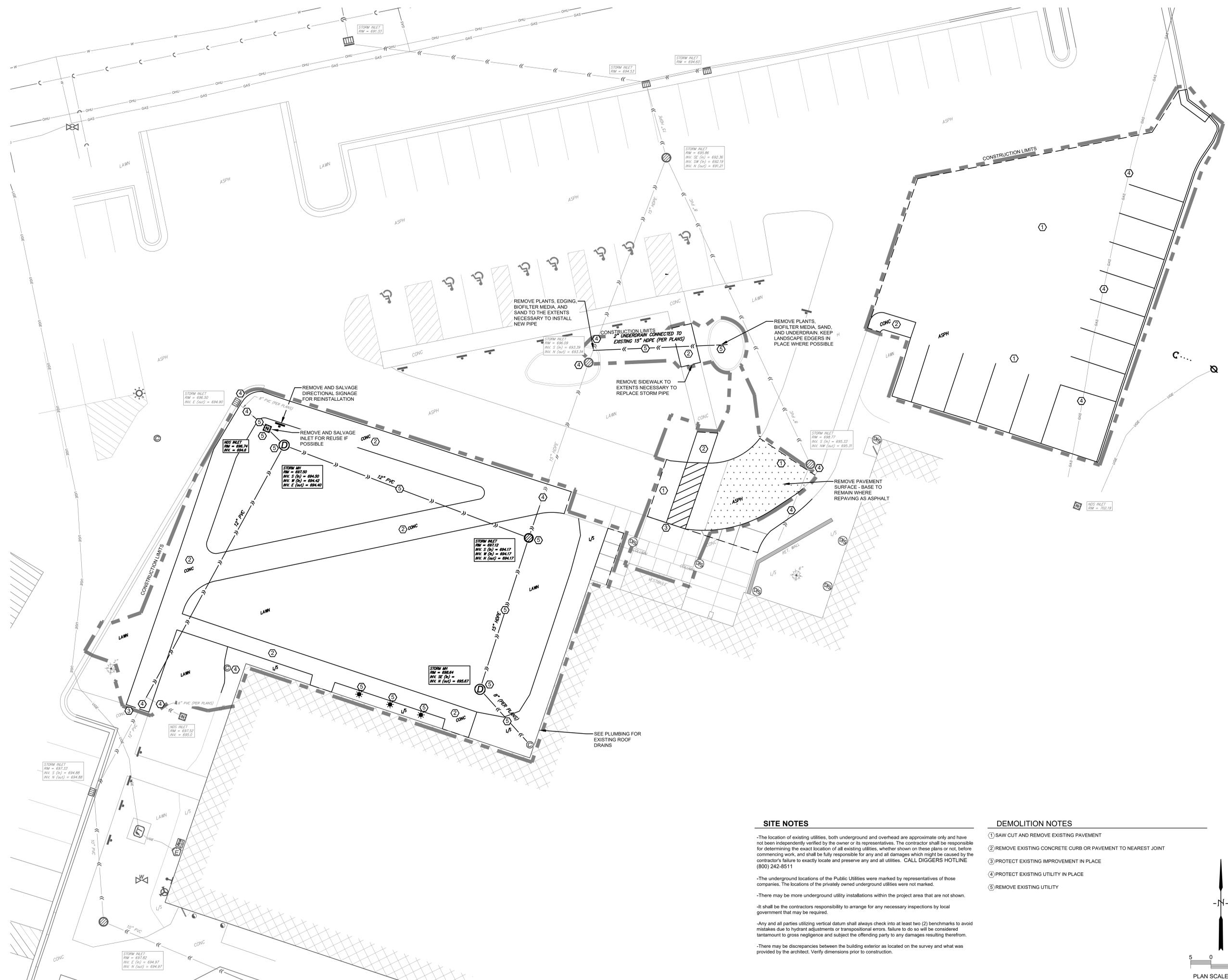
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No.	Description	Date

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Last Update:
03/05/2026

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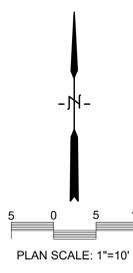


SITE NOTES

- The location of existing utilities, both underground and overhead are approximate only and have not been independently verified by the owner or its representatives. The contractor shall be responsible for determining the exact location of all existing utilities, whether shown on these plans or not, before commencing work, and shall be fully responsible for any and all damages which might be caused by the contractor's failure to exactly locate and preserve any and all utilities. CALL DIGGERS HOTLINE (800) 242-8511
- The underground locations of the Public Utilities were marked by representatives of those companies. The locations of the privately owned underground utilities were not marked.
- There may be more underground utility installations within the project area that are not shown.
- It shall be the contractor's responsibility to arrange for any necessary inspections by local government that may be required.
- Any and all parties utilizing vertical datum shall always check into at least two (2) benchmarks to avoid mistakes due to hydrant adjustments or transpositional errors. Failure to do so will be considered tantamount to gross negligence and subject the offending party to any damages resulting therefrom.
- There may be discrepancies between the building exterior as located on the survey and what was provided by the architect. Verify dimensions prior to construction.

DEMOLITION NOTES

- 1 SAW CUT AND REMOVE EXISTING PAVEMENT
- 2 REMOVE EXISTING CONCRETE CURB OR PAVEMENT TO NEAREST JOINT
- 3 PROTECT EXISTING IMPROVEMENT IN PLACE
- 4 PROTECT EXISTING UTILITY IN PLACE
- 5 REMOVE EXISTING UTILITY





Consultant:



BETHANY CHURCH
ADDITION AND RENOVATION

Project Location: 3936 COUNTY ROAD B
LA CROSSE, WI 54636

SITE PLAN

Project Title:
HSR Project Number: 25032

Project Date:

Drawn By: C.G.

Key Plan:

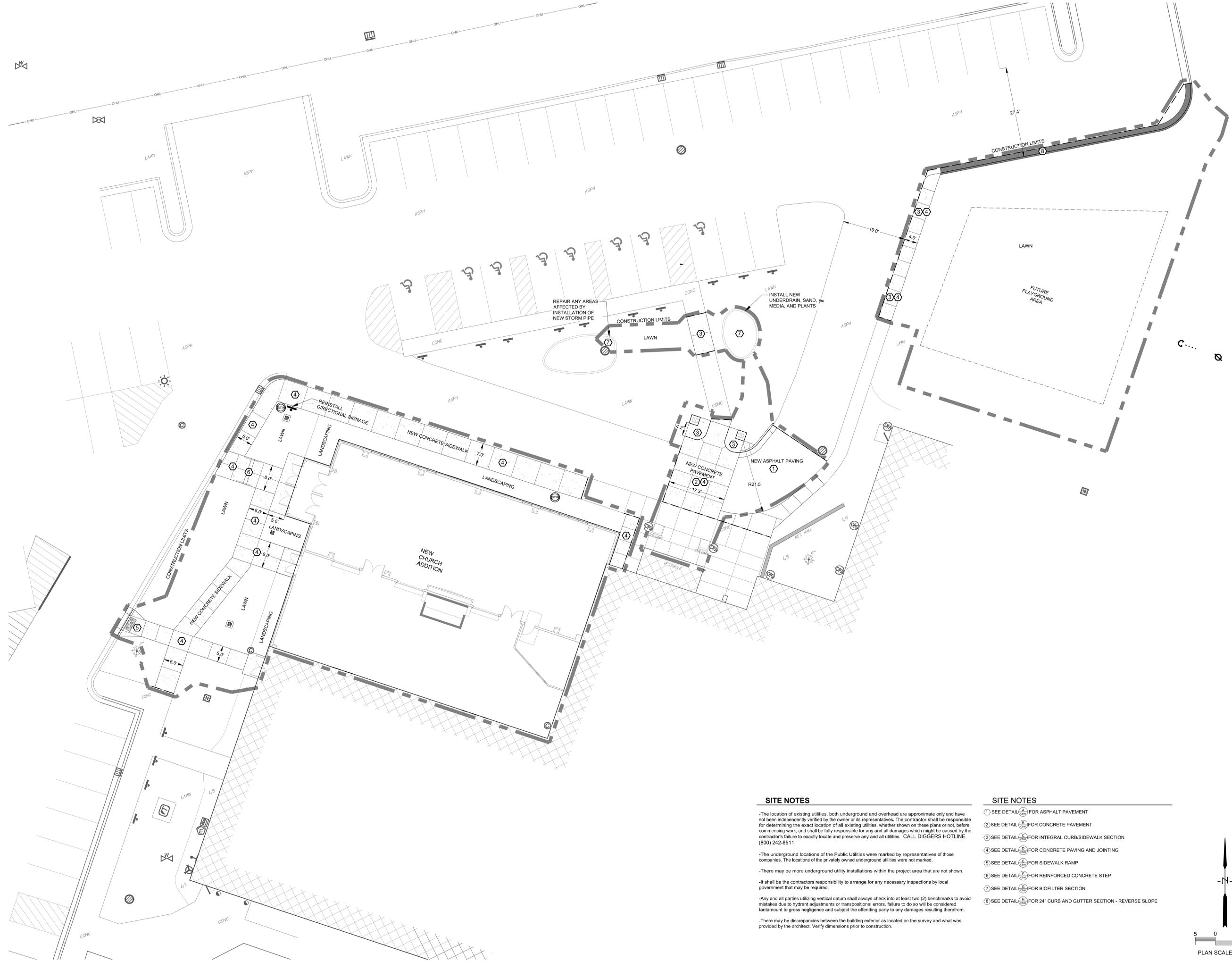
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No.	Description	Date

Graphic Scale: 1" = 10'

Last Update: 03/05/2026

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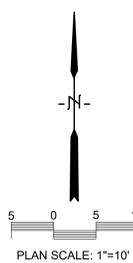


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SITE NOTES

- ① SEE DETAIL (A) FOR ASPHALT PAVEMENT
- ② SEE DETAIL (B) FOR CONCRETE PAVEMENT
- ③ SEE DETAIL (C) FOR INTEGRAL CURB/SIDEWALK SECTION
- ④ SEE DETAIL (D) FOR CONCRETE PAVING AND JOINTING
- ⑤ SEE DETAIL (E) FOR SIDEWALK RAMP
- ⑥ SEE DETAIL (F) FOR REINFORCED CONCRETE STEP
- ⑦ SEE DETAIL (G) FOR BIOFILTER SECTION
- ⑧ SEE DETAIL (H) FOR 24" CURB AND GUTTER SECTION - REVERSE SLOPE





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**BETHANY CHURCH
ADDITION AND RENOVATION
GRADING PLAN**

Project Title:
Project Location: 3936 COUNTY ROAD B
LA CROSSE, WI 54636

Project Number:
25032

Project Date:
Drawn By:
C.G.

Key Plan:

**REVIEW
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CONSTRUCTION**

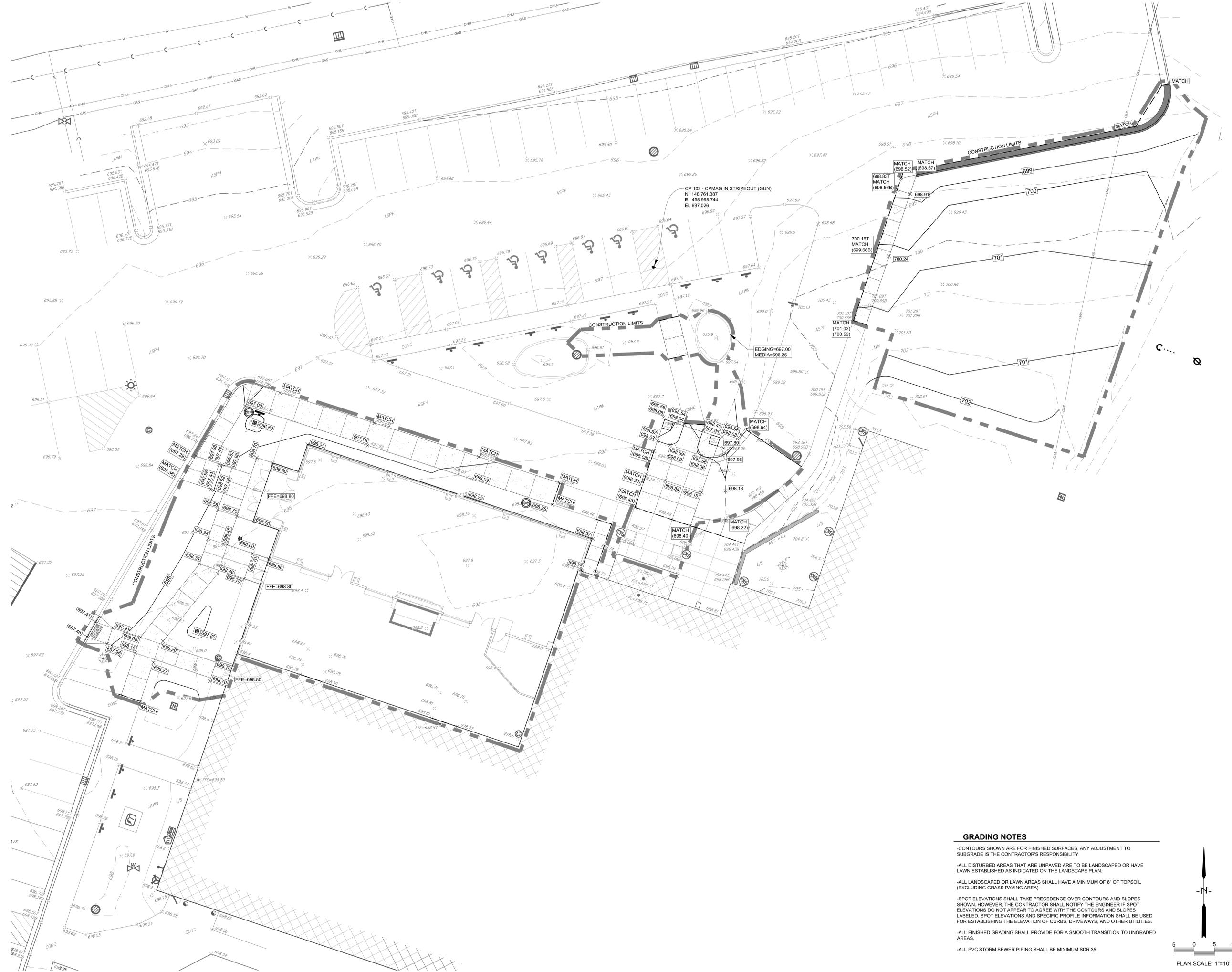
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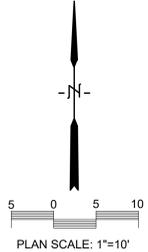
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03/05/2026

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GRADING NOTES

- CONTOURS SHOWN ARE FOR FINISHED SURFACES. ANY ADJUSTMENT TO SUBGRADE IS THE CONTRACTOR'S RESPONSIBILITY.
- ALL DISTURBED AREAS THAT ARE UNPAVED ARE TO BE LANDSCAPED OR HAVE LAWN ESTABLISHED AS INDICATED ON THE LANDSCAPE PLAN.
- ALL LANDSCAPED OR LAWN AREAS SHALL HAVE A MINIMUM OF 6" OF TOPSOIL (EXCLUDING GRASS PAVING AREA).
- SPOT ELEVATIONS SHALL TAKE PRECEDENCE OVER CONTOURS AND SLOPES SHOWN. HOWEVER, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF SPOT ELEVATIONS DO NOT APPEAR TO AGREE WITH THE CONTOURS AND SLOPES. LABELLED SPOT ELEVATIONS AND SPECIFIC PROFILE INFORMATION SHALL BE USED FOR ESTABLISHING THE ELEVATION OF CURBS, DRIVEWAYS, AND OTHER UTILITIES.
- ALL FINISHED GRADING SHALL PROVIDE FOR A SMOOTH TRANSITION TO UNGRADED AREAS.
- ALL PVC STORM SEWER PIPING SHALL BE MINIMUM SDR 35





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TEL: 608.781.3110 FAX: 608.781.3187 Paragon@paragon.com

**BETHANY CHURCH
ADDITION AND RENOVATION**

Project Location: 3936 COUNTY ROAD B
LA CROSSE, WI 54636

EROSION CONTROL PLAN

Project Title:

HSR Project Number: **25032**

Project Date:

Drawn By: **C.G.**

Key Plan:

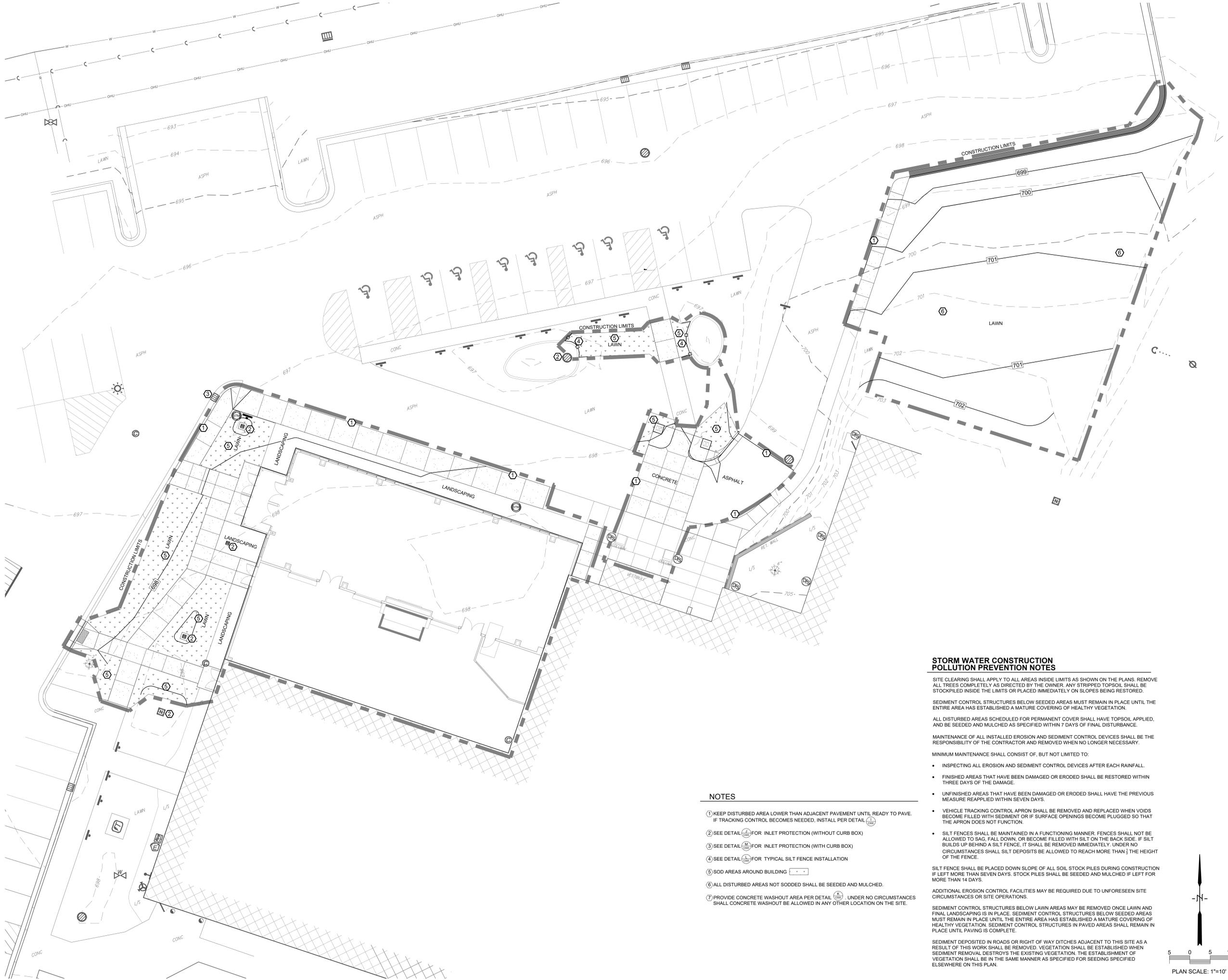
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Last Update: **03/05/2026**

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**STORM WATER CONSTRUCTION
POLLUTION PREVENTION NOTES**

SITE CLEARING SHALL APPLY TO ALL AREAS INSIDE LIMITS AS SHOWN ON THE PLANS. REMOVE ALL TREES COMPLETELY AS DIRECTED BY THE OWNER. ANY STRIPPED TOPSOIL SHALL BE STOCKPILED INSIDE THE LIMITS OR PLACED IMMEDIATELY ON SLOPES BEING RESTORED.

SEDIMENT CONTROL STRUCTURES BELOW SEEDED AREAS MUST REMAIN IN PLACE UNTIL THE ENTIRE AREA HAS ESTABLISHED A MATURE COVERING OF HEALTHY VEGETATION.

ALL DISTURBED AREAS SCHEDULED FOR PERMANENT COVER SHALL HAVE TOPSOIL APPLIED, AND BE SEEDED AND MULCHED AS SPECIFIED WITHIN 7 DAYS OF FINAL DISTURBANCE.

MAINTENANCE OF ALL INSTALLED EROSION AND SEDIMENT CONTROL DEVICES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND REMOVED WHEN NO LONGER NECESSARY.

MINIMUM MAINTENANCE SHALL CONSIST OF, BUT NOT LIMITED TO:

- INSPECTING ALL EROSION AND SEDIMENT CONTROL DEVICES AFTER EACH RAINFALL.
- FINISHED AREAS THAT HAVE BEEN DAMAGED OR ERODED SHALL BE RESTORED WITHIN THREE DAYS OF THE DAMAGE.
- UNFINISHED AREAS THAT HAVE BEEN DAMAGED OR ERODED SHALL HAVE THE PREVIOUS MEASURE REAPPLIED WITHIN SEVEN DAYS.
- VEHICLE TRACKING CONTROL APRON SHALL BE REMOVED AND REPLACED WHEN VOIDS BECOME FILLED WITH SEDIMENT OR IF SURFACE OPENINGS BECOME PLUGGED SO THAT THE APRON DOES NOT FUNCTION.
- SILT FENCES SHALL BE MAINTAINED IN A FUNCTIONING MANNER. FENCES SHALL NOT BE ALLOWED TO SAG, FALL DOWN, OR BECOME FILLED WITH SILT ON THE BACK SIDE. IF SILT BUILDS UP BEHIND A SILT FENCE, IT SHALL BE REMOVED IMMEDIATELY. UNDER NO CIRCUMSTANCES SHALL SILT DEPOSITS BE ALLOWED TO REACH MORE THAN 1/4 THE HEIGHT OF THE FENCE.

SILT FENCE SHALL BE PLACED DOWN SLOPE OF ALL SOIL STOCK PILES DURING CONSTRUCTION IF LEFT MORE THAN SEVEN DAYS. STOCK PILES SHALL BE SEEDED AND MULCHED IF LEFT FOR MORE THAN 14 DAYS.

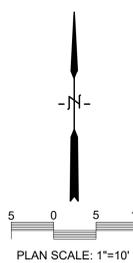
ADDITIONAL EROSION CONTROL FACILITIES MAY BE REQUIRED DUE TO UNFORESEEN SITE CIRCUMSTANCES OR SITE OPERATIONS.

SEDIMENT CONTROL STRUCTURES BELOW LAWN AREAS MAY BE REMOVED ONCE LAWN AND FINAL LANDSCAPING IS IN PLACE. SEDIMENT CONTROL STRUCTURES BELOW SEEDED AREAS MUST REMAIN IN PLACE UNTIL THE ENTIRE AREA HAS ESTABLISHED A MATURE COVERING OF HEALTHY VEGETATION. SEDIMENT CONTROL STRUCTURES IN PAVED AREAS SHALL REMAIN IN PLACE UNTIL PAVING IS COMPLETE.

SEDIMENT DEPOSITED IN ROADS OR RIGHT OF WAY DITCHES ADJACENT TO THIS SITE AS A RESULT OF THIS WORK SHALL BE REMOVED. VEGETATION SHALL BE ESTABLISHED WHEN SEDIMENT REMOVAL DESTROYS THE EXISTING VEGETATION. THE ESTABLISHMENT OF VEGETATION SHALL BE IN THE SAME MANNER AS SPECIFIED FOR SEEDING SPECIFIED ELSEWHERE ON THIS PLAN.

NOTES

- 1 KEEP DISTURBED AREA LOWER THAN ADJACENT PAVEMENT UNTIL READY TO PAVE. IF TRACKING CONTROL BECOMES NEEDED, INSTALL PER DETAIL (K) (1)
- 2 SEE DETAIL (M) FOR INLET PROTECTION (WITHOUT CURB BOX)
- 3 SEE DETAIL (M) FOR INLET PROTECTION (WITH CURB BOX)
- 4 SEE DETAIL (L) FOR TYPICAL SILT FENCE INSTALLATION
- 5 SOD AREAS AROUND BUILDING (---)
- 6 ALL DISTURBED AREAS NOT SODDED SHALL BE SEEDED AND MULCHED.
- 7 PROVIDE CONCRETE WASHOUT AREA PER DETAIL (K) (2). UNDER NO CIRCUMSTANCES SHALL CONCRETE WASHOUT BE ALLOWED IN ANY OTHER LOCATION ON THE SITE.





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**BETHANY CHURCH
ADDITION AND RENOVATION
UTILITY PLAN**

Project Title:
Project Location: 3935 COUNTY ROAD B
LA CROSSE, WI 54636

Project Number: 25032

Project Date:
Drawn By: C.G.

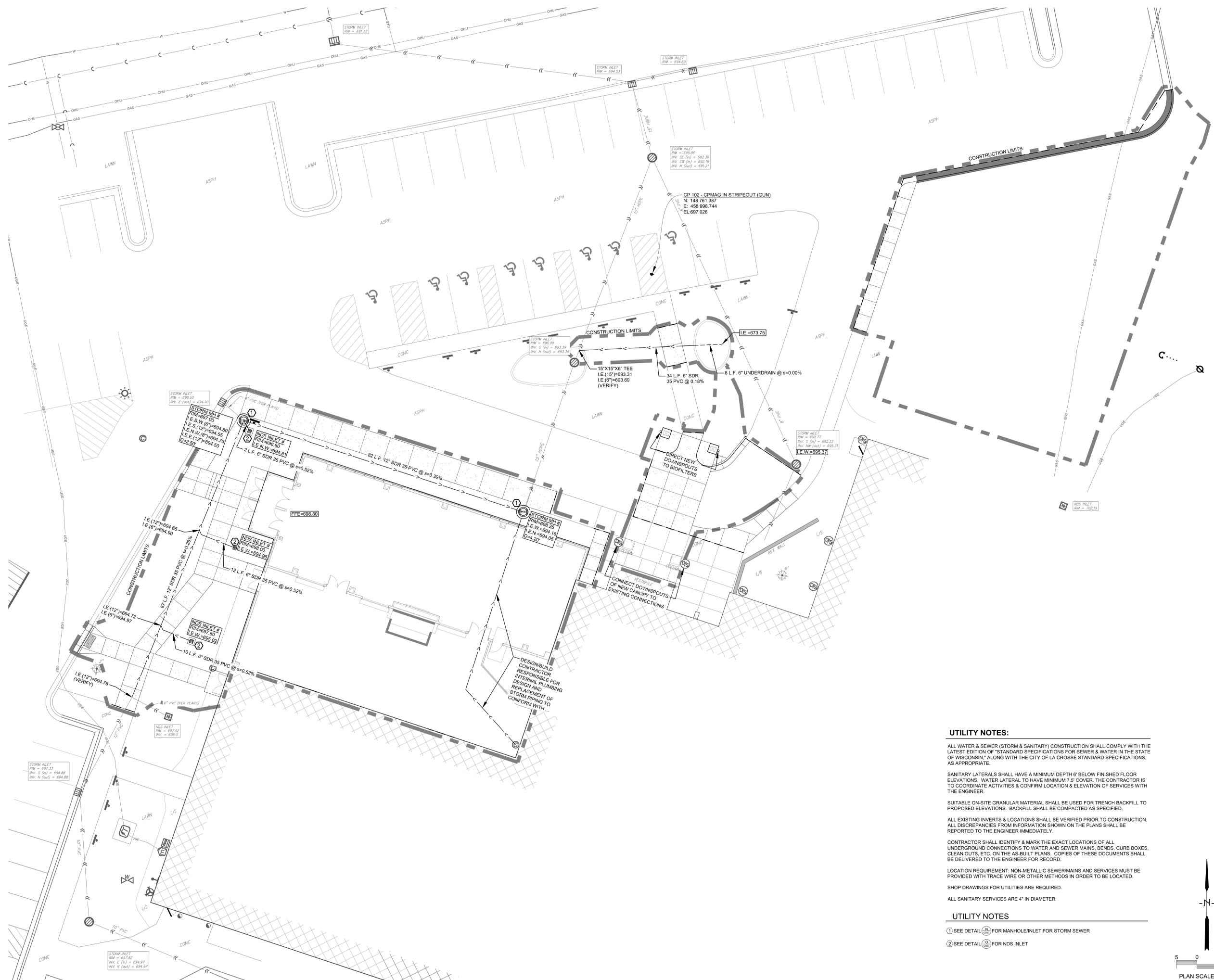
Key Plan:

**REVIEW
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CONSTRUCTION**

No.	Description	Date

Graphic Scale: 1" = 10'
Last Update: 03/05/2026

C400



UTILITY NOTES:

ALL WATER & SEWER (STORM & SANITARY) CONSTRUCTION SHALL COMPLY WITH THE LATEST EDITION OF "STANDARD SPECIFICATIONS FOR SEWER & WATER IN THE STATE OF WISCONSIN," ALONG WITH THE CITY OF LA CROSSE STANDARD SPECIFICATIONS, AS APPROPRIATE.

SANITARY LATERALS SHALL HAVE A MINIMUM DEPTH 6' BELOW FINISHED FLOOR ELEVATIONS. WATER LATERAL TO HAVE MINIMUM 7' COVER. THE CONTRACTOR IS TO COORDINATE ACTIVITIES & CONFIRM LOCATION & ELEVATION OF SERVICES WITH THE ENGINEER.

SUITABLE ON-SITE GRANULAR MATERIAL SHALL BE USED FOR TRENCH BACKFILL TO PROPOSED ELEVATIONS. BACKFILL SHALL BE COMPACTED AS SPECIFIED.

ALL EXISTING INVERTS & LOCATIONS SHALL BE VERIFIED PRIOR TO CONSTRUCTION. ALL DISCREPANCIES FROM INFORMATION SHOWN ON THE PLANS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.

CONTRACTOR SHALL IDENTIFY & MARK THE EXACT LOCATIONS OF ALL UNDERGROUND CONNECTIONS TO WATER AND SEWER MAINS, BENDS, CURB BOXES, CLEAN OUTS, ETC. ON THE AS-BUILT PLANS. COPIES OF THESE DOCUMENTS SHALL BE DELIVERED TO THE ENGINEER FOR RECORD.

LOCATION REQUIREMENT: NON-METALLIC SEWER MAINS AND SERVICES MUST BE PROVIDED WITH TRACE WIRE OR OTHER METHODS IN ORDER TO BE LOCATED.

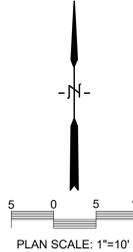
SHOP DRAWINGS FOR UTILITIES ARE REQUIRED.

ALL SANITARY SERVICES ARE 4" IN DIAMETER.

UTILITY NOTES

① SEE DETAIL (N) FOR MANHOLE/INLET FOR STORM SEWER

② SEE DETAIL (S) FOR NDS INLET





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Consultant:

PARAGON ASSOCIATES
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433 CORNELIUS AVENUE, LA CROSSE, WI 54601
TEL: 608.781.3110 FAX: 608.781.3197 Paragon-Associates

**BETHANY CHURCH
ADDITION AND RENOVATION
DETAILS**

Project Title: BETHANY CHURCH
ADDITION AND RENOVATION
Project Location: 3936 COUNTY ROAD B
LA CROSSE, WI 54636

Project Number: 25032

Project Date:
Drawn By: C.G.

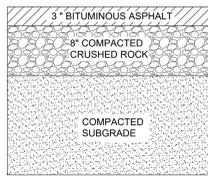
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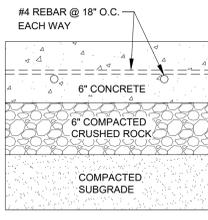
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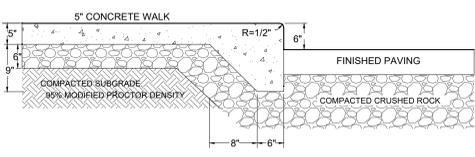


PLACE PAVEMENT USING ONE 1 1/2\"/>

A ASPHALT PAVEMENT SECTION DETAIL
C100 NO SCALE

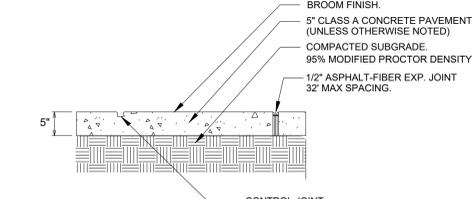


B CONCRETE PAVEMENT SECTION DETAIL
C100 NO SCALE

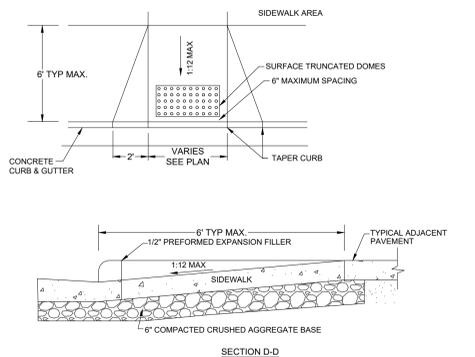


NOTE: ROCK UNDER CURB TO BE SAME DEPTH TO SUBGRADE AS ADJACENT PAVEMENT. HOWEVER, NOT LESS THAN 6\"/>

C INTEGRAL CURB/SIDEWALK SECTION
C100 NO SCALE

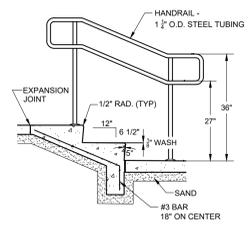


D CONCRETE PAVING AND JOINTING
C100 NO SCALE

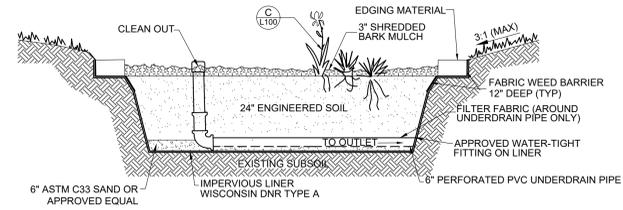


NOTES:
• 2x4\"/>

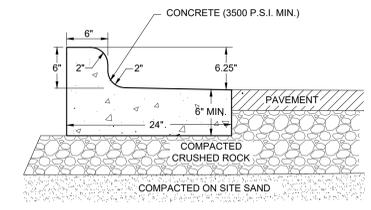
E SIDEWALK RAMP DETAIL
C100 NO SCALE



F REINFORCED CONCRETE STEP
C100 NO SCALE

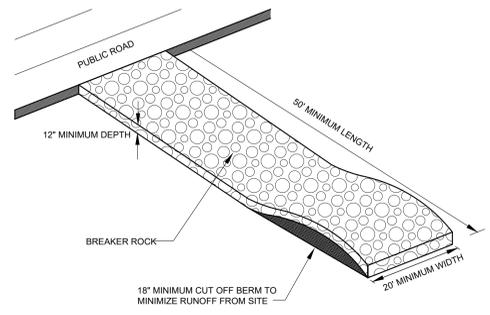


G BIOFILTER DETAIL
C100 NO SCALE



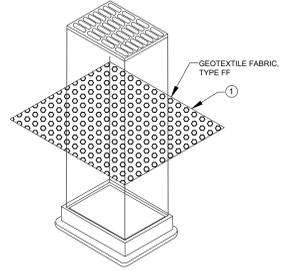
NOTE: 1 CONTROL JOINTS SHALL CONFORM WITH WISDOT 601.3.6
2 THE BOTTOM OF THE CURB AND GUTTER MAY BE CONSTRUCTED FLAT OR PARALLEL TO THE SLOPE OF THE BASE COURSE PROVIDED A MINIMUM 6\"/>

H 24\"/>



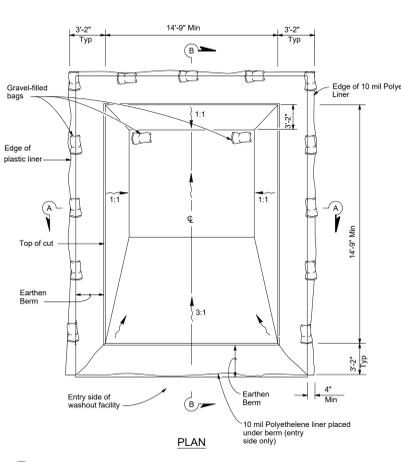
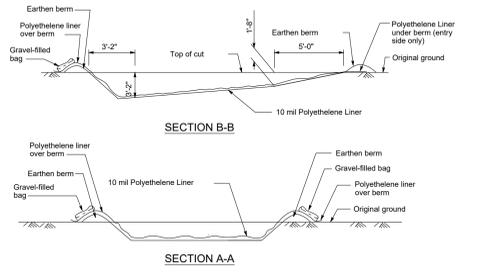
NOTES:
1. PLACE FILTER FABRIC (PROPEX 2002 OR EQUAL) UNDER BREAKER ROCK TO PREVENT MUD MIGRATION THROUGH ROCK.
2. ENTRANCE MUST BE MAINTAINED REGULARLY TO PREVENT SEDIMENTATION ON PUBLIC ROADWAYS. FUGITIVE ROCK WILL BE REMOVED FROM ADJACENT ROADWAYS DAILY OR MORE FREQUENTLY AS NECESSARY.

I VEHICLE TRACKING CONTROL
C300 NO SCALE

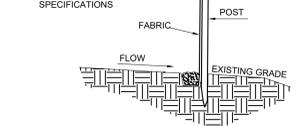


GENERAL NOTES
INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.
MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE WIS. D.O.T.'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.
WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.
FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED SHALL EXTEND A MINIMUM OF 10\"/>

J INLET PROTECTION, TYPE B (WITHOUT CURB BOX)
C300 NO SCALE



K TEMPORARY CONCRETE WASHOUT FACILITY
C300 NO SCALE

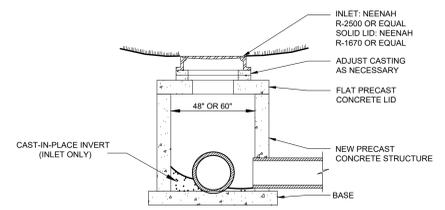


L TYPICAL SILT FENCE INSTALLATION
C300 NO SCALE

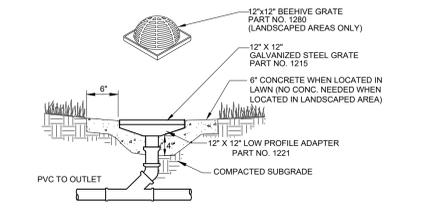
GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.
MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE WIS. D.O.T.'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.
WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.
FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED SHALL EXTEND A MINIMUM OF 10\"/>

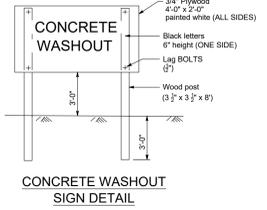
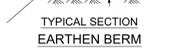
M INLET PROTECTION, TYPE C (WITH CURB BOX)
C300 NO SCALE



N MANHOLE/INLET FOR STORM SEWER
C400 NO SCALE



O 12\"/>



CONCRETE WASHOUT SIGN DETAIL

Comments

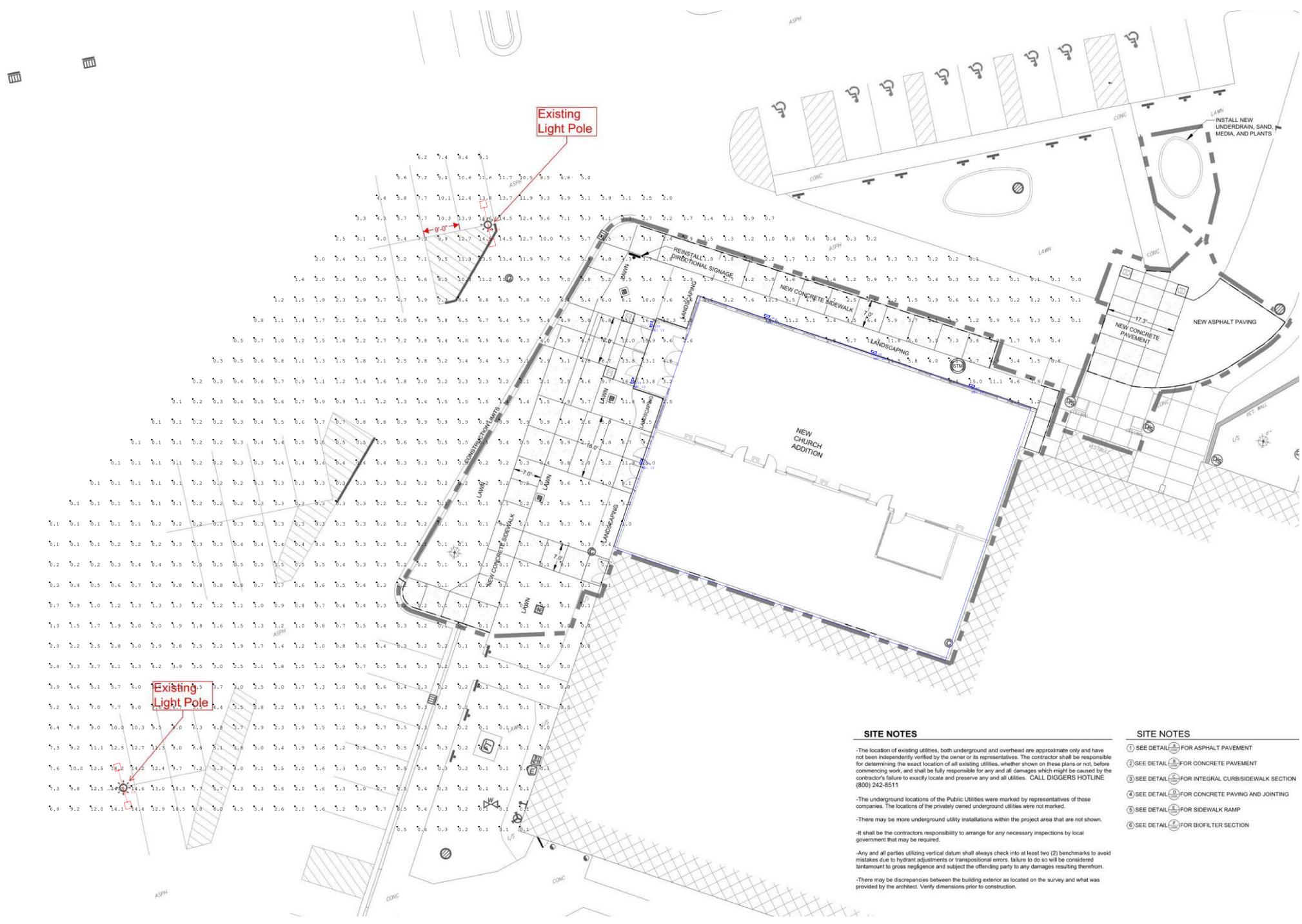
Date

#

Revisions

Drawn By: Ben Klonecki
Checked By:
Date: 2/9/2026

BETHANY CHURCH CTY B



SITE NOTES

-The location of existing utilities, both underground and overhead are approximate only and have not been independently verified by the owner or its representatives. The contractor shall be responsible for determining the exact location of all existing utilities, whether shown on these plans or not, before commencing work, and shall be fully responsible for any and all damages which might be caused by the contractor's failure to exactly locate and preserve any and all utilities. CALL DIGGERS HOTLINE (800) 242-8511

-The underground locations of the Public Utilities were marked by representatives of those companies. The locations of the privately owned underground utilities were not marked.

-There may be more underground utility installations within the project area that are not shown.

-It shall be the contractor's responsibility to arrange for any necessary inspections by local government that may be required.

-Any and all parties utilizing vertical datum shall always check into at least two (2) benchmarks to avoid mistakes due to hydrant adjustments or transcriptional errors. Failure to do so will be considered tantamount to gross negligence and subject the offending party to any damages resulting therefrom.

-There may be discrepancies between the building exterior as located on the survey and what was provided by the architect. Verify dimensions prior to construction.

SITE NOTES

- ① SEE DETAIL (A) FOR ASPHALT PAVEMENT
- ② SEE DETAIL (B) FOR CONCRETE PAVEMENT
- ③ SEE DETAIL (C) FOR INTEGRAL CURB/SIDEWALK SECTION
- ④ SEE DETAIL (D) FOR CONCRETE PAVING AND JOINTING
- ⑤ SEE DETAIL (E) FOR SIDEWALK RAMP
- ⑥ SEE DETAIL (F) FOR BIOFILTER SECTION

Luminaire Schedule					
Symbol	Qty	Label	Arrangement	Description	Tag
	2	a22-3t-150-150w-5000k_ntclr23	Back-Back	150W AREA HEAD	A
	6	slim17fa30adj_5k	Single	30W CUTOFF WALLPACK	W-30

Luminaire Location Summary					
Label	Qty	Point	Height	Orientation	Util
A	2	145.444 82.792 23	100.000	0	0
B	6	145.444 82.792 23	100.000	0	0
C	6	145.444 82.792 23	100.000	0	0
D	6	145.444 82.792 23	100.000	0	0
E	6	145.444 82.792 23	100.000	0	0
F	6	145.444 82.792 23	100.000	0	0

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Max/Min
CalcType	11	Foot	12.84	14.9	9.0	64.33



Color: Bronze

Weight: 15.0 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type	Constant
120V	1.25A/1.00A/0.83A
208V	0.72A/0.58A/0.48A
240V	0.63A/0.50A/0.83A
277V	0.54A/0.43A/0.36A
Input Watts	99.4-151.4W

LED Info

Watts	150/120/100W
Color Temp	3000K/4000K/5000K
Color Accuracy	80-84 CRI
L70 Lifespan	100,000 Hours
Lumens	15,009-22,117 lm
Efficacy	132.4-163.1 lm/W

Technical Specifications

Field Adjustability

Field Adjustable:

Field Adjustable Light Output:
150W/120W/100W (factory default: 150W)
Color Temperature Selectable:
3000K, 4000K and 5000K (factory default:4000K)
Optics Adjustable:
Type III, Type IV and Type V i(factory default: Type III)

Compliance

UL Listed:

Suitable for wet locations. Suitable for mounting within 4ft (1.2m) of the ground.

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

IP Rating:

Ingress protection rating of IP66 for dust and water

Trade Agreements Act Compliant:

This product is a product of Cambodia and a "designated country" end product that complies with the Trade Agreements Act

DLC Listed:

This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.
DLC Product Code: S-MZV4GY

Performance

Lifespan:

100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

Wattage Equivalency:

150W: Replaces up to 400W Metal Halide (MH) or 400W High Pressure Sodium (HPS)
120W: Replaces up to 400W Metal Halide (MH) or 310W High Pressure Sodium (HPS)
100W: Replaces up to 400W Metal Halide (MH) or 310W High Pressure Sodium (HPS)

Electrical

Driver:

Constant Current, Class 1, 120-277V, 50/60 Hz:
150W: 120V: 1.25A, 208V: 0.72A, 240V: 0.63A, 277V: 0.54A
120W: 120V: 1.0A, 208V: 0.58A, 240V: 0.5A, 277V: 0.43A
100W: 120V: 0.83A, 208V: 0.48A, 240V: 0.42A, 277V: 0.36A

Dimming Driver:

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

THD:

4.16% at 120V, 6.59% at 277V

Power Factor:

99.8% at 120V, 96.3% at 277V

7-Pin Receptacle with Shorting Cap:

ANSI C136.41 7-pin receptacle, compatible with wireless control systems

Photocell:

120V-277V 3-Pin Twistlock photocell included. Photocell is compatible with 120V - 277V.

Surge Protection:

6kV

Construction

IES Classification:

The Type III distribution is ideal for roadway, general parking and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

Technical Specifications (continued)

Cold Weather Starting:

The minimum starting temperature is -40°C (-40°F)

Maximum Ambient Temperature:

Suitable for use in up to 40°C (104°F)

Lens:

Polycarbonate lens

Housing:

Die-cast aluminum

Effective Projected Area:

1 Fixture: 0.4

2 Fixtures: 0.8

3 Fixtures: 1.4

4 Fixtures: 1.4

Mounting:

Adjustable universal pole mount (standard).

Slipfitter and wall mount accessory available.

Finish:

Formulated for high durability and long-lasting color

Gaskets:

High-temperature silicone gaskets

Green Technology:

Mercury and UV free. RoHS-compliant components.

LED Characteristics**LEDs:**

Long-life, high-efficacy, surface-mount LEDs

Color Uniformity:

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Optical**BUG Rating:**

Type 3

150W: B3 U0 G3

120W: B3 U0 G3

100W: B3 U0 G2

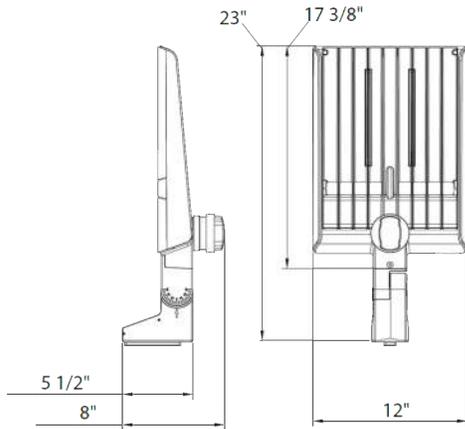
Other**5 Yr Limited Warranty:**

The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Dimensions



Features

- DLC Premium listed
- Adjustable Universal Pole Mount
- Includes three (3) Interchangeable Lenses (Types III, IV, V)
- 7-Pin Receptacle with Shorting Cap + 3-Pin Twistlock Photocell
- IP66 Rated
- 100,000-Hour LED lifespan
- 5-Year, limited warranty

Ordering Matrix

Family	Optics	Wattages	Mounting	Color Temp	Finish	Voltage	Options
A22	-	150X					
	Blank = Type III	150X = 150/120/100W	Blank = Universal Adjustable Pole Mount	Blank = 3000K/4000K/5000K CCT Adjustable	Blank = Bronze	Blank = 120-277V, 0-10V Dimming	Blank = 7-Pin Receptacle with Shorting Cap + 3-Pin Twistlock Photocell



Ultra-economy wall packs.

SLIM17 — The options you want at the price you need.



Field-adjustable control.

The SLIM17 comes with a field-adjustable CCT switch inside the fixture that allows you to choose between 3000, 4000 and 5000K color temperatures.



On at dusk, off at dawn...

Both models come standard with an integrated photocell that will automatically control when the wall packs turn on for even greater energy savings.



FIELD ADJ.



100,000 HOUR
LED LIFESPAN



INTEGRATED
PHOTOCELL



EASY INSTALL

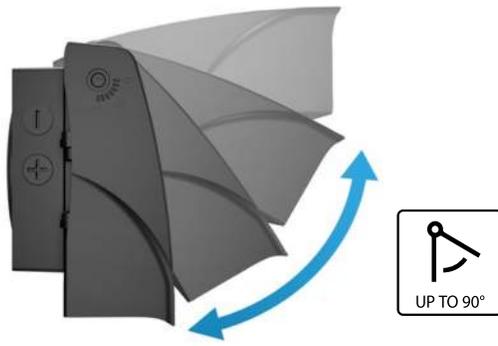


IP65
RATING



5-YEAR, LIMITED
WARRANTY

RAB's warranty is subject to all
terms and conditions found at
rablighting.com/warranty



Control where light goes.

The SLIM17 comes in 15W and 30W models and has fully adjustable cut off, from full cutoff up to 90° in 15° increments, so you can put the light where you need it.

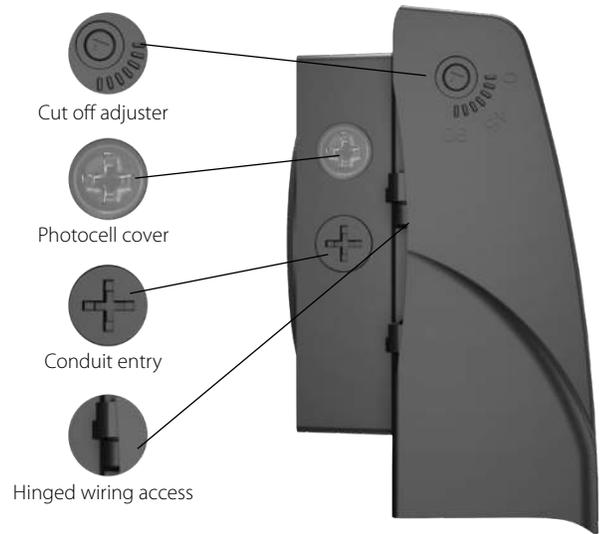


When mounted and kept at its 0° setting, the SLIM FA is a full cutoff wall pack and is Dark Sky friendly.



The proof is in the performance.

Tight budgets don't mean having to sacrifice on performance. The SLIM17 delivers 70+ CRI and a high efficacy of up to 130 lm/W, all with 0-10V dimming. Its diffuse, uniform output comes without the flickering or humming often found in ultra-economy lighting.

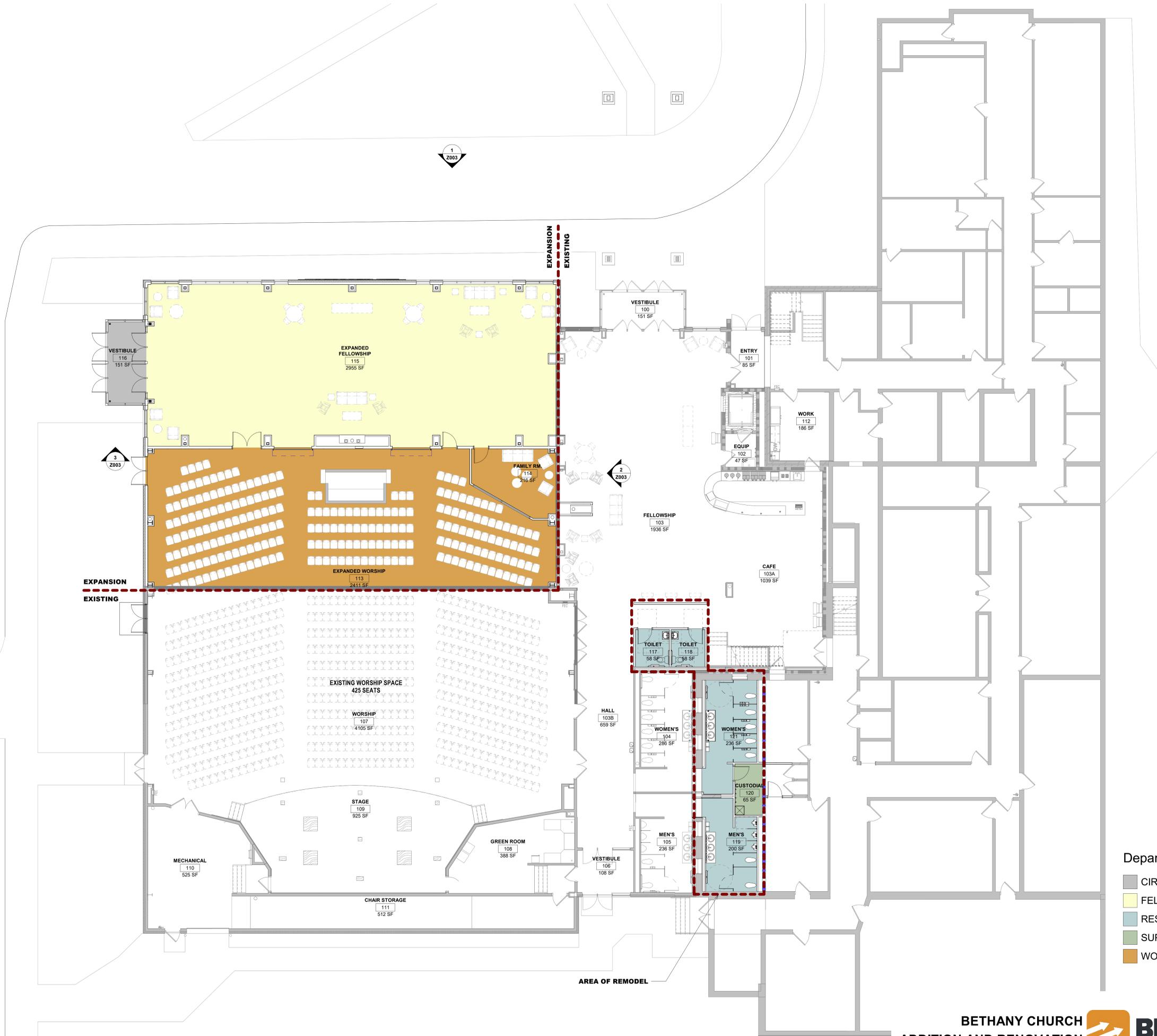


Easy installation.

Hinged wiring access and conduit entries on the back, sides, top and bottom make installation a snap.

Ordering Matrix

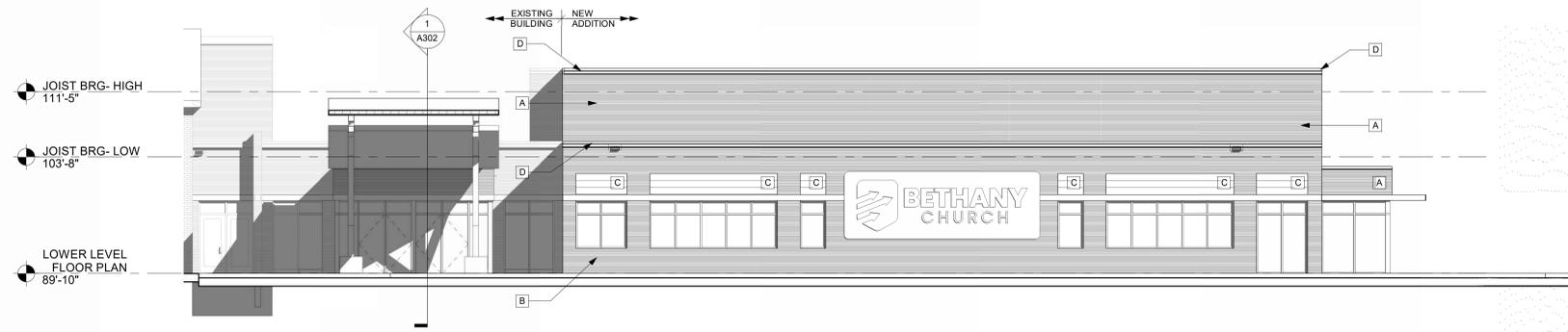
Family	Wattage	Style	Color Temp	Finish	Driver/Voltage	Options
SLIM17FA	15 30	ADJ Angle Adjustable	Blank 5000K/4000K/3000K selectable	Blank Bronze	Blank 120-277V	Blank Integrated button photocell



- Department Legend**
- CIRCULATION
 - FELLOWSHIP
 - RESTROOMS
 - SUPPORT
 - WORSHIP

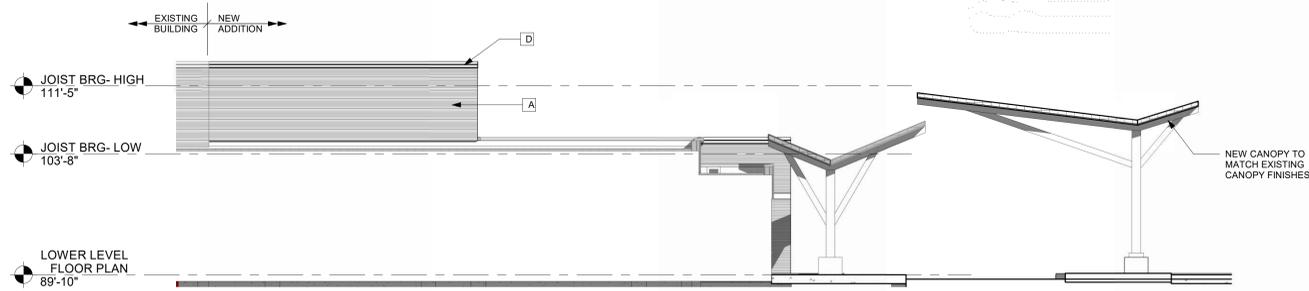
LEGEND:

- A CORRUGATED METAL- FIELD LIGHT
- B CORRUGATED METAL- FIELD DARK
- C ALUMINUM SIDING- ACCENT MEDIUM
- D FASCIA/ TRIM- WHITE



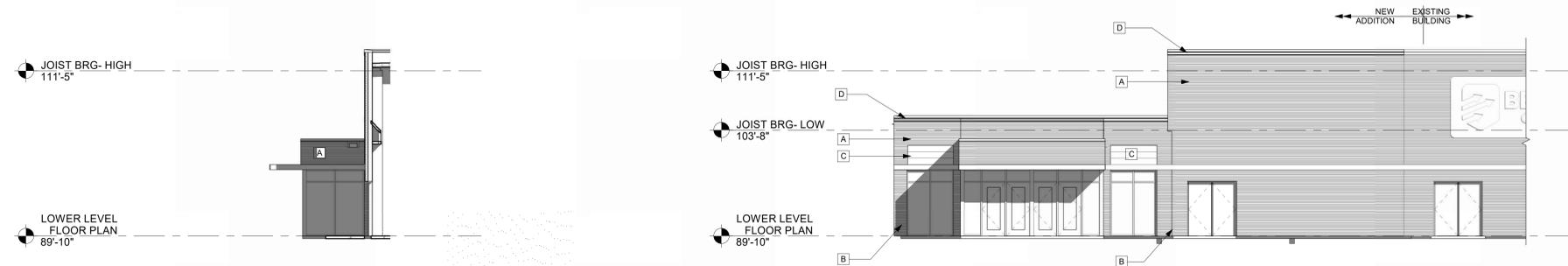
1 NORTH ELEVATION

1/8" = 1'-0"



2 EAST ELEVATION

1/8" = 1'-0"

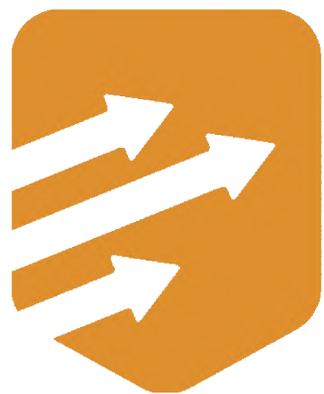


3 SOUTH ELEVATION

1/8" = 1'-0"

4 WEST ELEVATION

1/8" = 1'-0"



BETHANY CHURCH

LA CROSSE WISCONSIN

Department of Planning and Development
400 LA CROSSE ST, LA CROSSE, WI 54601 | P: (608) 789-7512

Memorandum

To: DESIGN REVIEW COMMITTEE
KAIT HEGEWALD, HRS ASSOCIATES
DOUG RAMSEY, HSR ARCHITECTS
JEFF MOORHOUSE, PARAGON ASSOCIATES

From: TIM ACKLIN, PLANNING AND DEVELOPMENT DEPARTMENT

Date: February 13, 2026

Re: DESIGN REVIEW PROJECT
BETHANY CHURCH ADDITION (3936 COUTY RD B)

Design Review Committee Members:

Steve Pataska, Police Department
Tim Acklin, Planning & Development Department
Matt Gallager, Engineering Department
Yuri Nasonovs, Engineering Department
Andy Berzinski, Building and Inspections Department
Jason Riley, Building and Inspections Department
Brian Asp, Utilities Department
Bee Xiong, Fire Department- Division of Fire Protection and Building Safety
Brian Asp, Utilities Department
Samantha Meyer, Parks, Recreation, and Forestry Department
Jamie Hassemer, Engineering Department
Stephanie Sward, Engineering Department
Cullen Haldeman, Engineering Department

On February 6, 2026, plans were submitted to the Design Review Committee for review of the project located at 3936 County Rd B. (Bethany Church) The following comments/feedback have been provided.

All revised plans in accordance with this memo must be submitted to the Planning and Development Department for review, unless otherwise stated. No permits will be issued for this project by the Division of Fire Prevention and Building Safety until they receive written confirmation/approval from the Planning and Development Department.

Requirements Prior to Issuance of a Demolition or Footing & Foundation Permit

- 1) Approval of a Certified Survey Map. (If applicable)
- 2) Combination of parcels for project site. (If applicable)
- 3) Approval of Final Plans from the Engineering Department.
- 4) Approval of Final Plans from the Utility/Water Department.
- 5) Approval of Final Plans from the Building and Inspections Department

Requirements Prior to Issuance of a Building Permit

- 1) Approval of Final Plans from the Planning and Development Department.

Requirements Prior to Issuance of an Occupancy Permit

- 1) A Letter of Credit in the estimated cost amount of the proposed landscaping has been submitted to the Planning and Development Department to guarantee the proper installation and growth of all landscape improvements proposed in the approved Landscape Plan **OR** all proposed landscaping in the approved Landscape Plan has been installed.
- 2) A stamped letter of substantial completion from the design engineer of the project within 10 days of completion.
- 3) Field review and approval of the completed stormwater management facility by the City's Utilities Department.
- 4) Compliance statement required to be submitted from the supervising professional (architect or engineer) observing the construction project.
- 5) Final inspection to be performed by Building & Inspections staff.
- 6) Field review and approval of the completed stormwater management facility by the City's Utilities Department.

Engineering Department- (Contact-Matt Gallager-789-7392, Stephanie Sward-789-8171, Jamie Hassemer- 789-8182, Cullen Haldeman- 789-8185)

- 1) Need grades of sidewalk for ADA compliance on designated ADA accessible route.
- 2) No comments regarding parking lot since you are not making changes in those areas. (Stephanie)
- 3) Try to remove steps from main pedestrian routes. (Stephanie)
- 4) The ADA parking is no longer located in an area with the shortest path. Will you be changing the location of your ADA parking to be closer to the main entrance? (Stephanie)
- 5) The drive/drop off road is less than 20'. Can this be increased with this project? (Stephanie)
- 6) Any additional exterior lighting needs to be reviewed via a photometric plan. (Jamie)

Building and Inspections Department

(Contact-Andy Berzinski- 789-7562, Jason Riley- 789-7585)

- 1) Contact United States Postal Service for location and type of mailbox(es) required if applicable
- 2) Will need State Approved Building, HVAC, and Plumbing Plans. (Berzinski)
- 3) Will need Separate electrical, plumbing, HVAC, building and, signage permits. (Berzinski)
- 4) State plan approval for plumbing plans. (Riley)
- 5) Will need sanitary sewer connection fee paid before any plumbing permits will be issued. Will work with Utilities on this item. (Riley)

Police Department- (Steve Pataska-789-7210)

- 1) No concerns at this time. Recommendation to install cameras and entrance and exit points. The Police Department can assist with this effort.

Planning Department-(Contact-Tim Acklin-789-7391)

- 1) No concerns at this time.

Utilities Department- (Brian Asp-789-3897)

- 1) There may need to be a Sanitary Sewer Connection Fee based on the increased bathroom fixtures and building capacity, but we are still investigating expected flow changes.

Engineering Department (Stormwater) - (Contact-Yuri Nasonovs-789-7594)

1. Will need to submit application and review fee. Need to submit review that system from 2017 is working and can handle this project.
 - a. Paragon- Intend to rebuild current system

Fire Department- (Contact- Bee Xiong 789-7260)

1. Fire alarm and sprinkler plans to be electronically submitted to the Fire Department and have state approval of plans.

Parks, Recreation, and Forestry- (Contact-Sami Meyer 789-7560, Dan Trussoni 789-4915)

- 1) If planning for landscaping please provide a Landscaping Plan.

CITY OF LA CROSSE COMMERCIAL DESIGN REVIEW -
PRELIMINARY REVIEW

BETHANY CHURCH

3936 COUNTY ROAD B
LA CROSSE





February 5, 2026

City of La Crosse Engineering Department
Attn: Yuri Nasonovs
Erosion Control & Stormwater Management

Regarding: Bethany Church Addition (2026)
3936 County Road B, La Crosse, WI 54601 | Parcel No. **17-10315-683** | City of La Crosse

Dear Yuri:

We are providing this narrative which is to coincide with the Preliminary Submittal of the Bethany Church Addition from HSR Associates, Inc. to summarize Paragon's approach to comply with Erosion Control & Stormwater Management Ordinances in the City of La Crosse. This narrative is **not** meant to serve as a stand in for the Stormwater Management Permit Application, as this application will still be required and will coincide with the Final Submittal, rather it is to initiate further conversations.

Bethany Evangelical Free Church of La Crosse is proposing several improvements to their existing site. These improvements involve an expansion of the current structure, new access to the building expansion, extension of an existing awning to increase shaded area, a concrete pad to serve as a drop off under the expanded awning, replacement/maintenance of an existing bioretention basin and underdrain, and updates to the existing private storm sewer system. The improvements are planned to occur in a singular phase. These expansions occur in areas that are already developed and were once planned for a future expansion that was never carried out. Preliminary calculations represent an overall decrease of **906 ft²** in total impervious area and an overall decrease of **6,699 ft²** in parking/road areas. Therefore, we are expecting an overall decrease in Total Suspended Solids and Peak Flow Rates.

Erosion and Sediment Control Permit

Land disturbing construction activity to occur at Bethany Church is expected to be **18,181 ft²**. Therefore, the site does fall into applicability for the Erosion and Sediment Control Permit.

Stormwater Management Permit

Land disturbing construction activity to occur at Bethany Church is expected to be **0.417 acres**. Therefore, the site does fall into applicability for the Stormwater Management Permit.

Total Suspended Solids (TSS):

The proposed work to occur on site requires Bethany Church to meet TSS Reduction Standards for Redevelopment. A previous WinSLAMM analysis by Paragon Associates, Inc. in 2017 for a previous expansion of Bethany Church found the site to be in excess of this requirement. This previous analysis utilized the two bioretention ponds that are now existing. This analysis found TSS reduction to be 54.16% with controls. The Bethany Church Addition (2026) does not add any additional parking areas or roads. Additionally, Bethany Church is proposing the removal of **6,699 ft²** of existing parking areas in order to meet Peak Discharge requirements.

Peak Discharge:

The proposed work to occur on site requires Bethany Church to maintain or reduce the two-year, 24-hour, and the ten-year, 24-hour post-construction peak runoff discharge rates to pre-development peak runoff discharge rates. All existing runoff from the site, either overland or through the existing storm sewer system, eventually outlets to the existing storm sewer system on County Road B. Bethany Church in order to meet this requirement is proposing the removal of **6,699 ft²** of existing parking areas. This removal results in an overall decrease of **906 ft²** in total impervious area.

Safe Outlet:

Bethany Church is proposing to update portions of their existing storm sewer system to accommodate their building expansion. This storm sewer system will continue to direct runoff from the site to the existing storm sewer system on County Road B. It is also being proposed to replace/maintain an existing bioretention basin and underdrain in order to keep drainage conditions to those previously defined. Drainage patterns are staying similar to those in existing conditions.

CIVIL ENGINEERING | LANDSCAPE ARCHITECTURE | SURVEYING

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Infiltration:

According to the previous Stormwater Management Permit Application from 2017, Paragon Associates, Inc. stated this about infiltration. "In addition to being redevelopment, the site soils have infiltration rates less than 0.5 inch/hour and is therefore not subject to the infiltration requirements of NR 151.124 or NR 151.121." Utilizing the USDA's Web Soil Survey, I am able to concur that the site is mainly comprised of silt loam soils which have an infiltration rate less than 0.5 inches/hour.

The following items are to be included with this narrative:

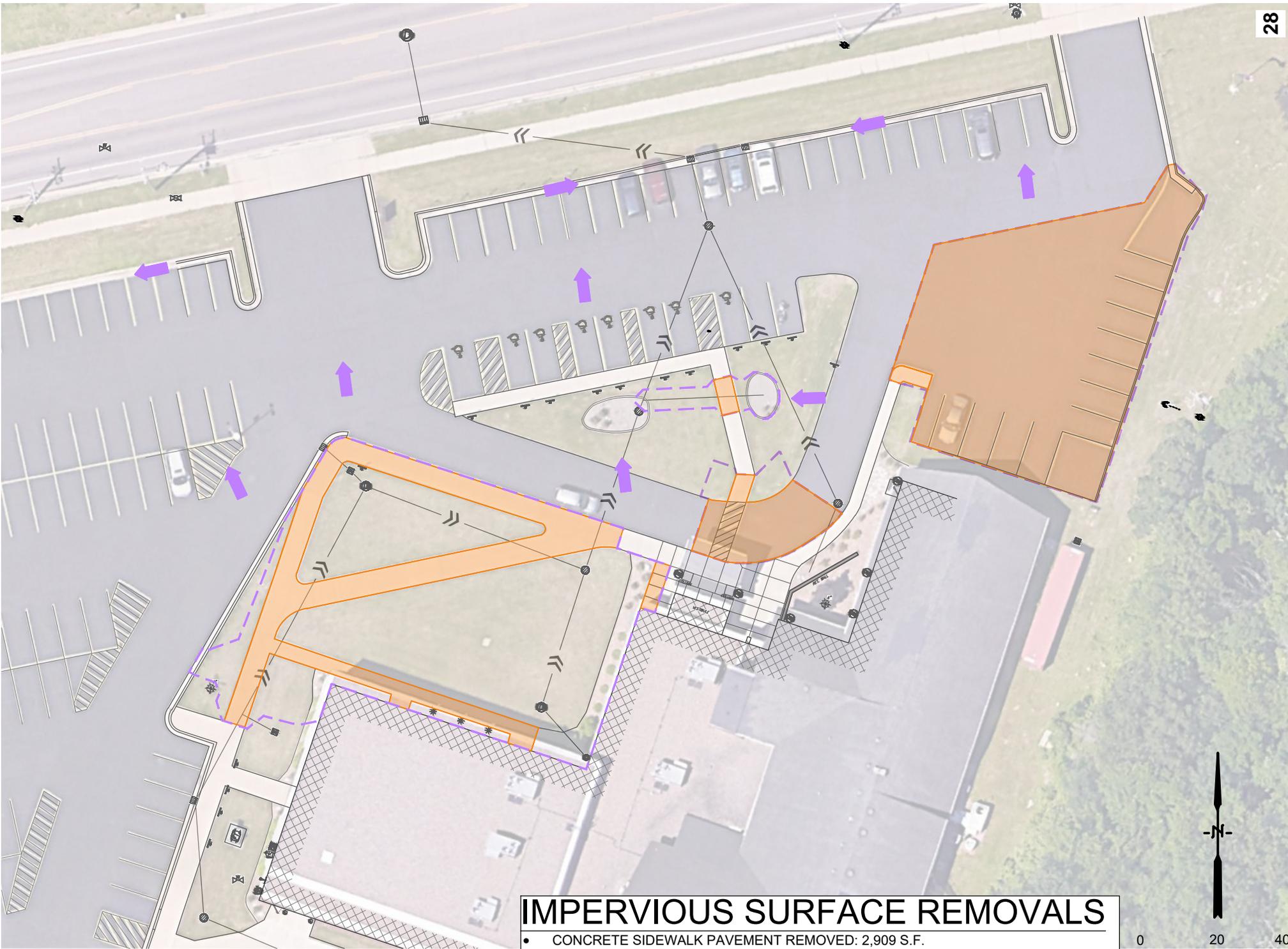
- *"25-121 Bethany Church Addition 04-AREAS REMOVED.pdf"* - IMPERVIOUS SURFACE REMOVALS (Preliminary)
- *"25-121 Bethany Church Addition 04-AREAS PROPOSED.pdf"* - IMPERVIOUS SURFACE ADDITIONS (Preliminary)
- *"20260205_15022903197_23_Soil_Report.pdf"* - USDA's Web Soil Survey

Please feel free to contact our office should you need any additional information or clarification regarding this matter.

Sincerely,

A handwritten signature in black ink that reads "Zachary M. Stephan".

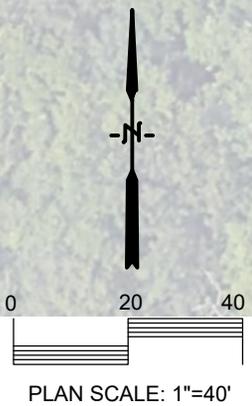
Zachary M Stephan
WI PE (No. 102341-6)

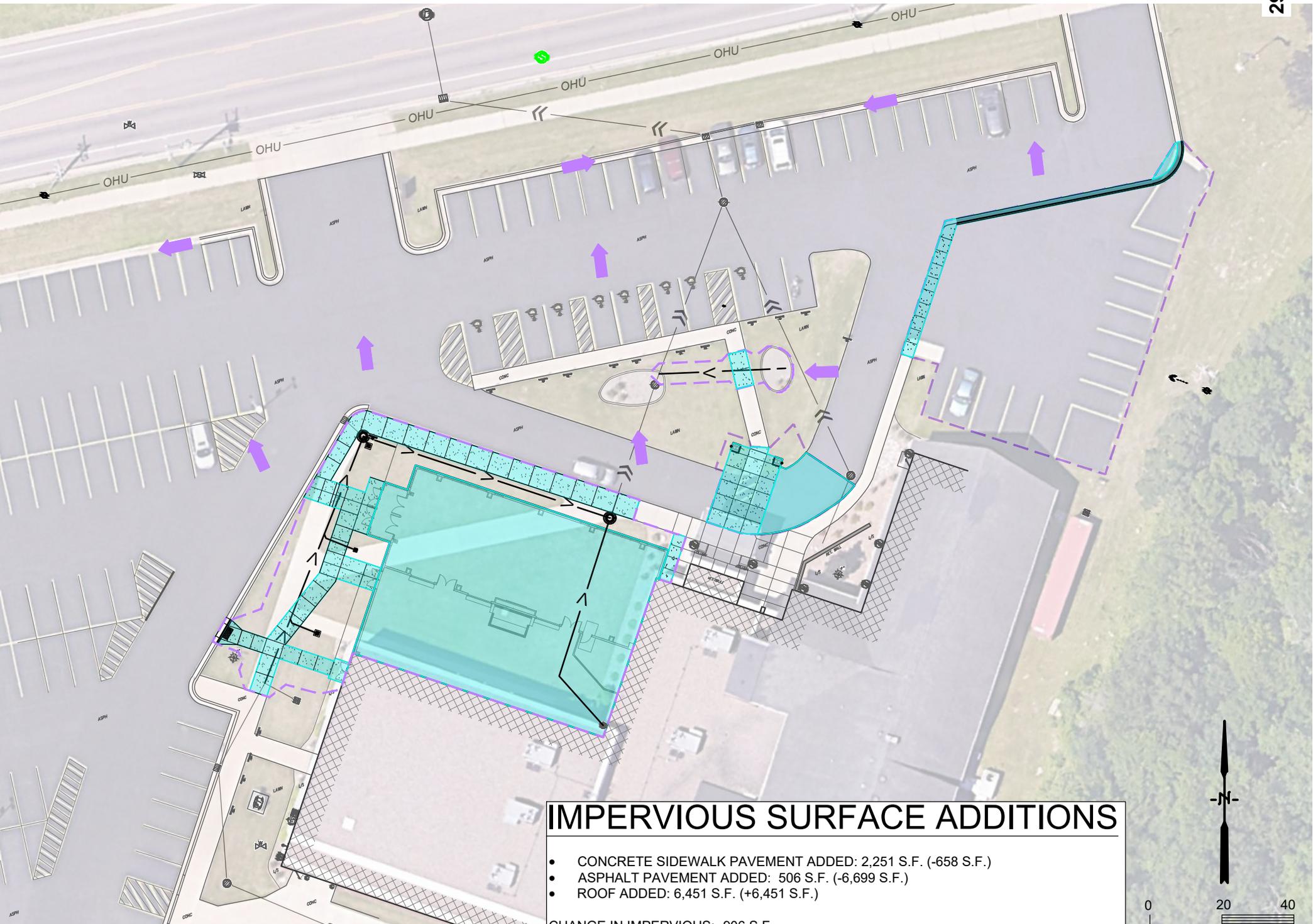


IMPERVIOUS SURFACE REMOVALS

- CONCRETE SIDEWALK PAVEMENT REMOVED: 2,909 S.F.
- ASPHALT PAVEMENT REMOVED: 7,205 S.F.

TOTAL AREA OF DISTURBANCE: 18,181 S.F.



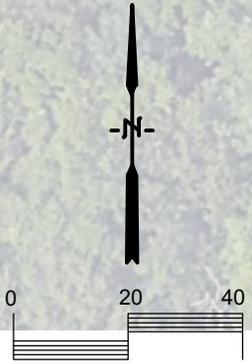


IMPERVIOUS SURFACE ADDITIONS

- CONCRETE SIDEWALK PAVEMENT ADDED: 2,251 S.F. (-658 S.F.)
- ASPHALT PAVEMENT ADDED: 506 S.F. (-6,699 S.F.)
- ROOF ADDED: 6,451 S.F. (+6,451 S.F.)

CHANGE IN IMPERVIOUS: -906 S.F.

TOTAL AREA OF DISTURBANCE: 18,181 S.F.



PLAN SCALE: 1"=40'



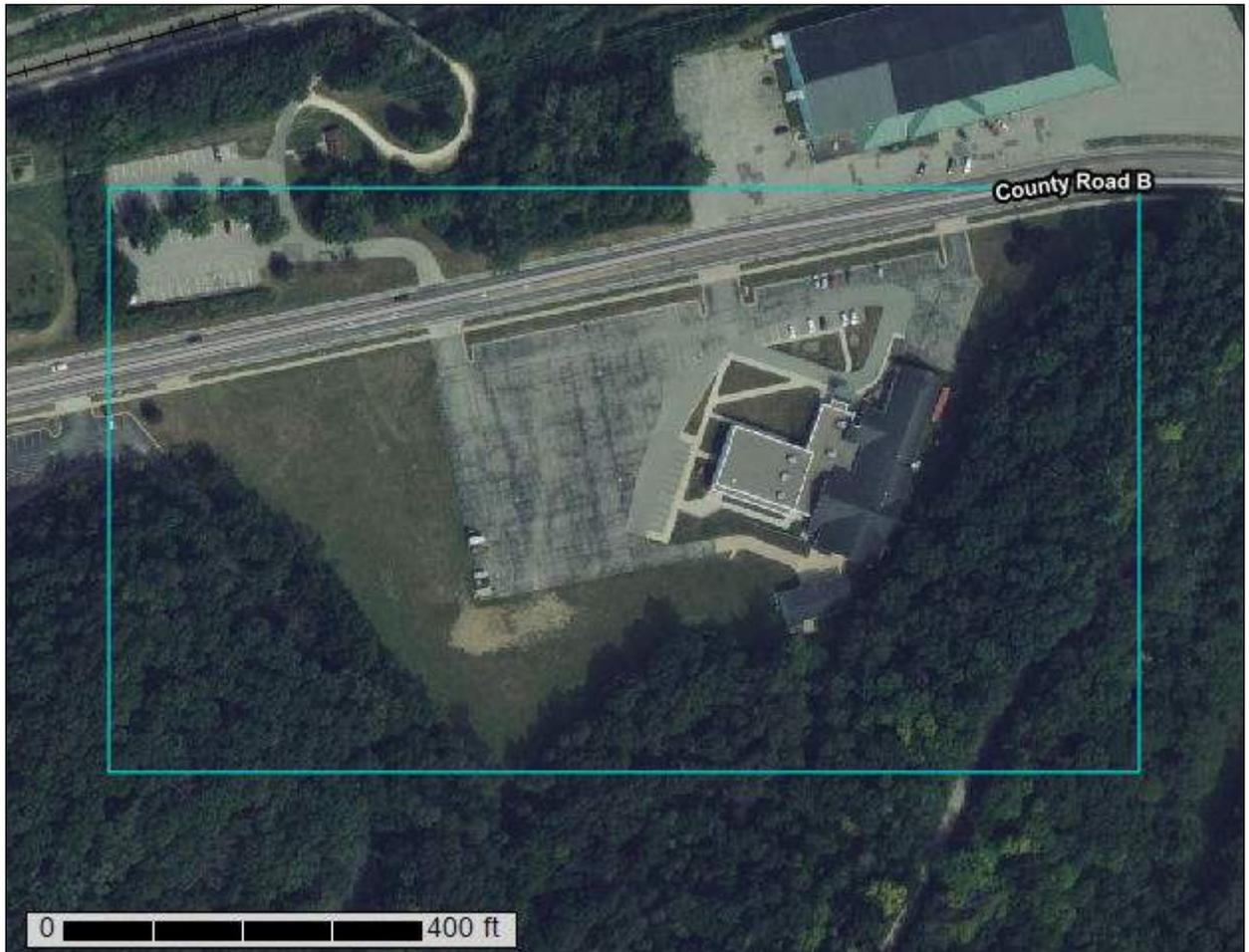
United States
Department of
Agriculture

NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for **La Crosse County, Wisconsin**



Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

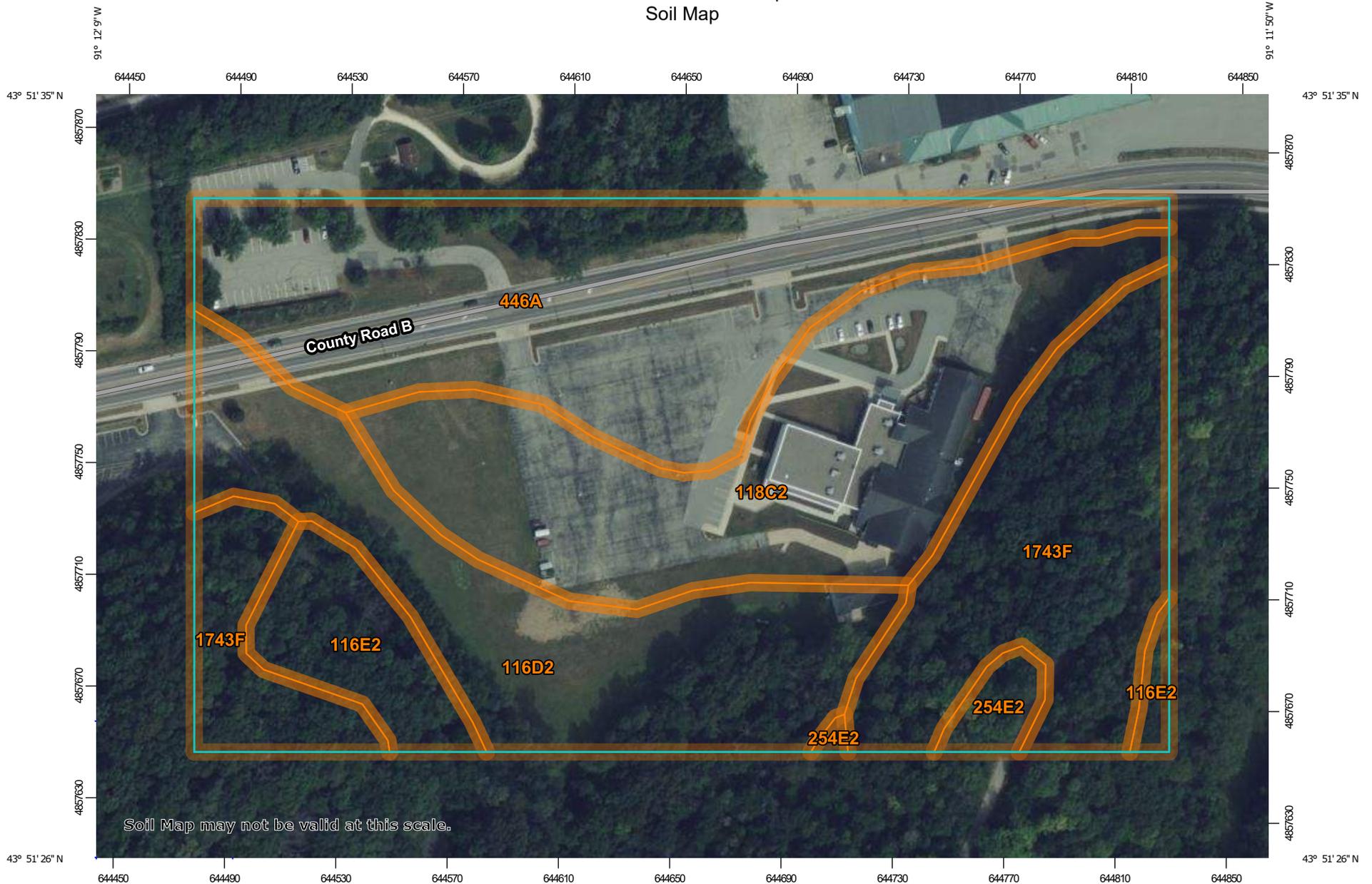
Custom Soil Resource Report

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

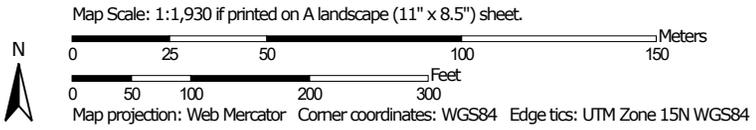
Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report Soil Map



Soil Map may not be valid at this scale.



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features

-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features

Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: La Crosse County, Wisconsin
 Survey Area Data: Version 24, Sep 10, 2025

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jul 31, 2020—Sep 2, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
116D2	Churchtown silt loam, 12 to 20 percent slopes, moderately eroded	3.3	18.9%
116E2	Churchtown silt loam, 20 to 30 percent slopes, moderately eroded	1.0	5.9%
118C2	Seaton silt loam, driftless valley, 6 to 12 percent slopes, moderately eroded	4.3	24.9%
254E2	Norden silt loam, 20 to 30 percent slopes, moderately eroded	0.3	1.5%
446A	Merimod silt loam, 0 to 3 percent slopes	4.8	27.8%
1743F	Council-Elevasil-Norden complex, 20 to 45 percent slopes, rocky	3.6	21.1%
Totals for Area of Interest		17.2	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a

given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

La Crosse County, Wisconsin

116D2—Churchtown silt loam, 12 to 20 percent slopes, moderately eroded

Map Unit Setting

National map unit symbol: 2v3fq
Landscape: River valleys
Elevation: 800 to 1,400 feet
Mean annual precipitation: 31 to 39 inches
Mean annual air temperature: 41 to 50 degrees F
Frost-free period: 120 to 190 days
Farmland classification: Not prime farmland

Map Unit Composition

Churchtown and similar soils: 92 percent
Minor components: 8 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Churchtown

Setting

Landscape: River valleys
Landform: Valley sides
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Linear
Parent material: Loamy slope alluvium over loess

Typical profile

Ap - 0 to 9 inches: silt loam
Bt - 9 to 30 inches: silt loam
2Bt - 30 to 60 inches: silt loam
2BC - 60 to 79 inches: silt loam

Properties and qualities

Slope: 12 to 20 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Very high (about 12.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: B
Ecological site: F105XY013WI - Loamy-Silty Upland

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Forage suitability group: High AWC, adequately drained (G105XY008WI),
Sloping; Fine Texture (G105XS023MN)
Other vegetative classification: High AWC, adequately drained (G105XY008WI),
Sloping; Fine Texture (G105XS023MN)
Hydric soil rating: No

Minor Components

La farge

Percent of map unit: 4 percent
Landscape: River valleys
Landform: Valley sides
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Convex
Across-slope shape: Convex
Ecological site: F105XY012WI - Shallow Loamy-Silty Upland
Other vegetative classification: Rocky (G105XS019MN), Mod AWC, adequately
drained with limitations (G105XY006WI)
Hydric soil rating: No

Brownchurch

Percent of map unit: 2 percent
Landscape: River valleys
Landform: Valley sides
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Linear
Ecological site: F105XY013WI - Loamy-Silty Upland
Other vegetative classification: Mod AWC, adequately drained with limitations
(G105XY006WI), Sloping; Fine Texture (G105XS023MN)
Hydric soil rating: No

Beavercreek

Percent of map unit: 2 percent
Landscape: River valleys
Landform: Valley sides
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Concave
Ecological site: F105XY003WI - Wet Loamy-Clayey Floodplain
Other vegetative classification: Mod AWC, adequately drained (G105XY005WI),
Sloping Upland, Neutral (G105XS002MN)
Hydric soil rating: No

116E2—Churchtown silt loam, 20 to 30 percent slopes, moderately eroded

Map Unit Setting

National map unit symbol: 2v3fp
Landscape: River valleys
Elevation: 800 to 1,400 feet
Mean annual precipitation: 31 to 39 inches
Mean annual air temperature: 41 to 50 degrees F
Frost-free period: 120 to 190 days
Farmland classification: Not prime farmland

Map Unit Composition

Churchtown and similar soils: 94 percent
Minor components: 6 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Churchtown

Setting

Landscape: River valleys
Landform: Valley sides
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Linear
Parent material: Loamy slope alluvium over loess

Typical profile

A - 0 to 9 inches: silt loam
Bt - 9 to 30 inches: silt loam
2Bt - 30 to 60 inches: silt loam
2BC - 60 to 79 inches: silt loam

Properties and qualities

Slope: 20 to 30 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Very high (about 12.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e

Custom Soil Resource Report

Hydrologic Soil Group: B

Ecological site: F105XY013WI - Loamy-Silty Upland

Forage suitability group: High AWC, adequately drained (G105XY008WI), Not Suited (G105XS024MN)

Other vegetative classification: High AWC, adequately drained (G105XY008WI), Not Suited (G105XS024MN)

Hydric soil rating: No

Minor Components

Norden

Percent of map unit: 2 percent

Landscape: River valleys

Landform: Knolls

Landform position (two-dimensional): Summit, shoulder, backslope

Landform position (three-dimensional): Interfluve, nose slope, side slope

Down-slope shape: Convex, linear

Across-slope shape: Convex

Ecological site: F105XY012WI - Shallow Loamy-Silty Upland

Other vegetative classification: Not Suited (G105XS024MN), Mod AWC, adequately drained with limitations (G105XY006WI)

Hydric soil rating: No

Brownchurch

Percent of map unit: 2 percent

Landscape: River valleys

Landform: Valley sides

Landform position (two-dimensional): Footslope

Landform position (three-dimensional): Base slope

Down-slope shape: Concave

Across-slope shape: Linear

Ecological site: F105XY013WI - Loamy-Silty Upland

Other vegetative classification: Mod AWC, adequately drained with limitations (G105XY006WI), Not Suited (G105XS024MN)

Hydric soil rating: No

Elbaville

Percent of map unit: 2 percent

Landscape: River valleys

Landform: Valley sides

Landform position (two-dimensional): Footslope

Landform position (three-dimensional): Base slope

Down-slope shape: Linear

Across-slope shape: Linear

Ecological site: F105XY013WI - Loamy-Silty Upland

Other vegetative classification: Mod AWC, adequately drained with limitations (G105XY006WI), Not Suited (G105XS024MN)

Hydric soil rating: No

118C2—Seaton silt loam, driftless valley, 6 to 12 percent slopes, moderately eroded

Map Unit Setting

National map unit symbol: 2v3fl

Landscape: River valleys

Elevation: 800 to 1,400 feet

Mean annual precipitation: 31 to 39 inches

Mean annual air temperature: 41 to 50 degrees F

Frost-free period: 120 to 190 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Seaton, driftless valley, and similar soils: 95 percent

Minor components: 5 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Seaton, Driftless Valley

Setting

Landscape: River valleys

Landform: Loess mantled knolls

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Interfluve

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Loess

Typical profile

Ap - 0 to 9 inches: silt loam

BE - 9 to 15 inches: silt loam

Bt1 - 15 to 21 inches: silt loam

Bt2 - 21 to 27 inches: silt loam

Bt3 - 27 to 34 inches: silt loam

Bt4 - 34 to 44 inches: silt loam

BC - 44 to 70 inches: silt loam

C - 70 to 79 inches: silt loam

Properties and qualities

Slope: 6 to 12 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water supply, 0 to 60 inches: Very high (about 12.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: B
Ecological site: F105XY013WI - Loamy-Silty Upland
Forage suitability group: Sloping Upland, Acid (G105XS006MN), High AWC, adequately drained (G105XY008WI)
Other vegetative classification: Sloping Upland, Acid (G105XS006MN), High AWC, adequately drained (G105XY008WI)
Hydric soil rating: No

Minor Components

Greenridge

Percent of map unit: 2 percent
Landscape: River valleys
Landform: Tunnel city knolls
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Linear
Ecological site: F105XY013WI - Loamy-Silty Upland
Other vegetative classification: High AWC, adequately drained (G105XY008WI), Sloping Upland, Acid (G105XS006MN)
Hydric soil rating: No

Council

Percent of map unit: 2 percent
Landscape: River valleys
Landform: Knolls
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Head slope
Down-slope shape: Concave
Across-slope shape: Concave
Ecological site: F105XY013WI - Loamy-Silty Upland
Other vegetative classification: High AWC, adequately drained (G105XY008WI), Sloping Upland, Acid (G105XS006MN)
Hydric soil rating: No

Lambeau

Percent of map unit: 1 percent
Landscape: River valleys
Landform: Wonewoc knolls
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Convex
Ecological site: F105XY013WI - Loamy-Silty Upland
Other vegetative classification: High AWC, adequately drained (G105XY008WI), Sloping Upland, Acid (G105XS006MN)
Hydric soil rating: No

254E2—Norden silt loam, 20 to 30 percent slopes, moderately eroded

Map Unit Setting

National map unit symbol: 2wtr5
Landscape: River valleys
Elevation: 560 to 1,740 feet
Mean annual precipitation: 31 to 39 inches
Mean annual air temperature: 41 to 50 degrees F
Frost-free period: 120 to 190 days
Farmland classification: Not prime farmland

Map Unit Composition

Norden and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Norden

Setting

Landscape: River valleys
Landform: Knolls
Landform position (two-dimensional): Summit, shoulder, backslope
Landform position (three-dimensional): Interfluve, nose slope, side slope
Down-slope shape: Convex, linear
Across-slope shape: Convex
Parent material: Loess over loamy residuum weathered from glauconitic sandstone

Typical profile

Ap - 0 to 8 inches: silt loam
Bt - 8 to 20 inches: silt loam
2Bt - 20 to 37 inches: fine sandy loam
2Cr - 37 to 79 inches: bedrock

Properties and qualities

Slope: 20 to 30 percent
Depth to restrictive feature: 20 to 40 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.06 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Moderate (about 6.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: C

Custom Soil Resource Report

Ecological site: F105XY012WI - Shallow Loamy-Silty Upland
Forage suitability group: Mod AWC, adequately drained with limitations
(G105XY006WI), Not Suited (G105XS024MN)
Other vegetative classification: Mod AWC, adequately drained with limitations
(G105XY006WI), Not Suited (G105XS024MN)
Hydric soil rating: No

Minor Components

Urne

Percent of map unit: 6 percent
Landscape: River valleys
Landform: Knolls
Landform position (two-dimensional): Summit, shoulder, backslope
Landform position (three-dimensional): Interfluve, nose slope, side slope
Down-slope shape: Convex
Across-slope shape: Convex
Ecological site: F105XY012WI - Shallow Loamy-Silty Upland
Other vegetative classification: Mod AWC, adequately drained with limitations
(G105XY006WI), Not Suited (G105XS024MN)
Hydric soil rating: No

Churchtown

Percent of map unit: 2 percent
Landscape: River valleys
Landform: Knolls
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: F105XY013WI - Loamy-Silty Upland
Other vegetative classification: Not Suited (G105XS024MN), High AWC,
adequately drained with limitations (G105XY009WI)
Hydric soil rating: No

Greenridge

Percent of map unit: 2 percent
Landscape: River valleys
Landform: Knolls
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Ecological site: F105XY013WI - Loamy-Silty Upland
Other vegetative classification: Not Suited (G105XS024MN), High AWC,
adequately drained with limitations (G105XY009WI)
Hydric soil rating: No

446A—Merimod silt loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1lmxk
Elevation: 700 to 1,100 feet
Mean annual precipitation: 31 to 39 inches
Mean annual air temperature: 41 to 50 degrees F
Frost-free period: 120 to 190 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Merimod and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Merimod

Setting

Landform: Pediments
Landform position (two-dimensional): Toeslope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Silty alluvium over stratified sandy and loamy alluvium

Typical profile

Ap - 0 to 9 inches: silt loam
Bt1, Bt2 - 9 to 17 inches: silt loam
2Bt3, Bt4 - 17 to 32 inches: loam
3C1 - 32 to 52 inches: stratified sand to loamy sand
3C2 - 52 to 60 inches: stratified sand to fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Moderately well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: About 42 to 66 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 7.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2s
Hydrologic Soil Group: B
Ecological site: F105XY013WI - Loamy-Silty Upland
Forage suitability group: Mod AWC, adequately drained (G105XY005WI)
Other vegetative classification: Mod AWC, adequately drained (G105XY005WI)

Custom Soil Resource Report

Hydric soil rating: No

Minor Components

Merit

Percent of map unit: 3 percent

Landform: Pediments

Landform position (two-dimensional): Toeslope

Down-slope shape: Linear

Across-slope shape: Linear

Ecological site: F105XY013WI - Loamy-Silty Upland

Other vegetative classification: Mod AWC, adequately drained (G105XY005WI)

Hydric soil rating: No

Bilmod

Percent of map unit: 3 percent

Landform: Stream terraces

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Linear

Ecological site: F105XY013WI - Loamy-Silty Upland

Other vegetative classification: Mod AWC, adequately drained (G105XY005WI)

Hydric soil rating: No

Sooner

Percent of map unit: 2 percent

Landform: Stream terraces

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Linear

Ecological site: F105XY008WI - Moist Loamy-Clayey Lowland

Other vegetative classification: High AWC, high water table (G105XY007WI)

Hydric soil rating: No

Toddville

Percent of map unit: 1 percent

Landform: Stream terraces

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Linear

Ecological site: R105XY011WI - Mollic Loamy-Silty Upland

Other vegetative classification: High AWC, adequately drained (G105XY008WI)

Hydric soil rating: No

Gardenvale

Percent of map unit: 1 percent

Landform: Pediments

Landform position (two-dimensional): Summit

Down-slope shape: Linear

Across-slope shape: Linear

Ecological site: F105XY013WI - Loamy-Silty Upland

Other vegetative classification: Acer rubrum/Desmodium=(Vaccinium) (ArDe-V),
High AWC, adequately drained (G105XY008WI)

Hydric soil rating: No

1743F—Council-Elevasil-Norden complex, 20 to 45 percent slopes, rocky

Map Unit Setting

National map unit symbol: 2yt3g
Landscape: Bedrock-controlled uplands
Elevation: 560 to 1,740 feet
Mean annual precipitation: 31 to 39 inches
Mean annual air temperature: 41 to 50 degrees F
Frost-free period: 120 to 190 days
Farmland classification: Not prime farmland

Map Unit Composition

Council and similar soils: 31 percent
Elevasil and similar soils: 29 percent
Norden and similar soils: 27 percent
Minor components: 13 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Council

Setting

Landscape: Bedrock-controlled uplands
Landform: Valley sides
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Head slope
Down-slope shape: Concave
Across-slope shape: Concave
Parent material: Loamy colluvium derived from sedimentary rock

Typical profile

Oe - 0 to 1 inches: moderately decomposed plant material
A - 1 to 4 inches: sandy loam
Bt - 4 to 32 inches: loam
BC - 32 to 79 inches: silt loam

Properties and qualities

Slope: 20 to 30 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.14 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: High (about 11.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: B
Ecological site: F105XY013WI - Loamy-Silty Upland
Forage suitability group: High AWC, adequately drained with limitations (G105XY009WI)
Other vegetative classification: Acer rubrum-Circaea (ArCi), High AWC, adequately drained with limitations (G105XY009WI)
Hydric soil rating: No

Description of Elevasil

Setting

Landscape: Bedrock-controlled uplands
Landform: Sandstone rock pediments, Sandstone valley sides
Landform position (two-dimensional): Backslope, shoulder
Landform position (three-dimensional): Base slope, side slope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loamy slope alluvium derived from sandstone and siltstone over sandy residuum weathered from sandstone

Typical profile

Oe - 0 to 1 inches: moderately decomposed plant material
A - 1 to 3 inches: sandy loam
Bt - 3 to 27 inches: sandy loam
2BC - 27 to 31 inches: loamy sand
2C - 31 to 39 inches: sand
2Cr - 39 to 79 inches: bedrock

Properties and qualities

Slope: 30 to 45 percent
Depth to restrictive feature: 20 to 39 inches to paralithic bedrock
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.14 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Low (about 4.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: B
Ecological site: F105XY012WI - Shallow Loamy-Silty Upland
Forage suitability group: Not suited, slopes > 30% (G000XY011WI)
Other vegetative classification: Not suited, slopes > 30% (G000XY011WI), Pinus/Vaccinium-Cornus (PVCr)
Hydric soil rating: No

Description of Norden

Setting

Landscape: River valleys

Landform: Knolls

Landform position (two-dimensional): Summit, shoulder, backslope

Landform position (three-dimensional): Interfluvium, nose slope, side slope

Down-slope shape: Convex, linear

Across-slope shape: Convex

Parent material: Loess over loamy residuum weathered from glauconitic sandstone

Typical profile

A - 0 to 8 inches: silt loam

Bt - 8 to 20 inches: silt loam

2Bt - 20 to 37 inches: fine sandy loam

2Cr - 37 to 79 inches: bedrock

Properties and qualities

Slope: 30 to 45 percent

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.06 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Available water supply, 0 to 60 inches: Moderate (about 6.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: C

Ecological site: F105XY012WI - Shallow Loamy-Silty Upland

Forage suitability group: Not suited, slopes > 30% (G000XY011WI)

Other vegetative classification: Acer-Tilia-Desmodium-Prunus (ATiDe(Pr)), Not suited, slopes > 30% (G000XY011WI)

Hydric soil rating: No

Minor Components

Seaton, driftless valley

Percent of map unit: 5 percent

Landscape: River valleys

Landform: Loess mantled knolls

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Interfluvium

Down-slope shape: Linear

Across-slope shape: Linear

Ecological site: F105XY013WI - Loamy-Silty Upland

Other vegetative classification: Acer-Tilia-Caulophyllum (ATiCa), High AWC, adequately drained with limitations (G105XY009WI)

Hydric soil rating: No

Urne

Percent of map unit: 4 percent
Landscape: Bedrock-controlled uplands
Landform: Sandstone valley sides
Landform position (two-dimensional): Shoulder, backslope
Landform position (three-dimensional): Nose slope, side slope
Down-slope shape: Convex
Across-slope shape: Convex
Ecological site: F105XY012WI - Shallow Loamy-Silty Upland
Other vegetative classification: Not suited, slopes > 30% (G000XY011WI), *Acer rubrum*/Desmodium=(*Vaccinium*) (ArDe-V)
Hydric soil rating: No

Boone

Percent of map unit: 3 percent
Landscape: Bedrock-controlled uplands
Landform: Sandstone valley sides
Landform position (two-dimensional): Backslope, shoulder
Landform position (three-dimensional): Nose slope
Down-slope shape: Convex
Across-slope shape: Convex
Ecological site: F105XY019WI - Dry Upland
Other vegetative classification: Low AWC, adequately drained with limitations (G105XY003WI), *Pinus/Vaccinium-Gaylussacia* (PVGy)
Hydric soil rating: No

Rock outcrop, sandstone

Percent of map unit: 1 percent
Landscape: Bedrock-controlled uplands
Landform: Jordan sandstone valley sides
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Free face
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

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**BETHANY CHURCH
ADDITION AND RENOVATION
EXISTING CONDITIONS MAP**

Project Title:
Project Location: 3935 COUNTY ROAD B
LA CROSSE, WI 54636

Project Number: 25032

Project Date:

Drawn By: C.G.

Key Plan:

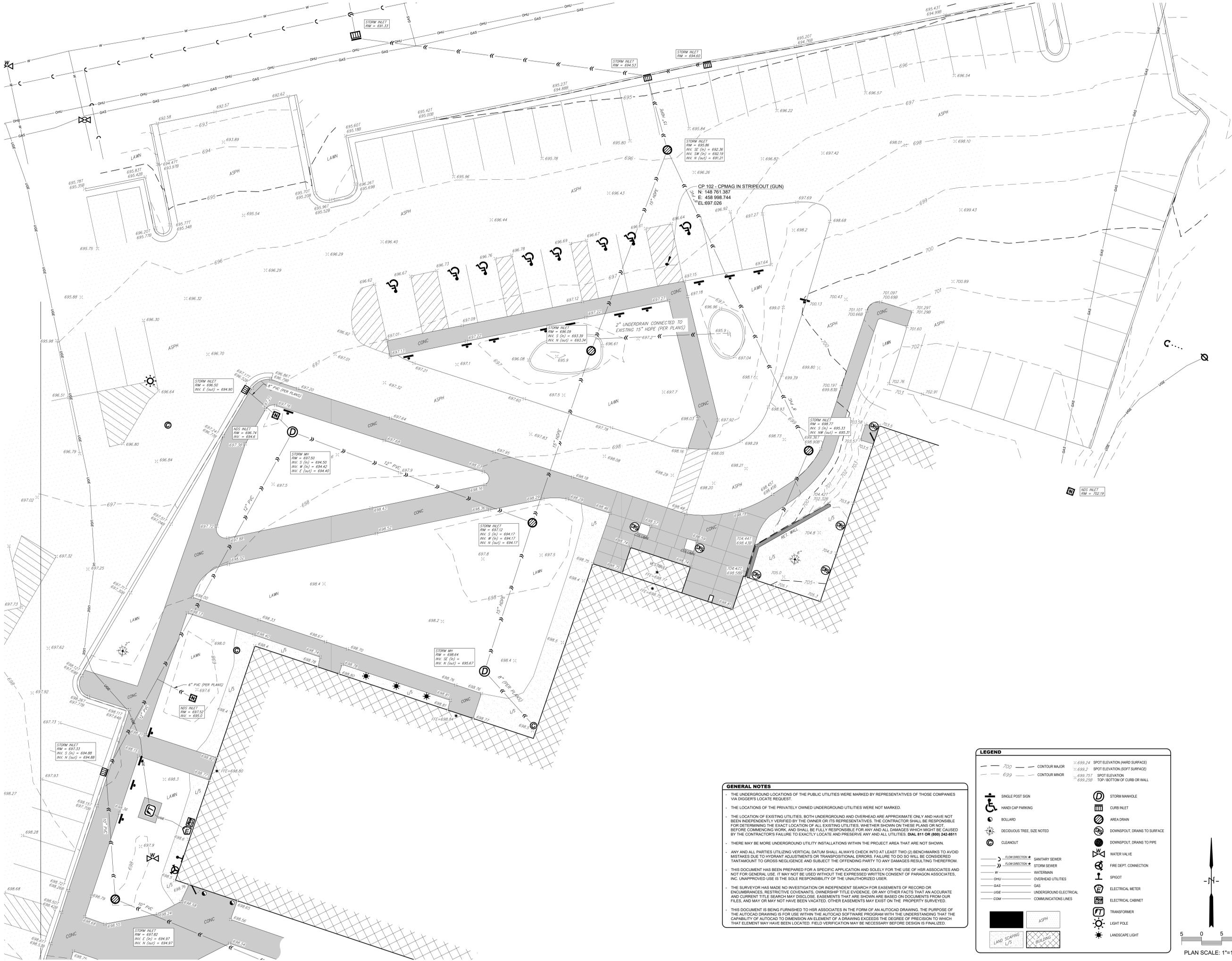
**REVIEW
NOT FOR
CONSTRUCTION**

Revisions:

No.	Description	Date

Graphic Scale:
1" = 10'
Last Update: 02/05/2026

C010

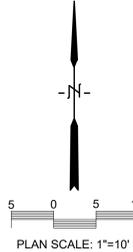


GENERAL NOTES

- THE UNDERGROUND LOCATIONS OF THE PUBLIC UTILITIES WERE MARKED BY REPRESENTATIVES OF THOSE COMPANIES VIA DIGGERS LOCATE REQUEST.
- THE LOCATIONS OF THE PRIVATELY OWNED UNDERGROUND UTILITIES WERE NOT MARKED.
- THE LOCATION OF EXISTING UTILITIES, BOTH UNDERGROUND AND OVERHEAD ARE APPROXIMATE ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THESE PLANS OR NOT, BEFORE COMMENCING WORK, AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES. DIAL 811 OR (800) 242-8811
- THERE MAY BE MORE UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
- ANY AND ALL PARTIES UTILIZING VERTICAL DATUM SHALL ALWAYS CHECK INTO AT LEAST TWO (2) BENCHMARKS TO AVOID MISTAKES DUE TO HYDRANT ADJUSTMENTS OR TRANSCRIPTIONAL ERRORS. FAILURE TO DO SO WILL BE CONSIDERED TANTAMOUNT TO GROSS NEGLIGENCE AND SUBJECT THE OFFENDING PARTY TO ANY DAMAGES RESULTING THEREFROM.
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LEGEND

700	CONTOUR MAJOR	SPOT ELEVATION (HARD SURFACE)
699	CONTOUR MINOR	SPOT ELEVATION (SOFT SURFACE)
698.25	CONTOUR MINOR	SPOT ELEVATION (TOP/BOTTOM OF CURB OR WALL)
Single Post Sign		STORM MANHOLE
Handicap Parking		CURB INLET
Bollard		AREA DRAIN
Deciduous Tree, Site Noted		DOWNSPOUT, DRAINS TO SURFACE
Cleanout		DOWNSPOUT, DRAINS TO PIPE
Sanitary Sewer		WATER VALVE
Storm Sewer		FIRE DEPT. CONNECTION
Watermain		SPIGOT
Overhead Utilities		ELECTRICAL METER
Gas		ELECTRICAL CABINET
Underground Electrical		TRANSFORMER
Communications Lines		LANDSCAPE LIGHT
ASPH		
LAND SCAPING		
BUILDING		





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**BETHANY CHURCH
ADDITION AND RENOVATION**

Project Title:
Project Location: 3936 COUNTY ROAD B
LA CROSSE, WI 54636

HSR Project Number:
25032

Project Date:
Drawn By:
C.G.

Key Plan:

Sheet Title:
DEMOLITION PLAN

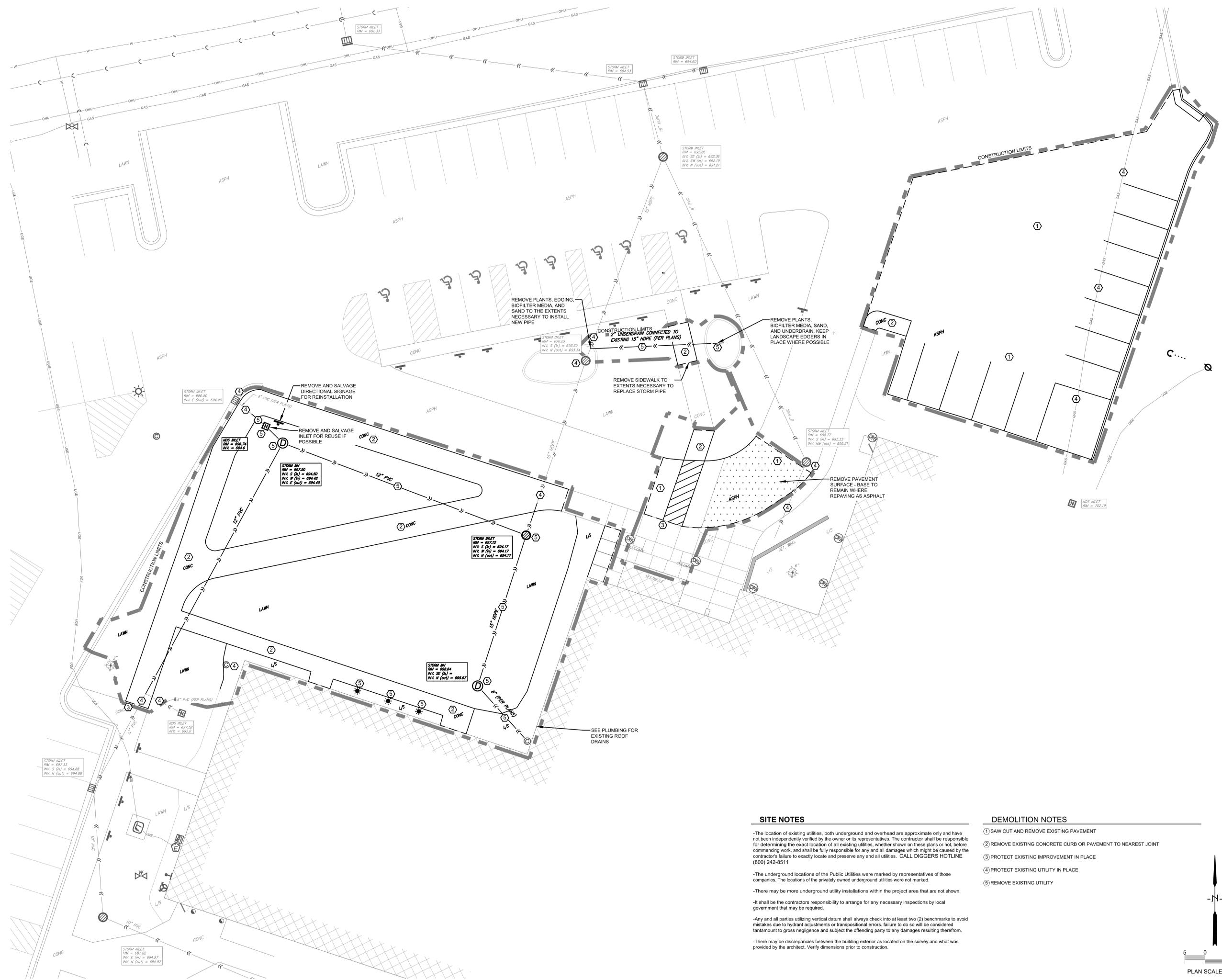
**REVIEW
NOT FOR
CONSTRUCTION**

Revisions:

No.	Description	Date

Graphic Scale:
1" = 10'
Last Update:
02/05/2026

C050

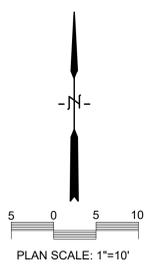


SITE NOTES

- The location of existing utilities, both underground and overhead are approximate only and have not been independently verified by the owner or its representatives. The contractor shall be responsible for determining the exact location of all existing utilities, whether shown on these plans or not, before commencing work, and shall be fully responsible for any and all damages which might be caused by the contractor's failure to exactly locate and preserve any and all utilities. CALL DIGGERS HOTLINE (800) 242-8511
- The underground locations of the Public Utilities were marked by representatives of those companies. The locations of the privately owned underground utilities were not marked.
- There may be more underground utility installations within the project area that are not shown.
- It shall be the contractor's responsibility to arrange for any necessary inspections by local government that may be required.
- Any and all parties utilizing vertical datum shall always check into at least two (2) benchmarks to avoid mistakes due to hydrant adjustments or transpositional errors. Failure to do so will be considered tantamount to gross negligence and subject the offending party to any damages resulting therefrom.
- There may be discrepancies between the building exterior as located on the survey and what was provided by the architect. Verify dimensions prior to construction.

DEMOLITION NOTES

- 1 SAW CUT AND REMOVE EXISTING PAVEMENT
- 2 REMOVE EXISTING CONCRETE CURB OR PAVEMENT TO NEAREST JOINT
- 3 PROTECT EXISTING IMPROVEMENT IN PLACE
- 4 PROTECT EXISTING UTILITY IN PLACE
- 5 REMOVE EXISTING UTILITY





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Consultant:



Environmental Design & Consulting
CIVIL ENGINEERING - LANDSCAPE ARCHITECTURE - SURVEYING
833 COMPELLO AVENUE, LA CROSSE, WI 54601
TEL: 608.781.3110 FAX: 608.781.3187 Paragon@hwr.com

BETHANY CHURCH
ADDITION AND RENOVATION

Project Location:
3936 COUNTY ROAD B
LA CROSSE, WI 54636

Sheet Title:
SITE PLAN

HSR Project Number:
25032

Project Date:

Drawn By:
C.G.

Key Plan:

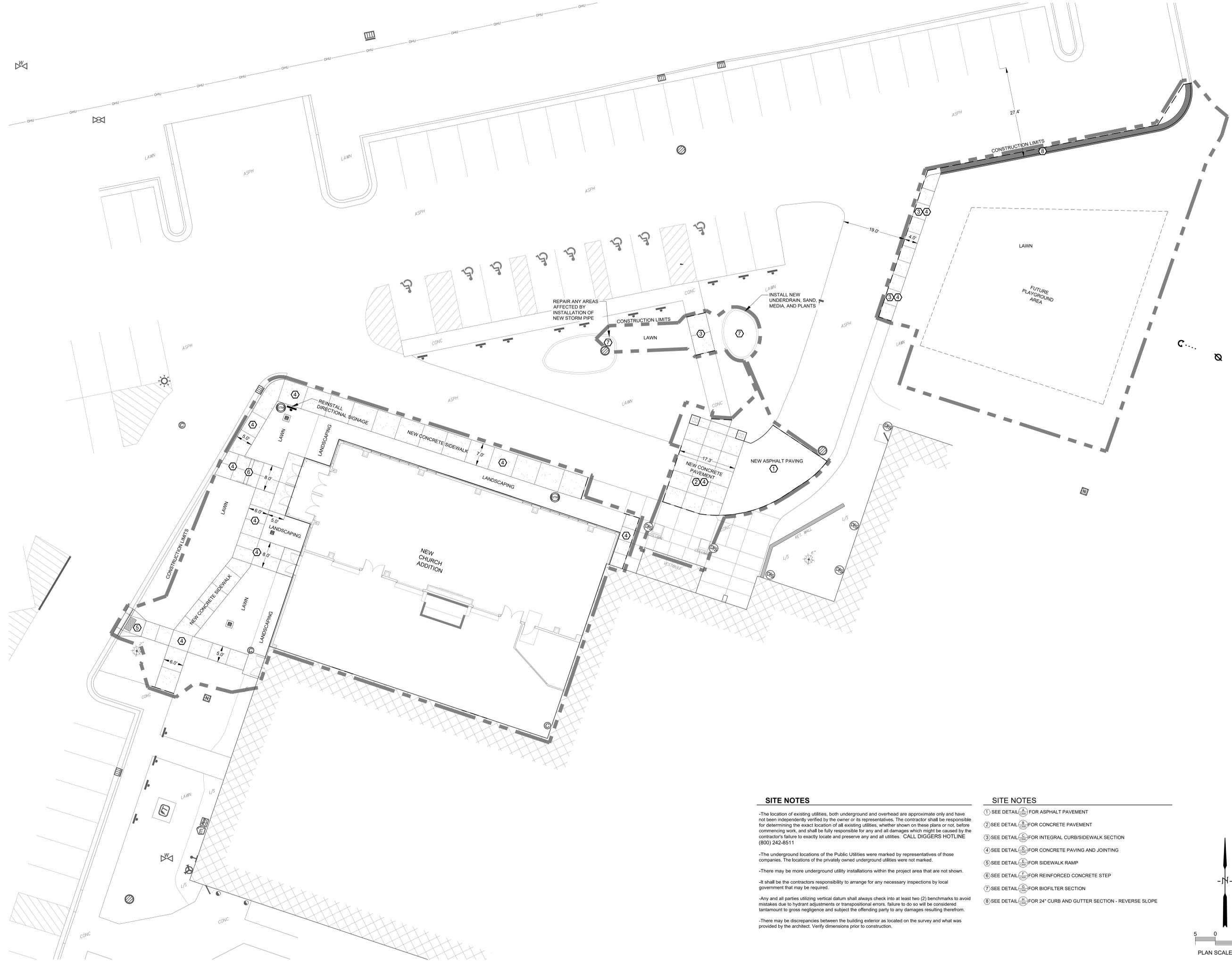
REVIEW
NOT FOR
CONSTRUCTION

No.	Description	Date

Graphic Scale:
1" = 10'

Last Update:
02/05/2026

C100

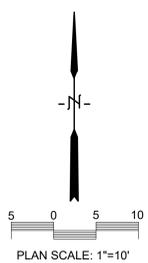


SITE NOTES

- The location of existing utilities, both underground and overhead are approximate only and have not been independently verified by the owner or its representatives. The contractor shall be responsible for determining the exact location of all existing utilities, whether shown on these plans or not, before commencing work, and shall be fully responsible for any and all damages which might be caused by the contractor's failure to exactly locate and preserve any and all utilities. CALL DIGGERS HOTLINE (800) 242-8511
- The underground locations of the Public Utilities were marked by representatives of those companies. The locations of the privately owned underground utilities were not marked.
- There may be more underground utility installations within the project area that are not shown.
- It shall be the contractor's responsibility to arrange for any necessary inspections by local government that may be required.
- Any and all parties utilizing vertical datum shall always check into at least two (2) benchmarks to avoid mistakes due to hydrant adjustments or transpositional errors. Failure to do so will be considered tantamount to gross negligence and subject the offending party to any damages resulting therefrom.
- There may be discrepancies between the building exterior as located on the survey and what was provided by the architect. Verify dimensions prior to construction.

SITE NOTES

- ① SEE DETAIL (A) FOR ASPHALT PAVEMENT
- ② SEE DETAIL (B) FOR CONCRETE PAVEMENT
- ③ SEE DETAIL (C) FOR INTEGRAL CURB/SIDEWALK SECTION
- ④ SEE DETAIL (D) FOR CONCRETE PAVING AND JOINTING
- ⑤ SEE DETAIL (E) FOR SIDEWALK RAMP
- ⑥ SEE DETAIL (F) FOR REINFORCED CONCRETE STEP
- ⑦ SEE DETAIL (G) FOR BIOFILTER SECTION
- ⑧ SEE DETAIL (H) FOR 24" CURB AND GUTTER SECTION - REVERSE SLOPE





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www.hsrassociates.com

Consultant:



Environmental Design & Consulting
Civil Engineering Landscape Architecture Surveying
633 COPLAND AVENUE, LA CROSSE, WI 54601
TEL: 608.781.3110 FAX: 608.781.3187 Paragon@hsr.com

**BETHANY CHURCH
ADDITION AND RENOVATION
GRADING PLAN**

Project Title: BETHANY CHURCH ADDITION AND RENOVATION GRADING PLAN
Project Location: 3936 COUNTY ROAD B LA CROSSE, WI 54636

HSR Project Number: 25032

Project Date:

Drawn By: C.G.

Key Plan:

**REVIEW
NOT FOR
CONSTRUCTION**

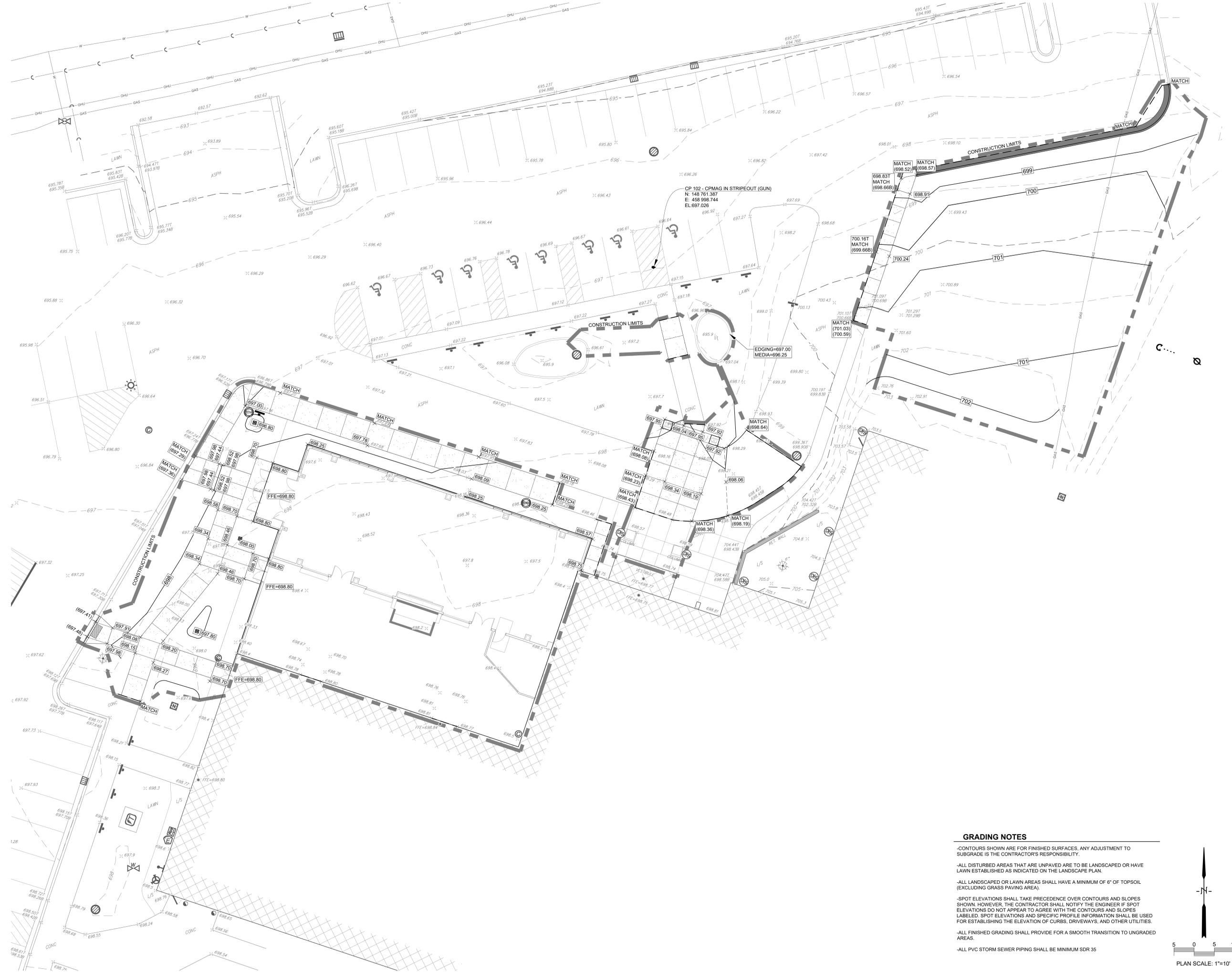
Revisions:

No.	Description	Date

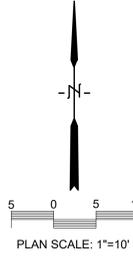
Graphic Scale: 1" = 10'

Last Update: 02/05/2026

C200



- GRADING NOTES**
- CONTOURS SHOWN ARE FOR FINISHED SURFACES. ANY ADJUSTMENT TO SUBGRADE IS THE CONTRACTOR'S RESPONSIBILITY.
 - ALL DISTURBED AREAS THAT ARE UNPAVED ARE TO BE LANDSCAPED OR HAVE LAWN ESTABLISHED AS INDICATED ON THE LANDSCAPE PLAN.
 - ALL LANDSCAPED OR LAWN AREAS SHALL HAVE A MINIMUM OF 6" OF TOPSOIL (EXCLUDING GRASS PAVING AREA).
 - SPOT ELEVATIONS SHALL TAKE PRECEDENCE OVER CONTOURS AND SLOPES SHOWN. HOWEVER, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF SPOT ELEVATIONS DO NOT APPEAR TO AGREE WITH THE CONTOURS AND SLOPES. LABELLED SPOT ELEVATIONS AND SPECIFIC PROFILE INFORMATION SHALL BE USED FOR ESTABLISHING THE ELEVATION OF CURBS, DRIVEWAYS, AND OTHER UTILITIES.
 - ALL FINISHED GRADING SHALL PROVIDE FOR A SMOOTH TRANSITION TO UNGRADED AREAS.
 - ALL PVC STORM SEWER PIPING SHALL BE MINIMUM SDR 35





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Consultant:



PARAGON ASSOCIATES
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CIVIL ENGINEERING LANDSCAPE ARCHITECTURE SURVEYING
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TEL: 608.781.3110 FAX: 608.781.3187 Paragon@paragon.com

**BETHANY CHURCH
ADDITION AND RENOVATION**

Project Location: 3936 COUNTY ROAD B
LA CROSSE, WI 54636

EROSION CONTROL PLAN

Project Title:

HSR Project Number: **25032**

Project Date:

Drawn By: **C.G.**

Key Plan:

**REVIEW
NOT FOR
CONSTRUCTION**

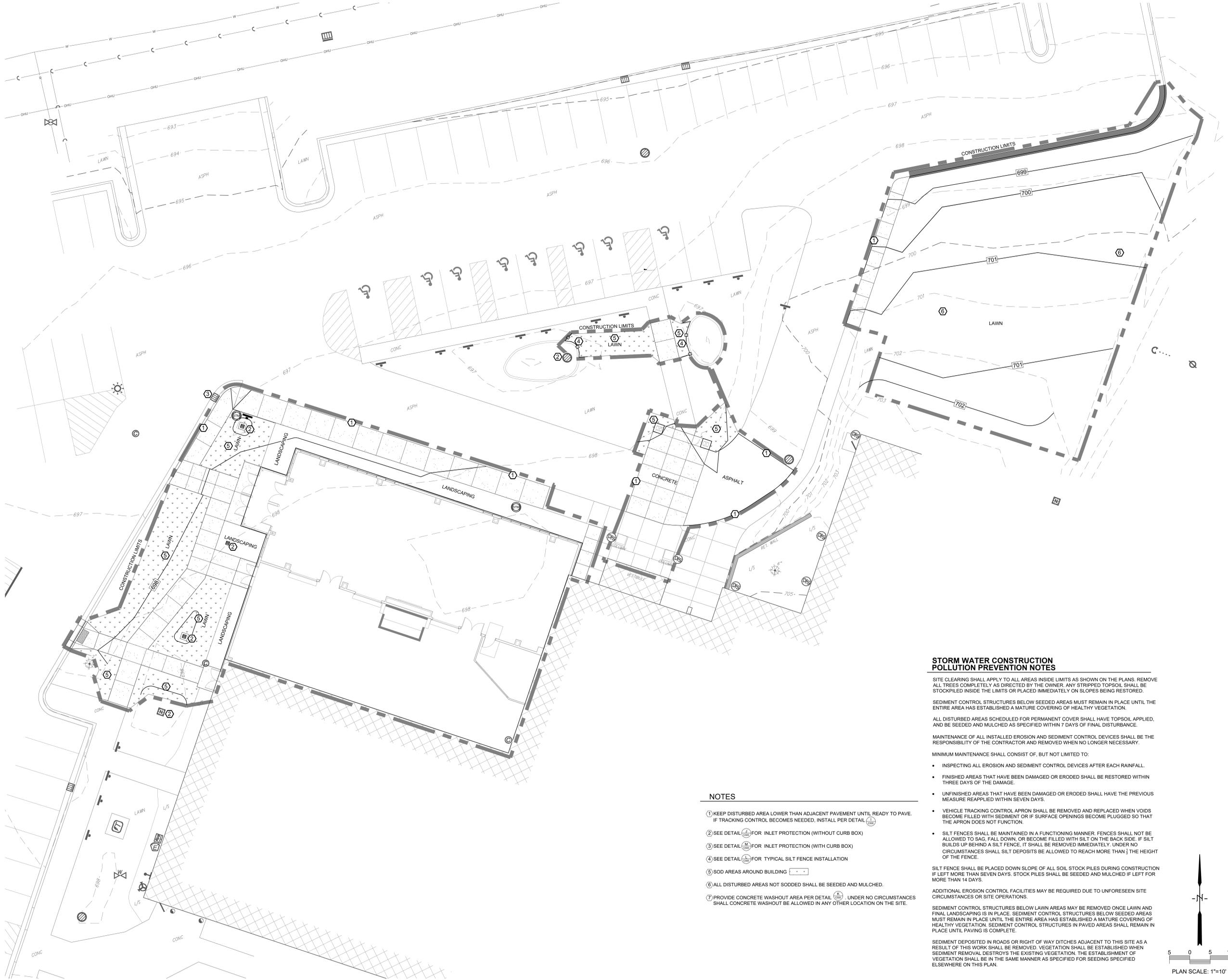
Revisions:

No.	Description	Date

Graphic Scale: 1" = 10'

Last Update: **02/05/2026**

C300



**STORM WATER CONSTRUCTION
POLLUTION PREVENTION NOTES**

SITE CLEARING SHALL APPLY TO ALL AREAS INSIDE LIMITS AS SHOWN ON THE PLANS. REMOVE ALL TREES COMPLETELY AS DIRECTED BY THE OWNER. ANY STRIPPED TOPSOIL SHALL BE STOCKPILED INSIDE THE LIMITS OR PLACED IMMEDIATELY ON SLOPES BEING RESTORED.

SEDIMENT CONTROL STRUCTURES BELOW SEEDED AREAS MUST REMAIN IN PLACE UNTIL THE ENTIRE AREA HAS ESTABLISHED A MATURE COVERING OF HEALTHY VEGETATION.

ALL DISTURBED AREAS SCHEDULED FOR PERMANENT COVER SHALL HAVE TOPSOIL APPLIED, AND BE SEEDED AND MULCHED AS SPECIFIED WITHIN 7 DAYS OF FINAL DISTURBANCE.

MAINTENANCE OF ALL INSTALLED EROSION AND SEDIMENT CONTROL DEVICES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND REMOVED WHEN NO LONGER NECESSARY.

MINIMUM MAINTENANCE SHALL CONSIST OF, BUT NOT LIMITED TO:

- INSPECTING ALL EROSION AND SEDIMENT CONTROL DEVICES AFTER EACH RAINFALL.
- FINISHED AREAS THAT HAVE BEEN DAMAGED OR ERODED SHALL BE RESTORED WITHIN THREE DAYS OF THE DAMAGE.
- UNFINISHED AREAS THAT HAVE BEEN DAMAGED OR ERODED SHALL HAVE THE PREVIOUS MEASURE REAPPLIED WITHIN SEVEN DAYS.
- VEHICLE TRACKING CONTROL APRON SHALL BE REMOVED AND REPLACED WHEN VOIDS BECOME FILLED WITH SEDIMENT OR IF SURFACE OPENINGS BECOME PLUGGED SO THAT THE APRON DOES NOT FUNCTION.
- SILT FENCES SHALL BE MAINTAINED IN A FUNCTIONING MANNER. FENCES SHALL NOT BE ALLOWED TO SAG, FALL DOWN, OR BECOME FILLED WITH SILT ON THE BACK SIDE. IF SILT BUILDS UP BEHIND A SILT FENCE, IT SHALL BE REMOVED IMMEDIATELY. UNDER NO CIRCUMSTANCES SHALL SILT DEPOSITS BE ALLOWED TO REACH MORE THAN 1/4 THE HEIGHT OF THE FENCE.

SILT FENCE SHALL BE PLACED DOWN SLOPE OF ALL SOIL STOCK PILES DURING CONSTRUCTION IF LEFT MORE THAN SEVEN DAYS. STOCK PILES SHALL BE SEEDED AND MULCHED IF LEFT FOR MORE THAN 14 DAYS.

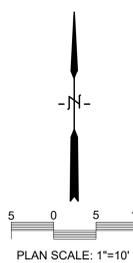
ADDITIONAL EROSION CONTROL FACILITIES MAY BE REQUIRED DUE TO UNFORESEEN SITE CIRCUMSTANCES OR SITE OPERATIONS.

SEDIMENT CONTROL STRUCTURES BELOW LAWN AREAS MAY BE REMOVED ONCE LAWN AND FINAL LANDSCAPING IS IN PLACE. SEDIMENT CONTROL STRUCTURES BELOW SEEDED AREAS MUST REMAIN IN PLACE UNTIL THE ENTIRE AREA HAS ESTABLISHED A MATURE COVERING OF HEALTHY VEGETATION. SEDIMENT CONTROL STRUCTURES IN PAVED AREAS SHALL REMAIN IN PLACE UNTIL PAVING IS COMPLETE.

SEDIMENT DEPOSITED IN ROADS OR RIGHT OF WAY DITCHES ADJACENT TO THIS SITE AS A RESULT OF THIS WORK SHALL BE REMOVED. VEGETATION SHALL BE ESTABLISHED WHEN SEDIMENT REMOVAL DESTROYS THE EXISTING VEGETATION. THE ESTABLISHMENT OF VEGETATION SHALL BE IN THE SAME MANNER AS SPECIFIED FOR SEEDING SPECIFIED ELSEWHERE ON THIS PLAN.

NOTES

- 1 KEEP DISTURBED AREA LOWER THAN ADJACENT PAVEMENT UNTIL READY TO PAVE. IF TRACKING CONTROL BECOMES NEEDED, INSTALL PER DETAIL (K) (1)
- 2 SEE DETAIL (M) FOR INLET PROTECTION (WITHOUT CURB BOX)
- 3 SEE DETAIL (M) FOR INLET PROTECTION (WITH CURB BOX)
- 4 SEE DETAIL (L) FOR TYPICAL SILT FENCE INSTALLATION
- 5 SOD AREAS AROUND BUILDING (---)
- 6 ALL DISTURBED AREAS NOT SODDED SHALL BE SEEDED AND MULCHED.
- 7 PROVIDE CONCRETE WASHOUT AREA PER DETAIL (K) (2). UNDER NO CIRCUMSTANCES SHALL CONCRETE WASHOUT BE ALLOWED IN ANY OTHER LOCATION ON THE SITE.





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TEL: 608.781.3110 FAX: 608.781.3187 Paragon@paragon-ae.com

**BETHANY CHURCH
ADDITION AND RENOVATION
UTILITY PLAN**

Project Title:
Project Location: 3935 COUNTY ROAD B
LA CROSSE, WI 54636

Project Number: 25032
Project Date:
Drawn By: C.G.
Key Plan:

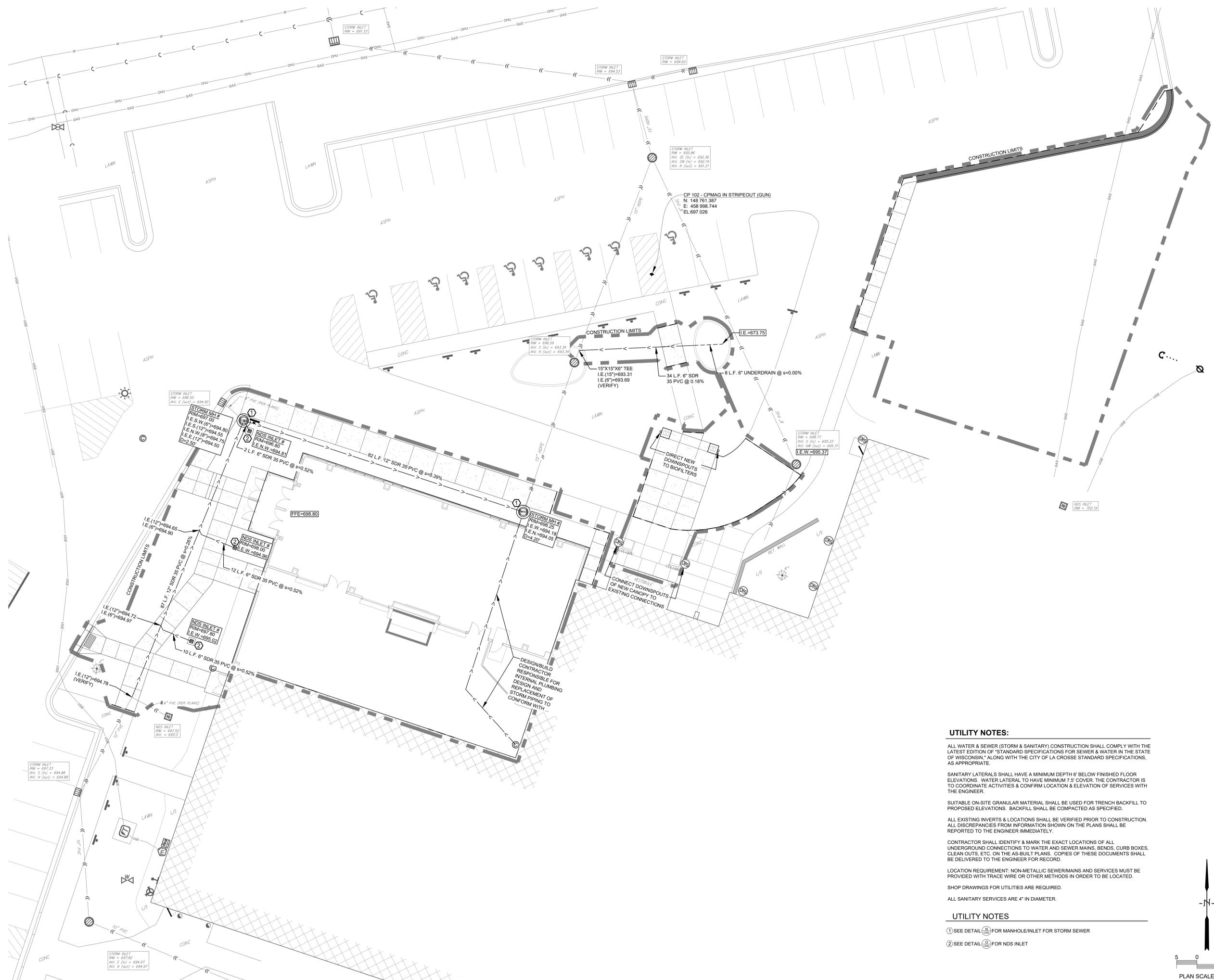
**REVIEW
NOT FOR
CONSTRUCTION**

Revisions:

No.	Description	Date

Graphic Scale: 1" = 10'
Last Update: 02/05/2026

C400

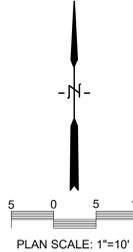


UTILITY NOTES:

- ALL WATER & SEWER (STORM & SANITARY) CONSTRUCTION SHALL COMPLY WITH THE LATEST EDITION OF "STANDARD SPECIFICATIONS FOR SEWER & WATER IN THE STATE OF WISCONSIN," ALONG WITH THE CITY OF LA CROSSE STANDARD SPECIFICATIONS, AS APPROPRIATE.
- SANITARY LATERALS SHALL HAVE A MINIMUM DEPTH 6" BELOW FINISHED FLOOR ELEVATIONS. WATER LATERAL TO HAVE MINIMUM 7 1/2" COVER. THE CONTRACTOR IS TO COORDINATE ACTIVITIES & CONFIRM LOCATION & ELEVATION OF SERVICES WITH THE ENGINEER.
- SUITABLE ON-SITE GRANULAR MATERIAL SHALL BE USED FOR TRENCH BACKFILL TO PROPOSED ELEVATIONS. BACKFILL SHALL BE COMPACTED AS SPECIFIED.
- ALL EXISTING INVERTS & LOCATIONS SHALL BE VERIFIED PRIOR TO CONSTRUCTION. ALL DISCREPANCIES FROM INFORMATION SHOWN ON THE PLANS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
- CONTRACTOR SHALL IDENTIFY & MARK THE EXACT LOCATIONS OF ALL UNDERGROUND CONNECTIONS TO WATER AND SEWER MAINS, BENDS, CURB BOXES, CLEAN OUTS, ETC. ON THE AS-BUILT PLANS. COPIES OF THESE DOCUMENTS SHALL BE DELIVERED TO THE ENGINEER FOR RECORD.
- LOCATION REQUIREMENT: NON-METALLIC SEWER MAINS AND SERVICES MUST BE PROVIDED WITH TRACE WIRE OR OTHER METHODS IN ORDER TO BE LOCATED.
- SHOP DRAWINGS FOR UTILITIES ARE REQUIRED.
- ALL SANITARY SERVICES ARE 4" IN DIAMETER.

UTILITY NOTES

- ① SEE DETAIL (N) FOR MANHOLE/INLET FOR STORM SEWER
- ② SEE DETAIL (S) FOR NDS INLET





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Consultant:

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Civil Engineering - Landscape Architecture - Surveying
433 COPLEY AVENUE, LA CROSSE, WI 54601
Tel: 608.781.3110 Fax: 608.781.3197 Paragon-Associates

**BETHANY CHURCH
ADDITION AND RENOVATION
DETAILS**

Project Title:
Project Location: 3936 COUNTY ROAD B LA CROSSE, WI 54636
Sheet Title:

HSR Project Number: 25032

Project Date:

Drawn By: C.G.

Key Plan:

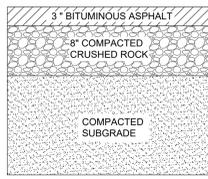
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NOT FOR
CONSTRUCTION**

No.	Description	Date

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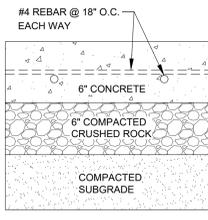
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C500

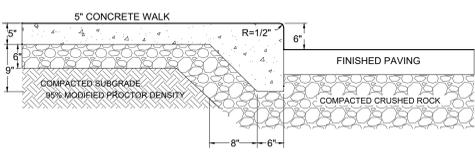


PLACE PAVEMENT USING ONE 1 1/2\"/>

A ASPHALT PAVEMENT SECTION DETAIL
C100 NO SCALE

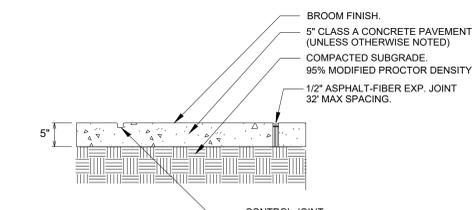


B CONCRETE PAVEMENT SECTION DETAIL
C100 NO SCALE

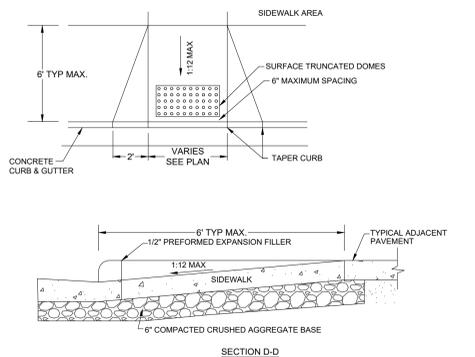


NOTE: ROCK UNDER CURB TO BE SAME DEPTH TO SUBGRADE AS ADJACENT PAVEMENT. HOWEVER, NOT LESS THAN 6\"/>

C INTEGRAL CURB/SIDEWALK SECTION
C100 NO SCALE

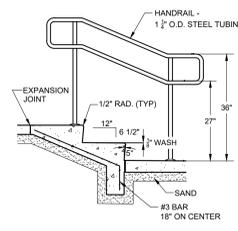


D CONCRETE PAVING AND JOINTING
C100 NO SCALE

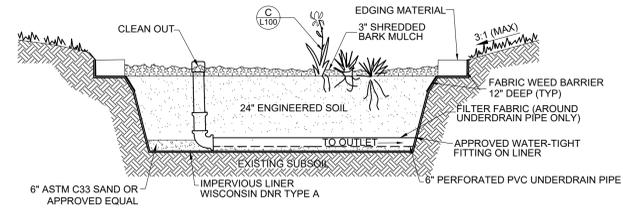


NOTES:
• 2x4\"/>

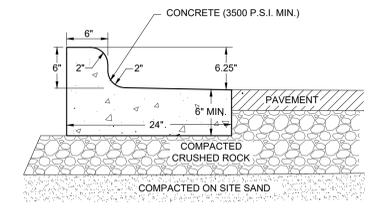
E SIDEWALK RAMP DETAIL
C100 NO SCALE



F REINFORCED CONCRETE STEP
C100 NO SCALE

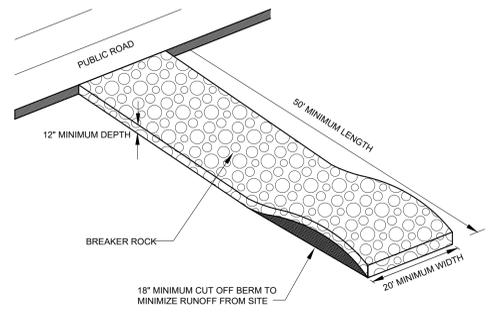


G BIOFILTER DETAIL
C100 NO SCALE



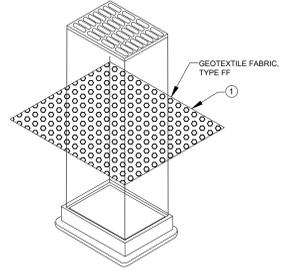
NOTE: 1 CONTROL JOINTS SHALL CONFORM WITH WISDOT 601.3.6
2 THE BOTTOM OF THE CURB AND GUTTER MAY BE CONSTRUCTED FLAT OR PARALLEL TO THE SLOPE OF THE BASE COURSE PROVIDED A MINIMUM 6\"/>

H 24\"/>



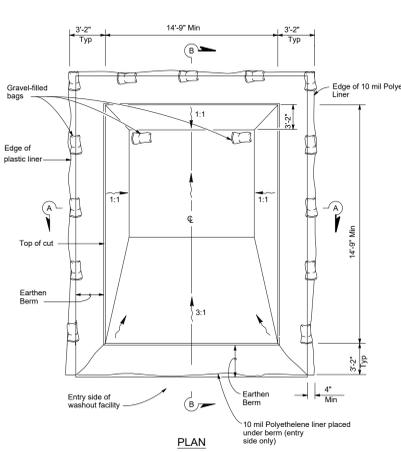
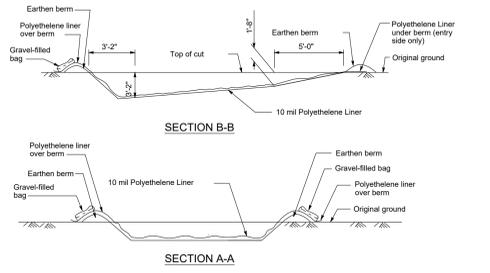
NOTES:
1. PLACE FILTER FABRIC (PROPEX 2002 OR EQUAL) UNDER BREAKER ROCK TO PREVENT MUD MIGRATION THROUGH ROCK.
2. ENTRANCE MUST BE MAINTAINED REGULARLY TO PREVENT SEDIMENTATION ON PUBLIC ROADWAYS. FUGITIVE ROCK WILL BE REMOVED FROM ADJACENT ROADWAYS DAILY OR MORE FREQUENTLY AS NECESSARY.

I VEHICLE TRACKING CONTROL
C300 NO SCALE

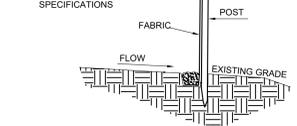


GENERAL NOTES
INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.
MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE WIS. D.O.T.'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.
WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.
① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED SHALL EXTEND A MINIMUM OF 10\"/>

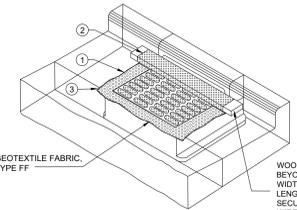
J INLET PROTECTION, TYPE B (WITHOUT CURB BOX)
C300 NO SCALE



K TEMPORARY CONCRETE WASHOUT FACILITY
C300 NO SCALE

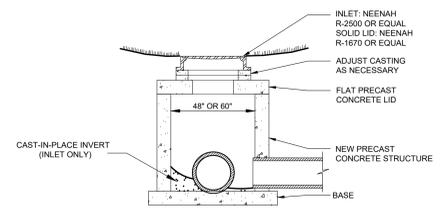


L TYPICAL SILT FENCE INSTALLATION
C300 NO SCALE

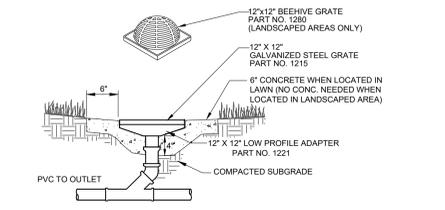


GENERAL NOTES
INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.
MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE WIS. D.O.T.'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.
WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.
① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED SHALL EXTEND A MINIMUM OF 10\"/>

M INLET PROTECTION, TYPE C (WITH CURB BOX)
C300 NO SCALE

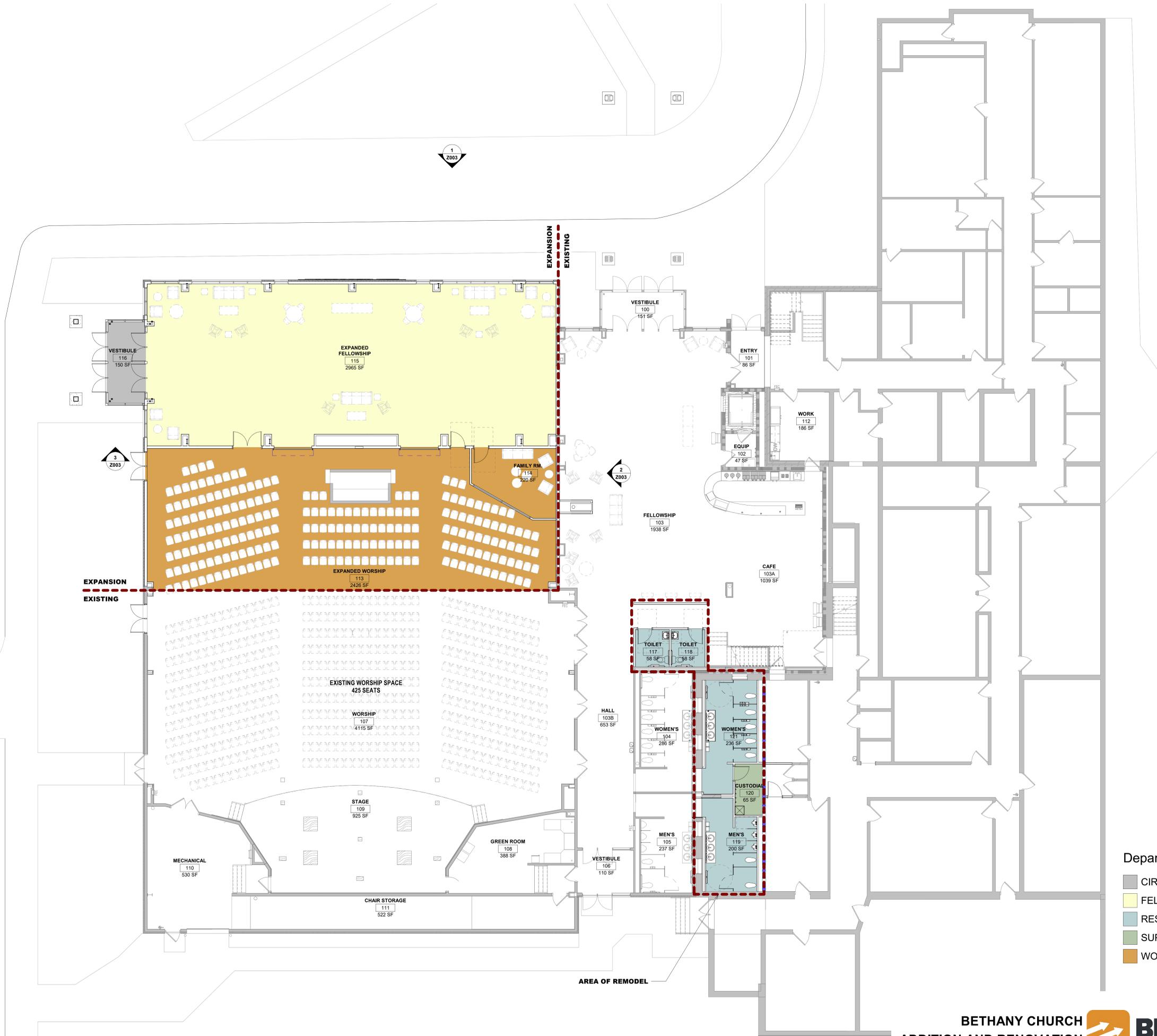


N MANHOLE/INLET FOR STORM SEWER
C400 NO SCALE



-ALL PART NUMBERS ARE NDS PRODUCT NUMBERS
NDS
PO BOX 339, 851 N. HARVARD AVE
LINDSAY, CA 93247
(800) 726-1994

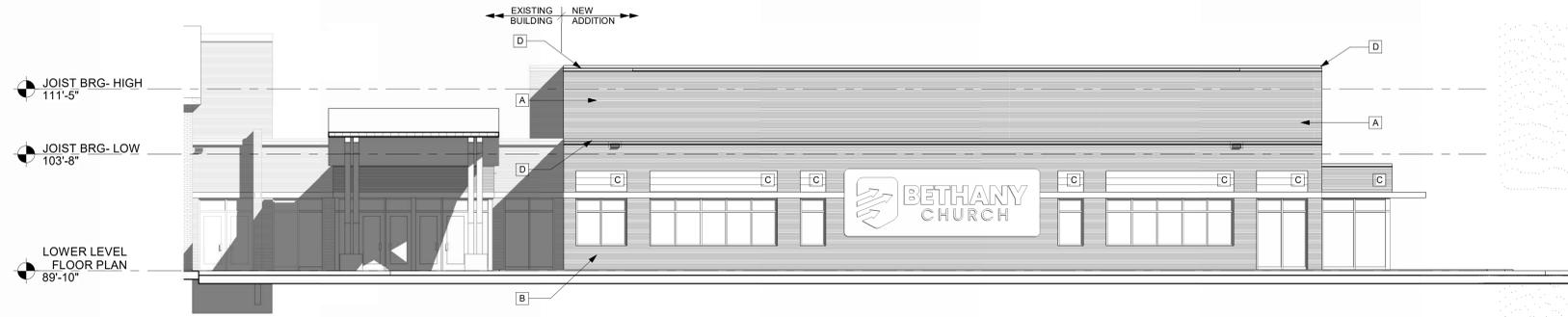
O 12\"/>



- Department Legend**
- CIRCULATION
 - FELLOWSHIP
 - RESTROOMS
 - SUPPORT
 - WORSHIP

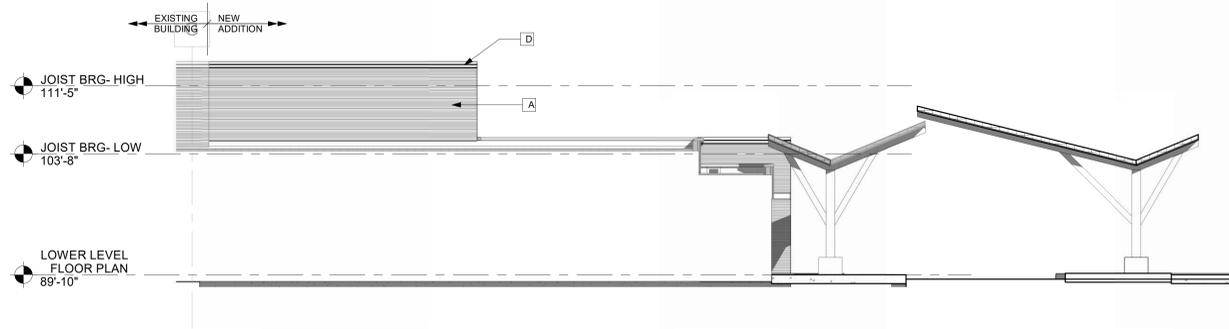
LEGEND:

- A CORRUGATED METAL- FIELD LIGHT
- B CORRUGATED METAL- FIELD DARK
- C ALUMINUM SIDING- ACCENT MEDIUM
- D FASCIA/ TRIM- WHITE



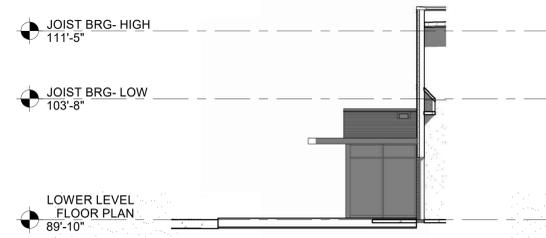
1 NORTH ELEVATION

1/8" = 1'-0"



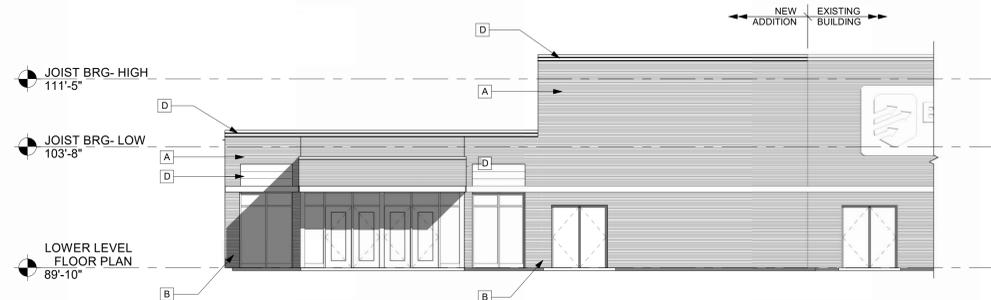
2 EAST ELEVATION

1/8" = 1'-0"



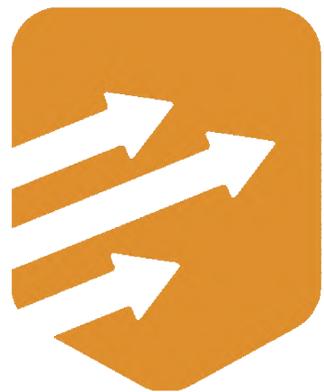
3 SOUTH ELEVATION

1/8" = 1'-0"



4 WEST ELEVATION

1/8" = 1'-0"



BETHANY CHURCH



City of La Crosse, Wisconsin

City Hall
400 La Crosse Street
La Crosse, WI 54601

Text File

File Number: 26-0252

Agenda Date:

Version: 1

Status: Agenda Ready

In Control: Commercial/Multi-Family Design Review Committee

File Type: Review of Plans

Agenda Number: 2.

SITE PLAN SUMMARY:	
ZONING: MUNICIPAL ZONING APPLIES (NO CONDITIONS APPLY)	
PARCEL AREA (17-30188-50): 0.84 ACRES +/-	
MAIN LEVEL SQ. FT.	2,770 S.F.
DRIVE-UP CANOPY	555 S.F.
PARKING REQUIREMENTS: MINIMUM PARKING STALL DIMENSIONS 20' X 9' (90 DEGREE PARKING)	
EXISTING PARKING STALLS	18
NEW PARKING STALLS	17
ACCESSIBLE STALLS PROVIDED	1
PROPOSED IMPERVIOUS	0.488 ACRES (21,686 S.F.)
PROPOSED GREEN SPACE	0.322 ACRES (14,036 S.F.)
SETBACKS: MINIMUM SETBACK FOR PARKING STALLS AND DRIVES IS 5' FROM PROPERTY LINES.	

SURVEY DATA WAS TAKEN FROM 4689469-253400.01 CERT. DATE 11/20/25 BY PAUL WILLIS REG. # 37732. HTG ARCHITECTS IS NOT RESPONSIBLE FOR ACCURACY OR OMISSIONS, IF ANY. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS.

00 KEYED SITE PLAN NOTES	
NO.	DESCRIPTION
1	ACCESSIBLE PARKING SPACE SIGN SHALL BE LOCATED CENTERED AT HEAD OF AISLE, MOUNTED ON 2" SQ. ALUMINUM PIPE STD. AND 40"-60" ABOVE ADJACENT PARKING SURFACE, MAX 8'-0" FROM CURB. SEE DETAIL.
2	PROVIDE UNDERGROUND PIPES FOR LAWN SPRINKLER - VERIFY WITH SPRINKLER CONTRACTOR FOR QUANTITY AND LOCATIONS.
3	6" DIA. PIPE BOLLARD, SEE DETAIL.
4	FLAGPOLE, SEE DETAIL.
5	REINFORCED CONCRETE AT DRIVE-UP, SEE CIVIL.
6	DO NOT ENTER SIGNAGE, COORDINATE WITH SIGNAGE VENDOR.
7	ROCK MULCH, SEE CIVIL LANDSCAPE.
8	PROVIDE "NO PARKING" STRIPING, AS REQUIRED BY STATE CODE.
9	ACCESSIBLE PEDESTRIAN RAMP, SEE CIVIL.
10	4" CONCRETE SIDEWALK, SEE CIVIL.
11	A/C UNITS, SEE MECHANICAL.
12	MANHOLE COVER, SEE CIVIL.
13	SURFACE MOUNTED BIKE RACK, FINALIZE EXACT LOCATION WITH OWNER.

SITE PLAN GENERAL NOTES:	
1.	ALL SITE GRADING TO BE DONE PER CIVIL DRAWINGS.
2.	VERIFY & LOCATE ALL UNDERGROUND PHONE & UTILITY LINES PRIOR TO ANY EXCAVATION.
3.	SEE CIVIL & MECH/ELEC. DRAWINGS FOR ADDITIONAL INFORMATION REGARDING SITE UTILITIES.
4.	BARRICADE OFF CONSTRUCTION AREA AS REQUIRED KEEP CONSTRUCTION AREA TO MINIMUM.
5.	SLOPE SIDEWALKS & GRADE AWAY FROM BUILDING TYPICAL 1:20 MAX. SLOPE. SIDEWALK RAMP SLOPE IS 1:12 MAX. ACCESSIBLE PKG. & ACCESS AISLES ARE 1:48 MAX. SLOPE IN ANY DIRECTION.
6.	MATCH NEW CONSTRUCTION WITH EXISTING WHEREVER NECESSARY (ie., CONC., CURBS, CONC. WALKS, PAVING, ETC.).
7.	MATCH/NEW GRADING INTO EXISTING GRADING.
8.	CUT & PATCH EXISTING BITUMINOUS PAVING, CONC. CURBS & SIDEWALKS TO MATCH EXISTING.
9.	ALL MECHANICAL & ELECTRICAL EXPOSED PIPING, GRILLES, CONDUITS, ETC. TO BE PAINTED.
10.	PARKING STRIPES TO BE PAINTED 4" WIDE AT 9'-0" O.C. & 20'-0".
11.	FURNISH & INSTALL POSTED HANDICAP SIGNS AS REQUIRED BY STATE CODE.
12.	CONC. SIDEWALK WIDTHS TO BE 5'-0" WIDE w/CONTROL JOINTS @ 5'-4" SIM.
13.	SEE CIVIL DRAWINGS AND EXHIBITS FOR ADDITIONAL SPECIFIC INFORMATION ON SITE PLAN.



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PROJECT

MAYO EMPLOYEES
FEDERAL CREDIT UNION

NEW BUILDING

605 WEST AVE S.
LA CROSSE, WI

ISSUED SET 3/27/26

REVISIONS

DATE NO

SEAN C. RABOIN
47337 3/27/26
Reg No. Date

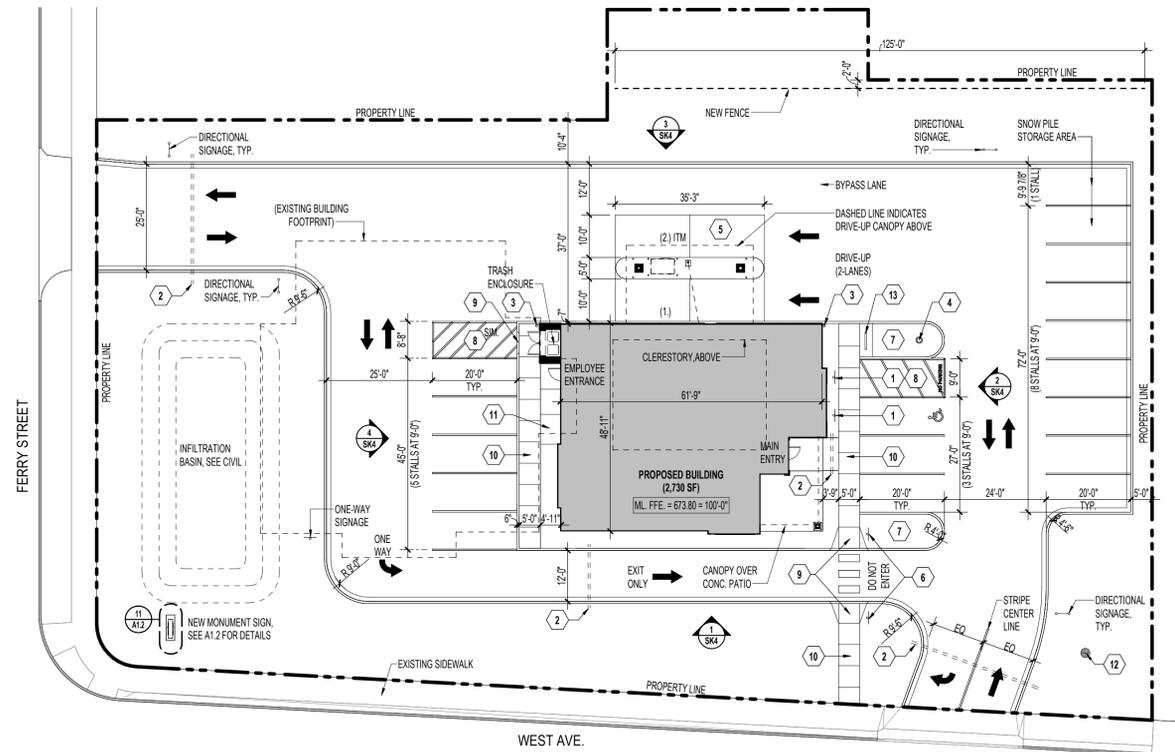
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CONSTRUCTION
PRELIMINARY**

SITE PLAN

Drawn By: SRC Checked By: SCR

A1.1

251167
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1 SITE PLAN
A1.1 1" = 20'-0"



GENERAL NOTES:

MAIN BUILDING ROOF -
 EPDM ON 1/4" PER FT. FLOPING TAPERED INSULATION ON 4 1/2" RIGID INSUL. BASE LAYER ON 1 1/2" MTL. DECKING ON FLAT STL. STRUCTURE (SEE STRUCT.)

ENTRY CANOPY/DRIVE-UP CANOPY -
 EPDM ON 1/4" PER FOOT SLOPING TOP LAYER OF RIGID INSUL. ON 1 1/2" MTL. DECKING ON FLAT STRUCTURE (SEE STRUCT.)

CLERESTORY ROOF -
 EPDM ON 1/4" PER FT. SLOPING TAPERED INSULATION ON 4 1/2" RIGID INSUL. BASE LAYER ON 1 1/2" MTL. DECKING ON FLAT STL. STRUCTURE (SEE STRUCT.)

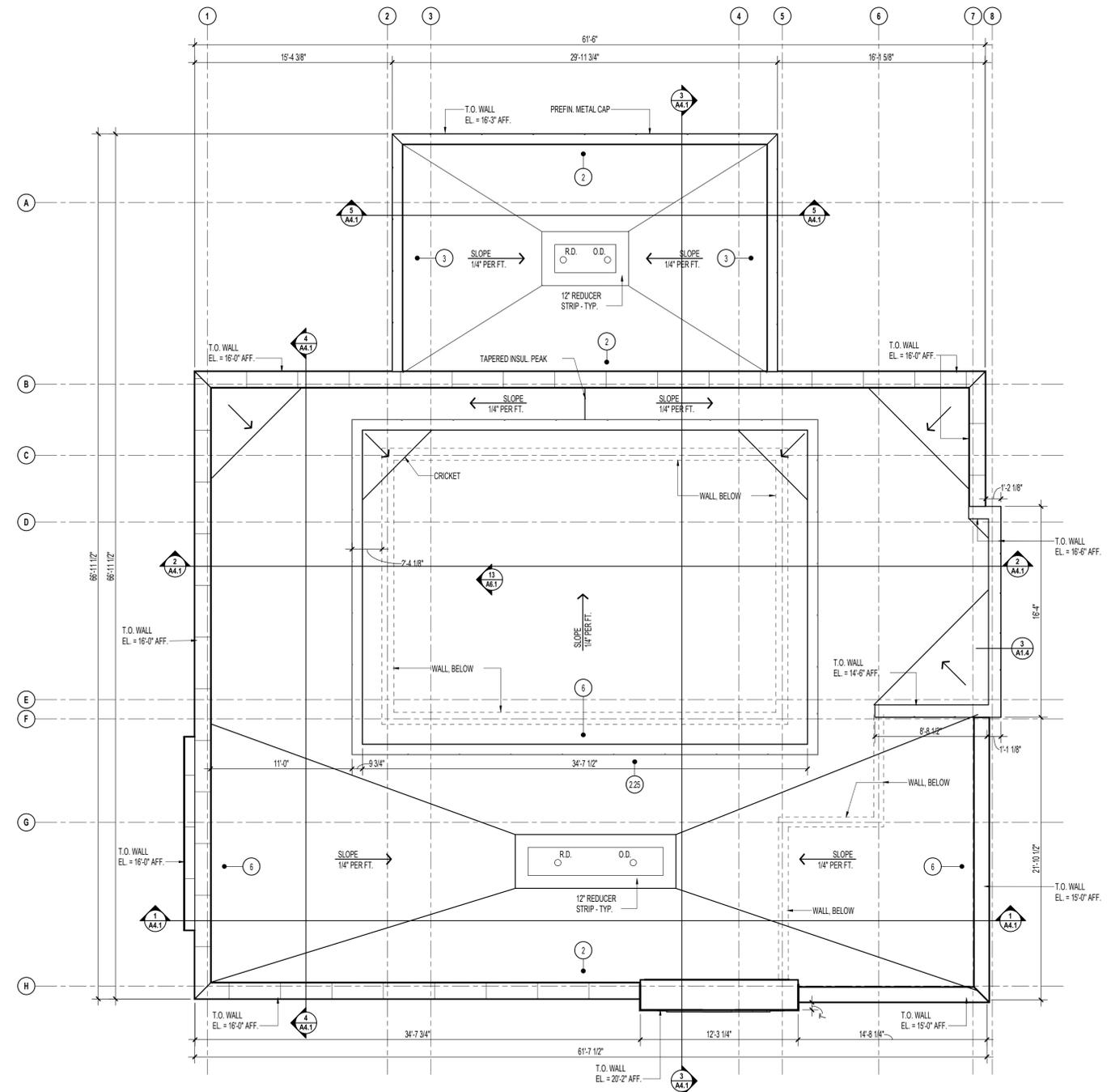
MISCELLANEOUS NOTES -
 FULLY ADHERE EPDM TO ALL PARAPETS- TYPICAL.
 EPDM TO BE ADHERED & MECH. FASTENED TO DECK (SEE SPEC.)
 SEE MECHANICAL FOR EXACT QUANTITIES & LOCATIONS OF ROOF & OVERFLOW DRAINS.
 INSTALL CRICKETS AS REQ'D. FOR PROPER ROOF DRAINAGE.

● 55 THICKNESS (IN INCHES) OF TAPERED INSULATION.

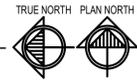
R.D. ROOF DRAIN (SEE MECH.)

O.D. OVERFLOW ROOF DRAIN (SEE MECH.) OVERFLOW DRAIN TO BE MAX. 2' ABOVE ROOF DRAIN.

- LOCATIONS OF ALL ROOF PENETRATIONS TO BE VERIFIED WITH APPROPRIATE SUBCONTRACTOR.
- VERIFY EXACT LOCATIONS OF ROOFTOP CURBS WITH STRUCTURAL ENGINEER PRIOR TO COMMENCING WORK.
- INSTALL RIGID INSULATION CRICKETS AT HIGH SIDE OF ALL RTU'S AND ROOF HATCH. SLOPE 1/4" PER FOOT.
- PROVIDE PIPE FLASHINGS, CONDUIT FLASHINGS, AND MANUFACTURED GAS PIPING SUPPORTS AS REQUIRED. REFER TO TYPICAL DETAILS ON A1.3 AND MANUFACTURERS DETAILS TO MEET WARRANTY OF ROOF.
- PROVIDE STRUCTURAL FRAMING AT ALL ROOF OPENINGS. REFER TO STRUCTURAL DRAWINGS.
- CONTRACTOR SHALL KEEP ROOF CLEAN OF ALL DEBRIS DURING ALL CONSTRUCTION WORK.
- REFER TO DESIGN/BUILD PLUMBING DRAWINGS, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL ROOF PENETRATIONS REQUIRING ROOF FLASHING WORK. ALL ROOF PENETRATIONS FOR MINOR ROOF VENTS AND SIMILAR ITEMS MAY NOT BE INDICATED ON THIS ROOF PLAN. HOWEVER, ALL ROOF FLASHING WORK SHALL BE PROVIDED BY THE ROOFING SUBCONTRACTOR SO AS TO OBTAIN OR MAINTAIN NEW ROOFING WARRANTIES.
- ROOF DRAIN (SEE MECH.)



1 ROOF PLAN
 A1.3 316' x 1'-0"



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PROJECT

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 FEDERAL CREDIT UNION**

NEW BUILDING

**605 WEST AVE S.
 LA CROSSE, WI**

ISSUED SET 3/27/26

REVISIONS

DATE NO

SEAN C. RABOIN
 47337 3/27/26
 Reg No. Date

**NOT FOR
 CONSTRUCTION
 PRELIMINARY**

ROOF PLAN

Drawn By: SRC Checked By: RBB

A1.3

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Autodesk Docs\Mayo Employees\FCU-La Crosse\W251167_Arch_Central_R25.rvt
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PROJECT

MAYO EMPLOYEES FEDERAL CREDIT UNION

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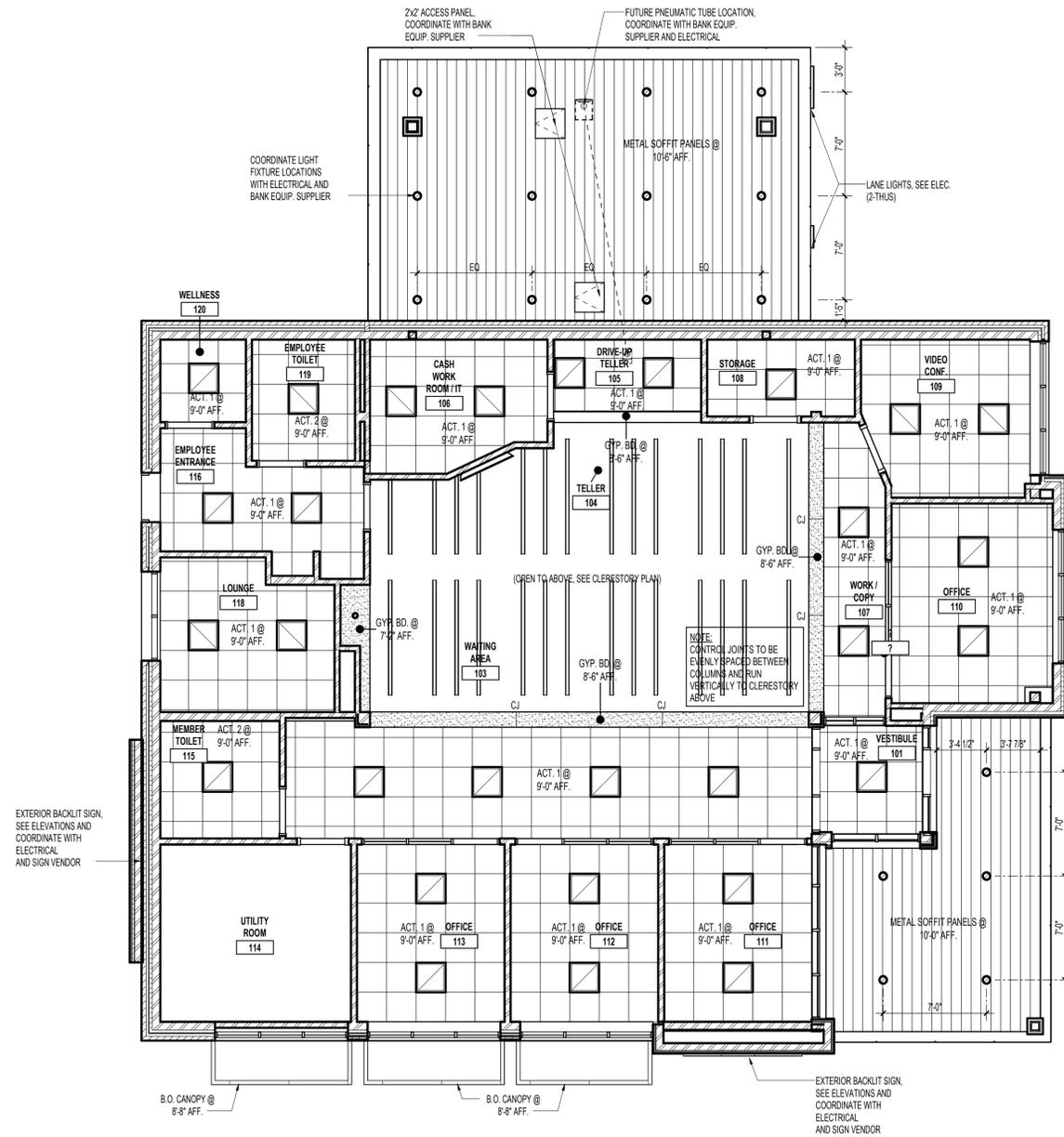
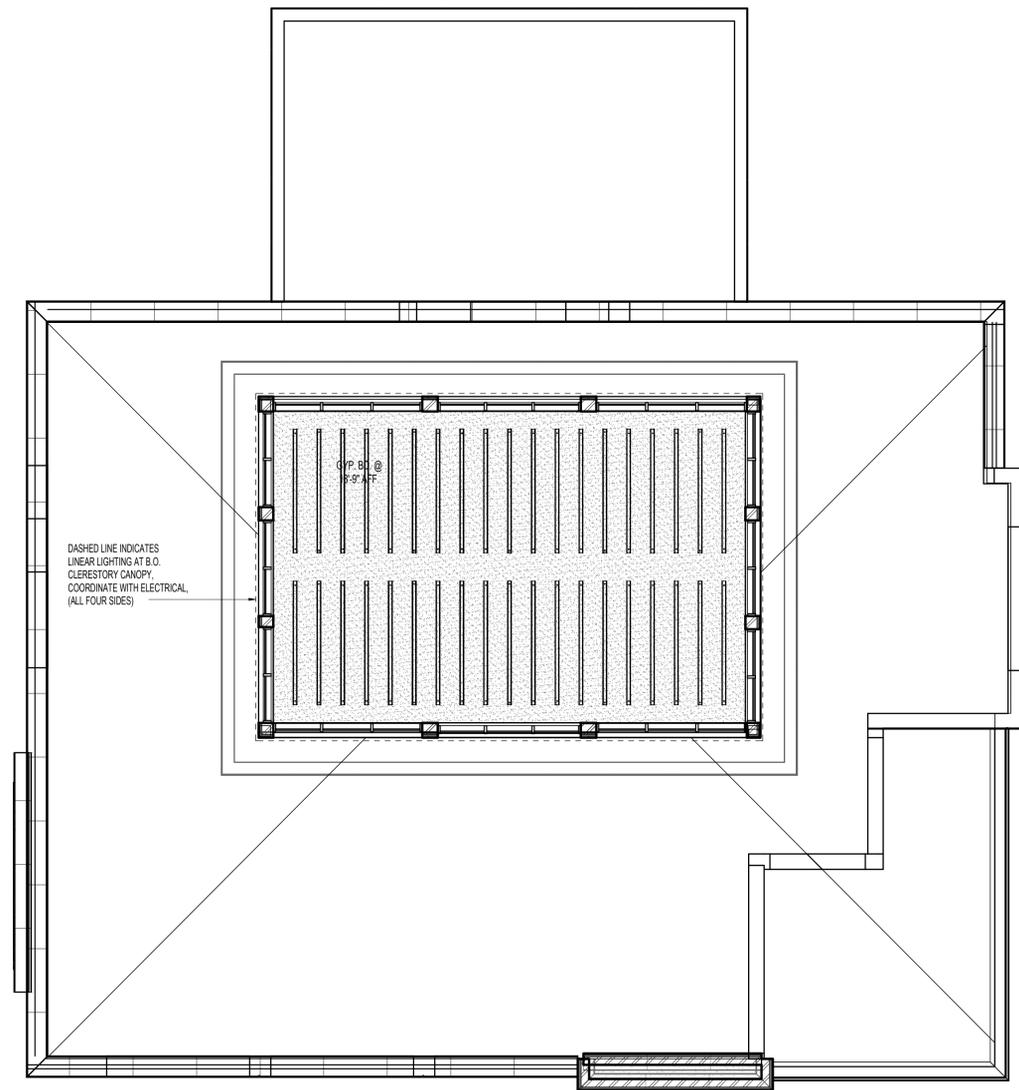
MAIN LEVEL REFLECTED CEILING PLAN

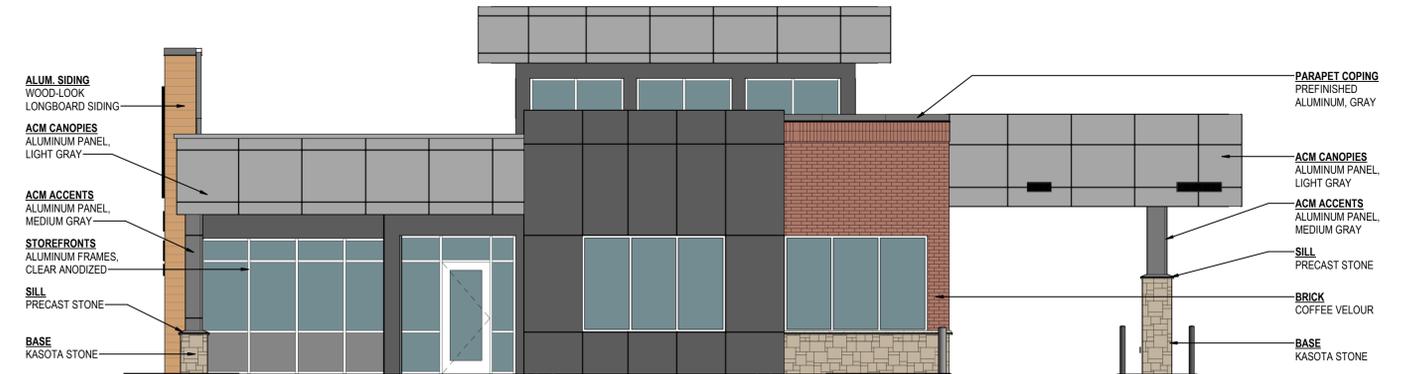
Drawn By: Author Checked By: Checker

A2.2

00 KEYED CEILING PLAN NOTES	
NO.	DESCRIPTION

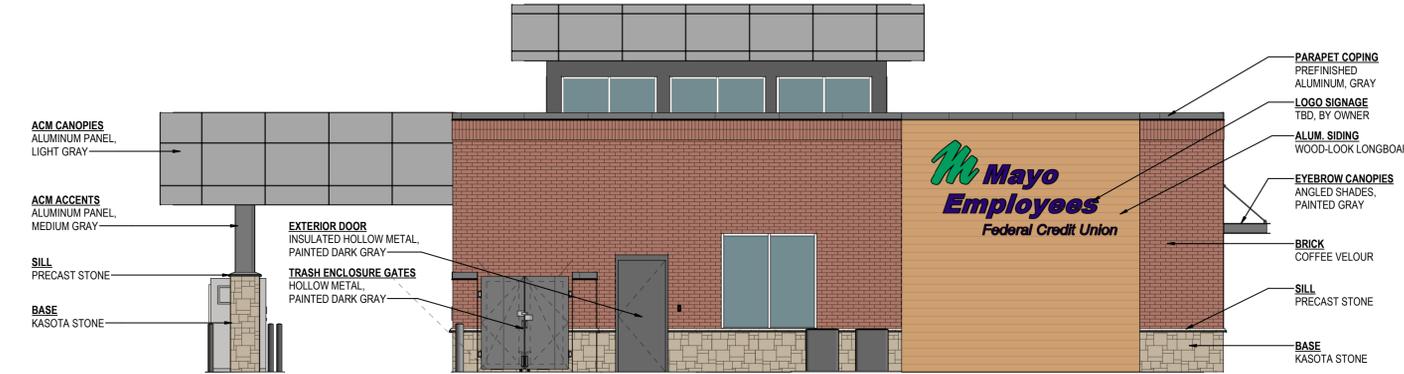
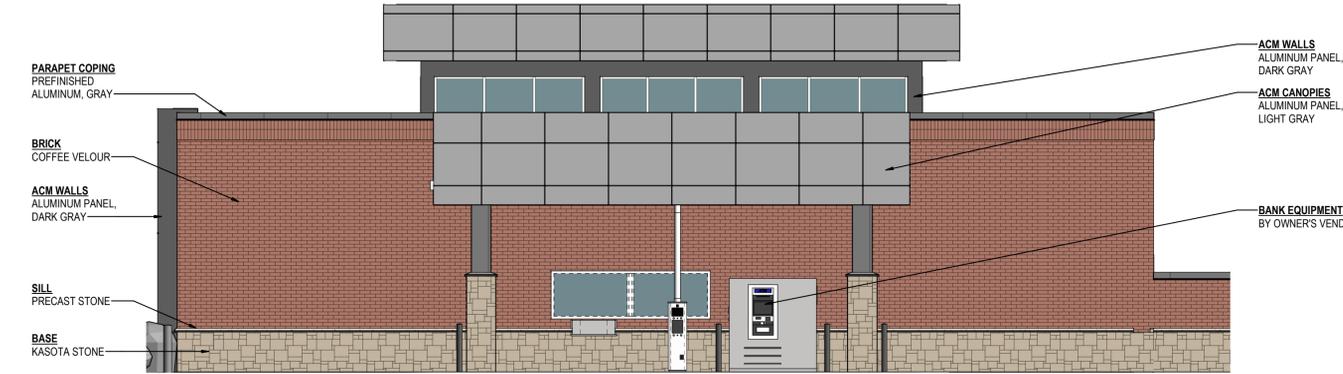
REFLECTED CEILING PLAN LEGEND			
	GYP. BD. CEILING SOFFIT w/ PAINT FINISH - SEE SPEC.		2'X2' RECESSED FLUORESCENT LT. FIXTURE
	ACT. 1 - 2'X2' SUSPENDED CEILING GRID w/ 2'X2' PAINTED MINERAL FIBER PANELS		2'X2' CEILING DIFFUSER - SEE MECHANICAL
	ACT. 2 - 2'X4' SUSPENDED CEILING GRID w/ 2'X4' PAINTED MINERAL FIBER PANELS		2'X2' CEILING RETURN - SEE MECHANICAL
	ACT. 3 - 4'X4' SUSPENDED CEILING GRID w/ 4'X4' PAINTED MINERAL FIBER PANELS		2'X2' CEILING DIFFUSER - SEE MECHANICAL
	8\"/>		JUNCTION BOX, CEILING MOUNTED
	8\"/>		CEILING MOUNTED FOURPLEX RECEPTACLE
	8\"/>		CEILING MOUNTED DUPLEX RECEPTACLE





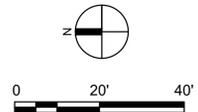
1 OPTION A - EXTERIOR ELEVATION - WEST
3/16" = 1'-0"

2 OPTION A - EXTERIOR ELEVATION - SOUTH
3/16" = 1'-0"



3 OPTION A - EXTERIOR ELEVATION - EAST
3/16" = 1'-0"

4 OPTION A - EXTERIOR ELEVATION - NORTH
3/16" = 1'-0"



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PROJECT

MAYO EMPLOYEES
CREDIT UNION

ADDITION/REMODELING

LA CROSSE, WI

ISSUED SET MARCH 02, 2026

REVISIONS

DATE NO.

Table with 2 columns: DATE, NO. for tracking revisions.

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.

NOT FOR CONSTRUCTION

ERIC SAUTBINE, P.E.

E-43034-6 03/02/2026
REG. NO. DATE



ANDERSON

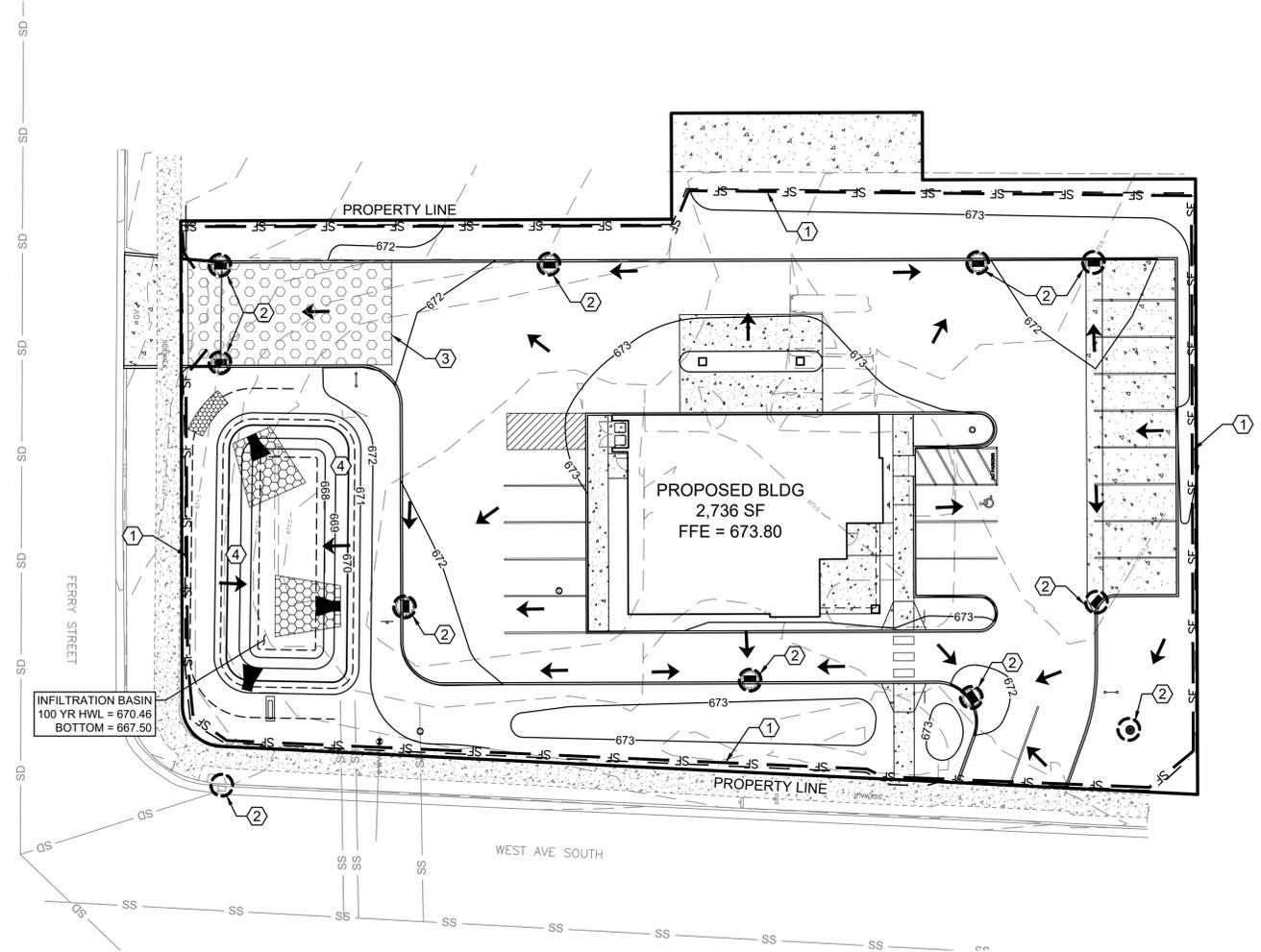
13605 1st Avenue N., #100
Plymouth, MN 55441 | ae-mn.com
P 763.412.4000 | F 763.412.4090
Anderson Engineering of Minnesota, LLC

EROSION &
SEDIMENT
CONTROL PLAN

DRAWN BY: BN

CHECKED BY: BF

C3



LEGEND

- PROPERTY LIMITS
- CONSTRUCTION LIMITS
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- DRAINAGE ARROW
- SILT FENCE
- INLET PROTECTION
- ROCK ENTRANCE
- BIO-ROLL

KEY NOTES

- 1. INSTALL AND MAINTAIN SILT FENCE PERIMETER SEDIMENT PROTECTION IN TURF AREAS. USE BIO-ROLLS AS NEED IN PAVED AREAS.
- 2. INSTALL AND MAINTAIN INLET SEDIMENT PROTECTION.
- 3. INSTALL TEMP ROCK ENTRANCE OR HARD SURFACE ASPHALT/CONCRETE AT CONSTRUCTION INGRESS & EGRESS LOCATION PRIOR TO EXCAVATION. MAINTAIN THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS.
- 4. INSTALL EROSION CONTROL BLANKET AND SEED ON FILTRATION BASIN SIDE SLOPES. INSTALL EROSION CONTROL BLANKET IN DITCH.

EROSION CONTROL NOTES

- 1. 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 WDNR AT LEAST 5 DAYS PRIOR TO FIELD IMPLEMENTATION.
- 4. THE 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 ROCK TRACKING PAD CONSTRUCTION ENTRANCE(S) PRIOR TO ANY LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING. USE WDNR TECHNICAL STANDARD STONE TRACKING PAD AND TIRE WASHING #1057 FOR ROCK 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 CONDUIT 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. (Rev. February 2017)
- 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. (Rev. February 2017)
- 13. COMPLETE AND STABILIZE SEDIMENT BASINS/TRAPS OR WET PONDS PRIOR TO MASS LAND DISTURBANCE TO CONTROL RUNOFF DURING CONSTRUCTION. REMOVE SEDIMENT AS NEEDED TO MAINTAIN 3 FEET OF DEPTH TO THE OUTLET, AND PROPERLY DISPOSE OF SEDIMENT REMOVED DURING MAINTENANCE (REFER TO NR 529). CONSTRUCT AND MAINTAIN THE SEDIMENT BASIN PER WDNR TECHNICAL STANDARD SEDIMENT BASIN #1064 AND SEDIMENT TRAP # 1063.
- 14. CONSTRUCT AND PROTECT THE BIOFILTRATION BASIN AND VEGETATION FROM RUNOFF AND SEDIMENT DURING CONSTRUCTION. REFERENCE THE WDNR TECHNICAL STANDARD BIORETENTION FOR INFILTRATION # 1004.
- 15. 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.
- 16. 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.
- 17. INSTALL AND MAINTAIN FILTER SOCKS IN ACCORDANCE WITH WDNR TECHNICAL STANDARD INTERIM MANUFACTURED

- PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS # 1071.
- 18. 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.
- 19. 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.
- 20. STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
- 21. 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 CITY OR OWNER. SEPARATE SWEEPED MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.
- 22. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES # 1068.
- 23. 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.
- 24. COORDINATE WITH THE OWNER TO UPDATE THE LAND DISTURBANCE PERMIT TO INDICATE THE ANTICIPATED OR LIKELY DISPOSAL LOCATIONS FOR ANY EXCAVATED SOILS OR CONSTRUCTION DEBRIS THAT WILL BE HAULED OFF-SITE FOR DISPOSAL. THE DEPOSITED OR STOCKPILED MATERIAL NEEDS TO INCLUDE PERIMETER SEDIMENT CONTROL MEASURES (SUCH AS SILT FENCE, HAY BALES, FILTER SOCKS, OR COMPACTED EARTHEN BERM).
- 25. FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES, PROVIDE CLASS [SPECIFY CLASS I, II, OR III] TYPE [SPECIFY TYPE A, B, OR C] EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WDOT'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD CHANNEL EROSION EROSION MAT #1052.
- 26. FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED AREAS, PROVIDE CLASS [SPECIFY CLASS I, II, OR III] TYPE [SPECIFY TYPE A, B, OR C] EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WDOT'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD CHANNEL EROSION MAT #1053.
- 27. 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.
- 28. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE WDNR REMEDIATION AND WASTE WATER MANAGEMENT REQUIREMENTS FOR HANDLING AND DISPOSING OF CONTAMINATED MATERIALS. SITE SPECIFIC INFORMATION FOR AREAS WITH KNOWN OR SUSPECTED SOIL AND/OR GROUNDWATER CONTAMINATION CAN BE FOUND ON WDNR'S BUREAU OF REMEDIATION AND REDEVELOPMENT TRACKING SYSTEM (BRRTS) PUBLIC DATABASE AT: <https://dnr.wi.gov/botw>
- 29. REFER TO THE SPILL PLAN IF THERE IS A DISCHARGE OF SEDIMENT AND/OR OTHER CONTAMINANTS. A SPILL PLAN IS REQUIRED IF THERE IS POTENTIAL TO DISCHARGE CONTAMINANTS TO WATERS OF THE STATE.
- 30. REFER TO THE FRAC OUT SPILL PLAN IF AN INADVERTENT DISCHARGE OF DRILLING FLUIDS ("FRAC OUT") OCCURS. A SPILL PLAN IS REQUIRED IF THERE IS POTENTIAL TO DISCHARGE CONTAMINANTS TO WATERS OF THE STATE.
- 31. INSTALL AND MAINTAIN A CONCRETE WASHOUT BASIN PER EPA 833-F-11-006 <https://www3.epa.gov/npdes/pub/concretewashout.pdf>. REQUIRE USE BY ALL CONCRETE CONTRACTORS. LIQUID MAY BE REUSED IN CONCRETE MIXING, EVAPORATED, OR DISPOSED OF AS WASTEWATER.

STORMWATER POLLUTION PREVENTION PLAN SCHEDULE OF INSTALLATION & MAINTENANCE

Table with 4 columns: ITEM, INSTALLATION, INSPECTION & MAINTENANCE, REMOVAL. Rows include SILT FENCE, ROCK CONST. ENTRANCE, SEED & MULCH, and INLET PROTECTION.

Storm Water Management Plan
Calculations & Summaries

Mayo Employees Credit Union
La Crosse, WI

Project No. 18994

March 02, 2026

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Wisconsin.

Eric Sautbine, P.E.

Reg. No. E-43034-6

Prepared By:
Anderson Engineering of MN, LLC
13605 1st Avenue North, Suite 100
Plymouth, MN 55441
Ph: 763.412.4000
Fax: 763.412.4090

Prepared For:
HTG Architects
1010 Mainstreet, Suite 100
Hopkins, MN 55343

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- Cover / Certification Page
- Table of Contents
- Project Overview
- Existing Site Conditions
- Soils
- Proposed Site Conditions
- Post Construction Management Devices
- Methodology
- Wisconsin DNR Rules & Regulations Compliance
- Summary

Appendix – Exhibits and Calculations

- A – Existing Drainage Map
- B – Proposed Drainage Map
- C – P8 Calculation Report
- D – HydroCAD
- E – Civil Plans
- F – Soil Map

Project Overview

Site redevelopment of the Mayo Employees Credit Union is proposed at 605 West Ave S, La Crosse, WI 54601. The parcel encompasses 0.82 acres. The project includes site clearing and demolishing the existing building, concrete and asphalt paving. Construction will include a new building, parking lot, and teller drive thru.

Existing Site Conditions

The 0.82 acre lot is bounded by Ferry St to the north, West Ave to the west, and residential lots to the south and east. The existing building has a finished floor of 673.25. The existing parking lot is located south of the building, the existing drive thru is on the east side of the building, and the driveway comes from the west off West Ave along the south of the parking lot and turns north through the drive thru up to Ferry St to the north. The site generally drains from the southeast corner to the north west corner. There is currently no storm sewer on site. An existing 12" storm sewer runs under Ferry Street and belongs to the city of La Crosse. The existing drainage pattern can be seen in **Exhibit A: Existing Drainage Map** within the appendices of this report.

Soils

A geotechnical report has not been conducted on the site yet and a soil report is not available at this time. Also a web soil survey could not be conducted as the area is only labelled as urban land and did not give additional information on soil composition. A soil map was provided of the area and shows the whole city of La Crosse as having Planview sand. With discussion with the city of La Crosse, the site should have good drainage sands consistent with the soil map provided. The soil map can be seen in **Exhibit F: Soil Map**.

To be conservative, we assumed the sand has loam in it and part of hydraulic soil group B. This soil is well drained and is considered suitable for infiltration practices with an infiltration rate of 0.5 in/hr per the Wisconsin DNR technical standard. Per the Wisconsin Admin code, redevelopment projects do not require infiltration practices but infiltration will help with TSS requirements discussed later in this report.

Proposed Site Conditions

The proposed redevelopment will consist of a new building with parking lots located north and south of the building and a teller drive thru to the east. The grades around the site will be around 2% in the parking lots and driveways. The building is proposed to have a finished floor elevation of 673.80. The site will generally flow from south to north. New 12" storm sewer will be installed throughout the site and be broken into 2 drainage areas. The east drainage area will include the south parking lot, the drive thru, and the north driveway. The west drainage area will include the building, half the south parking lot, the north parking lot and the west driveway. Both drainage areas will outlet into an infiltration pond located in the northwest corner of the site to be treated before heading into the city storm sewer system located along Ferry St. See **Exhibit B: Proposed Drainage Map** located in the appendices of this report.

Post construction Management Devices

The proposed redevelopment will include an infiltration basin located in the northwest corner of the property and will treat stormwater coming from the site before it enters the city storm sewer.

Methodology

P8 Urban Catchment Model - TSS

The project is redeveloping a previously developed site meaning only 40% total suspended solids (TSS) removal is required. The P8 Urban Catchment Modeling software was used to calculate TSS removal. The climate files for Wisconsin were used to determine rainfall events with the Madison location being the closest to La Crosse. The NURP 50 file was used for determining the TSS particle size.

Runoff from pervious and impervious surfaces were calculated separately by water shed area in order to more accurately model the runoff volume from the site surfaces. Results of this analysis are summarized below, and a report can be seen in **Exhibit C: P8 Calculations Report**.

HydroCAD – Peak Discharge

The Hydrologic characteristics of the site were modeled using HydroCAD software for peak discharge. TR55/TR20 methods were utilized. Existing and proposed drainage areas were determined via review of as-built data, current land survey data, and aerial photos.

The 2, 10, & 100-year frequency events were analyzed for peak runoff rate control in the existing and proposed conditions. The MSE-3 24-hr distribution was used in analysis. Storm frequency depths were determined by the City of La Crosse Guidelines using Atlas 14 data. Depths for the 2, 10, & 100-year storms were found to be 2.94”, 4.32”, and 7.31” respectively.

Runoff from pervious and impervious surfaces were calculated separately in order to more accurately model the runoff volume from the site surfaces. Results of this analysis are summarized below, and a report can be seen in **Exhibit D: HydroCAD Report**.

City of La Crosse Rules & Regulations

In addition to the rules described below, the proposed design and report will utilize those definitions and procedural requirements as described by the City of La Crosse Municipal Code Chapter 105 Section 61, and the Wisconsin DNR stormwater rules and regulations in the Wisconsin Administrative Code Section NR151 Ch3. The construction and stormwater management plans have also been designed to meet general standards described within the Stormwater Management Rule and Erosion Control Rule.

Table 1 below summarizes the watershed rules that are **not** applicable to this site and reasoning for exclusion:

Table 1: Non-Applicable DNR Watershed Rules	
NR151.105(1)(a) State Storm Water Management Plan	Disturbance under 1 acre
City 105-61(b)(4)d Infiltration	Redevelopment
City 105-61(b)(4)e Protective Areas	No disturbance of wetland or discharge to open waters
City 105-61(b)(4)f Fuel and Maintenance Area	No fueling or maintenance on site proposed
City 105-61(b)(4)g Swale treatment for transportation facilities	Project is not a transportation facility

Below is a summary of other applicable watershed rules and regulations have been met for this project:

Stormwater Management Rule

City 105-61(b)(4)a – Total Suspended Solids (TSS)

Criteria: Total suspended solids. BMPs shall be designed, installed and maintained to control total suspended solids carried in runoff from the post-construction site as follows: Redevelopment - 40 percent of load from parking areas and roads. The design shall be based on an average annual rainfall, as compared to no runoff management controls.

The P8 Urban Catchment Modeling software was used to calculate TSS. The software analyzed the proposed runoff without management controls and compared it to the proposed runoff with management controls.

Because we are using an infiltration basin in P8 for the control, we need to follow the Wisconsin DNR modeling post construction storm water treatment guide B.7 along with Technical Standard 1003. The standards allow P8 to keep 100% of TSS removal from infiltration, but only 50% from settling due to scouring for ponds that are 1.5’ deep.

In addition to the P8 calculation outputs in **Exhibit C**, See **Table 2** below for a summary of the results. The calculation breakdown in **Table 3** shows the allowed TSS removal per Modeling guide B7.

Table 2 – Annual Load TSS					
Variable: TSS	Loads(lbs)				
Mass Balance Term	OVERALL	North Storm Pipe	South Storm Pipe	Infiltration Basin	Offsite Storm
01 watershed inflows	336.26	136.22	180.53	0.24	19.27
02 upstream device	0.00	0.00	0.00	316.76	3.22
03 infiltrate	45.39	0.00	0.00	45.39	0.00
05 filtered	45.39	0.00	0.00	45.39	0.00
06 normal outlet	22.49	136.22	180.53	0.00	22.49
07 spillway outlet	0.00	0.00	0.00	3.22	0.00
08 sediment + decay	268.34	0.00	0.00	268.34	0.00
09 total inflow	336.26	136.22	180.53	316.99	22.49
10 surface outflow	22.49	136.22	180.53	3.22	22.49
12 total outflow	22.49	136.22	180.53	3.22	22.49
13 total trapped	313.73	0.00	0.00	313.73	0.00
14 storage increase	0.00	0.00	0.00	0.00	0.00
15 mass balance check	0.05	0.00	0.00	0.05	0.00
Load Reduction (%)	93.30	0.00	0.00	98.97	0.00

Table 3 – Annual TSS load	
<u>Site</u>	<u>TSS</u>
Proposed Conditions without Controls	336.26 lbs
100% Infiltration Removal	45.39 lbs
50% Sediment Removal	134.17 lbs
Total TSS Removal	179.56 lbs
Removal Efficiency	53.4%

City 105-61(b)(4)b – Peak Discharge (Rate Control)

Criteria: By design, BMPs shall be employed to maintain or reduce the two-year, 24-hour; and the ten-year, 24-hour post-construction peak runoff discharge rates to the two-year, 24-hour; and the ten-year, 24-hour pre-development peak runoff discharge rates respectively, or to the maximum extent practicable.

Rate control was analyzed for the 2, 10, and 100-year - 24 hour storm event. Existing condition rates and proposed rates were compared for the entire property area. Runoff rates for the proposed activity shall not exceed existing runoff rates for the 2 and 10-year critical storm. The 100-year storm is shown for information only and is not required to be decreased per the municipal code. Per **Exhibits A & B and Table 4**, impervious surface on site will increase. With an overall increase in impervious surface, further analysis was needed.

A full summary of the existing and proposed HydroCAD results can be found within **Exhibit D: HydroCAD Report** in the appendices of this report. Tabulations of the existing and proposed peak runoff rates can be found in **Table 5** shows that post development rates are held below existing conditions:

Table 4 – Impervious Areas	
<u>Site</u>	<u>TSS</u>
Existing Impervious Area	0.335 Ac
Proposed Impervious Area	0.498 Ac
Net Increase	0.163 Ac

Table 5: Rate Control Offsite		
Storm Event	Existing Rate (CFS) 1R	Post Development Rate (CFS) 10R
2-year	1.04	0.44
10-year	2.17	1.77
100-year	4.93	3.58

City 105-61(b)(4)c – Safe Outlet

Criteria: By design, the site shall provide for the safe passage of run-off from events up to and including the 100 year, 24-hour event. Safe passage implies buildings in and around the site will not be negatively impacted by run-off from the site.

The 100-year, 24 hour storm event will be retained by the infiltration basin. The 100-year high water level in the basin will reach 670.44' which is below the overflow elevation of 670.80'. This can be seen in **Exhibit D: HydroCAD Report**. The 100-year, 24 hour storm event will have safe passage through the infiltration basin and city storm sewer and will not negatively impact buildings in the area.

Erosion and Sediment Control Rule

A NDPES permit is not required with this project because the disturbed area is under 1 acre. If additional disturbances occur during construction, the contractor will be responsible for initiating a NDPES construction permit. Anderson Engineering completed an erosion control map for the city submittal for the contractor to use.

Summary

The site layout and final grades are designed to maintain the general drainage of the existing landscape. Within the project boundary, some changes to the existing drainage patterns are expected due to the proposed structures and other site improvements. The project design does not propose to make major changes to drainage divides. A new storm sewer system is designed to prevent as much storm water runoff to flow directly onto Ferry St and West Ave than the previous existing development while also lowering the peak discharge into the city storm system.

P8 Urban Catchment Model, Version 3.5				Run Date	02/19/26
Case	18994_MayoCU_LaCrosse_TypeB.p8c	FirstDate	10/11/80	Precip(in)	30.4
Title	Startup Case	LastDate	09/30/81	Rain(in)	28.02
PrecFile	Mdsn6095.pcp	Events	76	Snow(in)	2.33
PartFile	nurp50.p8p	TotalHrs	8406	TotalYrs	0.96

File Directory Y:\18900\18994 - HTG - MAYO EMPLOYEES CREDIT UNION - LA CROSSE WI_17 SWMP\03-P8\

Case Title	Startup Case
Case File	18994_MayoCU_LaCrosse_TypeB.p8c
Particle File	nurp50.p8p
Temperature File	madison_6190.tem
Storm File	Mdsn6095.pcp
Precip Scale Factor	1

Watersheds	4
Devices	4
Particles	5
WQ Components	7

Start Date	09/13/79
Keep Date	10/11/80
Stop Date	09/30/81
Storm Count	76
Total Hours	8406
Wet Hours	722
Precip (in)	30
Rain (in)	28
Snowfall (in)	2
Snowmelt (in)	2
EvapoTran(in)	23

Overall TSS Removal(%)	1
Water Balance Error(%)	0
TSS Mass Balance Error (%)	0

Case	18994_MayoCU_LaCrosse_TypeB.p8c	FirstDate	10/11/80	Precip(in)	30.4
Title	Startup Case	LastDate	09/30/81	Rain(in)	28.02
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Case Title	Startup Case
Case Data File	18994_MayoCU_LaCrosse_TypeB.p8c
Path	Y:\18900\18994 - HTG - MAYO EMPLOYEES CREDIT UNION - LA CROSSE WI\17 SWMP\03-P8\
Case Notes:	
Storm Data File	Mdsn6095.pcp
Particle File	nurp50.p8p
Air Temp File File	madison_6190.tem

Time Steps Per Hour	4
Minimum Inter-Event Time (hrs)	10
Maximum Continuity Error %	2
Rainfall Breakpoint (inches)	0.8
Precipitation Scale Factor	1
Air Temp Offset (deg-F)	0
Loops Thru Storm File	1
Simulation Dates	
Start	9/11/1979
Keep	10/11/1980
Stop	9/30/1981

Max Snowfall Temperature (deg-f)	32.0
SnowMelt Temperature (deg-f)	32.0
Snowmelt Coef (in/degF-Day)	0.06
Soil Freeze Temp (deg-F)	32.0
Snowmelt Abstraction Factor	1.00
Evapo-Trans. Calibration Factor	1.00
Growing Season Start Month	5
Growing Season End Month	10

5-Day Antecedent Rainfall + Runoff (inches)		
CN Antecedent Moisture Condition	AMC-II	AMC-III
Growing Season	1.40	2.10
NonGrowing Season	0.50	1.10

Watershed Data

Watershed Name	S2	S1	S3	S4		
Runoff to Device	South Storm Pipe	North Storm Pipe	Infiltration Basin	Offsite Storm		
Infiltration to Device						
Watershed Area	0.339	0.302	0.092	0.087		
SCS Curve Number (Pervious)	61	61	61	61		
Scale Factor for Pervious Runoff Load	1	1	1	1		
Indirectly Connected Imperv Fraction	0	0	0	0		

UnSwept Impervious Fraction	0.185	0	0	0		
UnSwept Depression Storage (inches)	0.08	0.02	0.02	0.02		
UnSwept Imperv. Runoff Coefficient	0.909	1	1	1		
UnSwept Scale Factor for Particle Loads	1	1	1	1		
Swept Impervious Fraction	0.59	0.635	0	0.31		
Swept Depression Storage (inches)	0.02	0.02	0.02	0.02		
Swept Imperv. Runoff Coefficient	0.973	0.973	1	0.973		
Swept Scale Factor for Particle Loads	1	1	1	1		
Sweeping Frequency	0	0	0	0		
Sweeping Efficiency	0	0	0	0		
Sweeping Start Date (MMDD)	101	101	101	101		
Sweeping Stop Date (MMDD)	1231	1231	1231	1231		

Device Data						
Device Name	Infiltration Basin	Offsite Storm	North Storm Pipe	South Storm Pipe		
Device Type	INF_BASIN	PIPE	PIPE	PIPE		
Infiltration Outlet						
Normal Outlet			Infiltration Basin	Infiltration Basin		
Spillway Outlet	Offsite Storm					
Particle Removal Scale Factor	1					
Bottom Elevation (ft)	668					
Bottom Area (acres)	0.015					
Permanent Pool Area (acres)						
Permanent Pool Volume (ac-ft)						
Perm Pool Infiltration Rate (in/hr)						
Flood Pool Area (acres)	0.036					
Flood Pool Volume (ac-ft)	0.051					
Flood Pool Infiltration Rate (in/hr)	0.5					
Infiltration Basin Void Fraction (%)	100					
Detention Pond Outlet Parameters						
Outlet Type						
Outlet Orifice Diameter (in)						
Orifice Discharge Coef						
Outlet Weir Length (ft)						
Weir Discharge Coef						
Perforated Riser Height (ft)						
Number of Holes in Riser						
Holes Diameter						
Flood Pool Drain Time (hrs)						
Swale Parameters						
Length of Flow Path (ft)						
Slope of Flow Path %						
Bottom Width (ft)						
Side Slope (ft-v/ft-h)						
Maximum Depth of Flow (ft)						
Mannings n Constant						
Hydraulic Model						
Pipe, Splitter, Aquifer Parameter						
Hydraulic Res. Time (hrs)		0	0	0		

Particle Data					
Particle File	nurp50.p8p				
Particle Class	P0%	P10%	P30%	P50%	P80%
Filtration Efficiency (%)	90	100	100	100	100
Settling Velocity (ft/hr)	0	0.03	0.3	1.5	15
First Order Decay Rate (1/day)	0	0	0	0	0
2nd Order Decay (1/day-ppm)	0	0	0	0	0
Impervious Runoff Conc (ppm)	1	0	0	0	0
Pervious Runoff Conc (ppm)	1	100	100	100	200
Pervious Conc Exponent	0	1	1	1	1
Accum. Rate (lbs-ac-day)	0	1.75	1.75	1.75	3.5
Particle Removal Rate (1/day)	0	0.25	0.25	0.25	0.25
Washoff Coefficient	0	20	20	20	20
Washoff Exponent	0	2	2	2	2
Sweeper Efficiency	0	0	0	5	15

Water Quality Component Data							
Component Name	TSS	TP	TKN	CU	PB	ZN	HC

Water Quality Criteria (ppm)							
	TSS	TP	TKN	CU	PB	ZN	HC
Level 1	5	0.025	2	2	0.02	5	0.1
Level 2	10	0.05	1	0.0048	0.014	0.0362	0.5
Level 3	20	0.1	0.5	0.02	0.15	0.38	1

Content Scale Factor	TSS	TP	TKN	CU	PB	ZN	HC
	1	1	1	1	1	1	1

Particle Composition (mg/kg)							
	TSS	TP	TKN	CU	PB	ZN	HC
P0%	0	99000	600000	13600	2000	64000	250000
P10%	1000000	3850	15000	340	180	1600	22500
P30%	1000000	3850	15000	340	180	1600	22500
P50%	1000000	3850	15000	340	180	1600	22500
P80%	1000000	0	0	340	180	0	22500

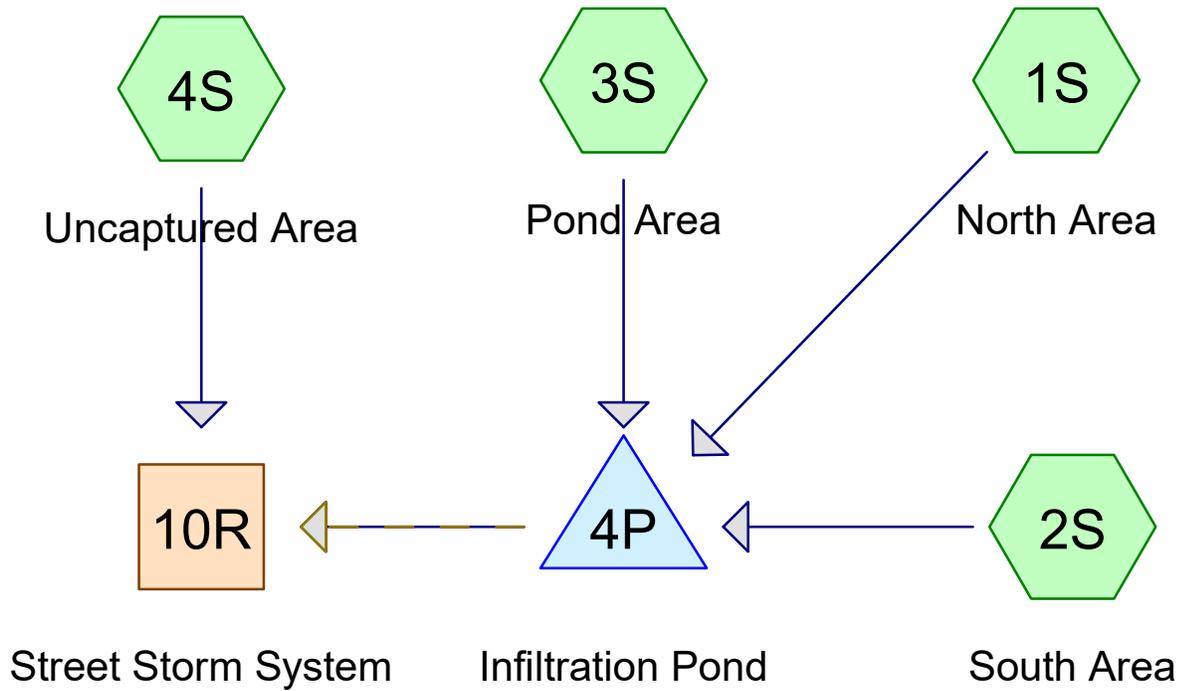
P8 Urban Catchment Model, Version 3.5

Run Date 02/19/26

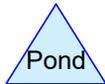
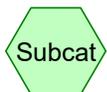
Case	18994_MayoCU_LaCrosse_TypeB.p8c	FirstDate	10/11/80	Precip(in)	30.4
Title	Startup Case	LastDate	09/30/81	Rain(in)	28.02
PrecFile	Mdsn6095.pcp	Events	76	Snow(in)	2.33
PartFile	nurp50.p8p	TotalHrs	8406	TotalYrs	0.96

Devices Listed in Downstream Order

Device:	North Storm Pipe	Type:	PIPE
	Discharges normal outlet to		Infiltration Basin
	Runoff from watershed		S1
Device:	South Storm Pipe	Type:	PIPE
	Discharges normal outlet to		Infiltration Basin
	Runoff from watershed		S2
Device:	Infiltration Basin	Type:	INF_BASIN
	Discharges spillway to		Offsite Storm
	Runoff from watershed		S3
Device:	Offsite Storm	Type:	PIPE
	Runoff from watershed		S4



PROPOSED



Routing Diagram for 18994_MayoCU_LaCrosse
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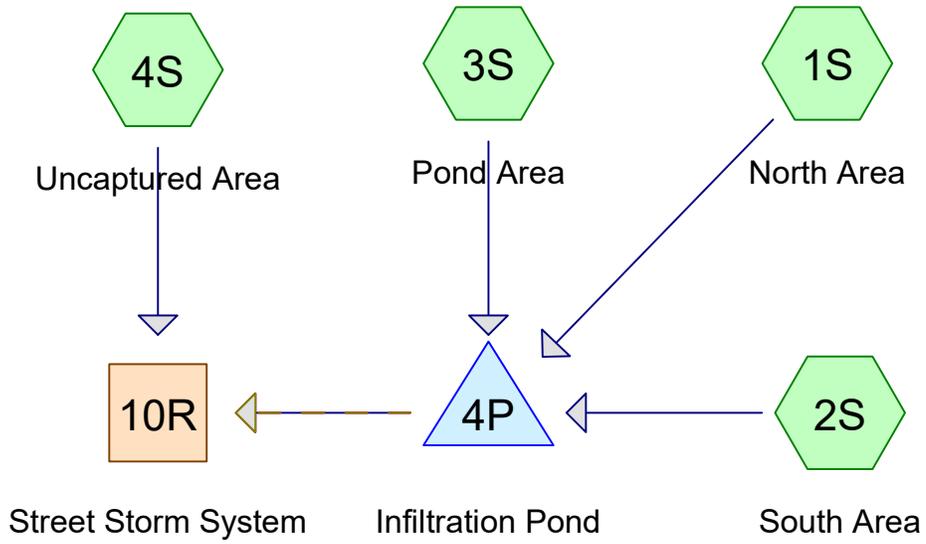
P8 Urban Catchment Model, Version 3.5

Case	18994_MayoCU_LaCrosse_TypeB.p8c	FirstDate	10/11/80	Run Date	02/19/26
Title	Startup Case	LastDate	09/30/81	Precip(in)	30.4
PrecFile	Mdsn6095.pcp	Events	76	Rain(in)	28.02
PartFile	nurp50.p8p	TotalHrs	8406	Snow(in)	2.33
				TotalYrs	0.96

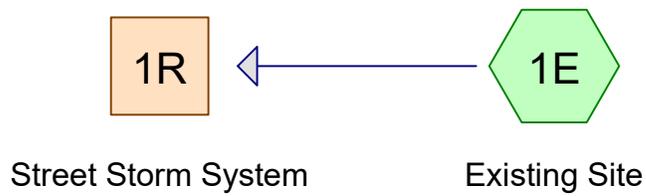
Mass Balances by Variable

Variable: Flow	Flow ac-ft									
	OVERALL	North Storm Pipe	South Storm Pipe	Infiltration Basin	Offsite Storm	OVERALL	North Storm Pipe	South Storm Pipe	Infiltration Basin	Offsite Storm
01 watershed inflows	1.12	0.46	0.60	0.00	0.07					
02 upstream device	0.00	0.00	0.00	1.05	0.07					
03 infiltrate	0.99	0.00	0.00	0.99	0.00					
04 exfiltrate	0.99	0.00	0.00	0.99	0.00					
06 normal outlet	0.14	0.46	0.60	0.00	0.14					
07 spillway outlet	0.00	0.00	0.00	0.07	0.00					
09 total inflow	1.12	0.46	0.60	1.06	0.14					
10 surface outflow	0.14	0.46	0.60	0.07	0.14					
11 groundw outflow	0.99	0.00	0.00	0.99	0.00					
12 total outflow	1.12	0.46	0.60	1.06	0.14					
14 storage increase	0.00	0.00	0.00	0.00	0.00					
15 mass balance check	0.00	0.00	0.00	0.00	0.00					
Load Reduction (%)	0.00	0.00	0.00	0.00	0.00					

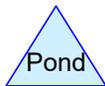
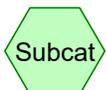
Variable: TSS	Loads(lbs)					Concs (ppm)				
	OVERALL	North Storm Pipe	South Storm Pipe	Infiltration Basin	Offsite Storm	OVERALL	North Storm Pipe	South Storm Pipe	Infiltration Basin	Offsite Storm
01 watershed inflows	336.26	136.22	180.53	0.24	19.27	110.27	110.01	110.91	37.34	108.76
02 upstream device	0.00	0.00	0.00	316.76	3.22				110.52	16.88
03 infiltrate	45.39	0.00	0.00	45.39	0.00	16.93			16.93	
05 filtered	45.39	0.00	0.00	45.39	0.00					
06 normal outlet	22.49	136.22	180.53	0.00	22.49	61.16	110.01	110.91		61.16
07 spillway outlet	0.00	0.00	0.00	3.22	0.00				16.88	
08 sedimen + decay	268.34	0.00	0.00	268.34	0.00					
09 total inflow	336.26	136.22	180.53	316.99	22.49	110.27	110.01	110.91	110.36	61.16
10 surface outflow	22.49	136.22	180.53	3.22	22.49	61.16	110.01	110.91	16.88	61.16
12 total outflow	22.49	136.22	180.53	3.22	22.49	7.37	110.01	110.91	1.12	61.16
13 total trapped	313.73	0.00	0.00	313.73	0.00					
14 storage increase	0.00	0.00	0.00	0.00	0.00					
15 mass balance check	0.05	0.00	0.00	0.05	0.00					
Load Reduction (%)	93.30	0.00	0.00	98.97	0.00					



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EXISTING



Routing Diagram for 18994_MayoCU_LaCrosse
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18994_MayoCU_LaCrosse

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Page 1

Area Listing (selected nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.485	61	>75% Grass cover, Good, HSG B (1E)
0.335	98	Paved parking, HSG B (1E)

18994_MayoCU_LaCrosse

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Soil Listing (selected nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
0.820	HSG B	1E
0.000	HSG C	
0.000	HSG D	
0.000	Other	

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Ground Covers (selected nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	0.485	0.000	0.000	0.000	0.485	>75% Grass cover, Good	1E
0.000	0.335	0.000	0.000	0.000	0.335	Paved parking	1E

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MSE 24-hr 4 2-Year Rainfall=2.94"

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Page 4

Time span=5.00-24.00 hrs, dt=0.05 hrs, 381 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1E: Existing Site

Runoff Area=35,720 sf 40.90% Impervious Runoff Depth>0.97"
Tc=10.0 min CN=76 Runoff=1.04 cfs 0.067 af

Reach 1R: Street Storm System

Inflow=1.04 cfs 0.067 af
Outflow=1.04 cfs 0.067 af

Summary for Subcatchment 1E: Existing Site

Runoff = 1.04 cfs @ 12.19 hrs, Volume= 0.067 af, Depth> 0.97"
 Routed to Reach 1R : Street Storm System

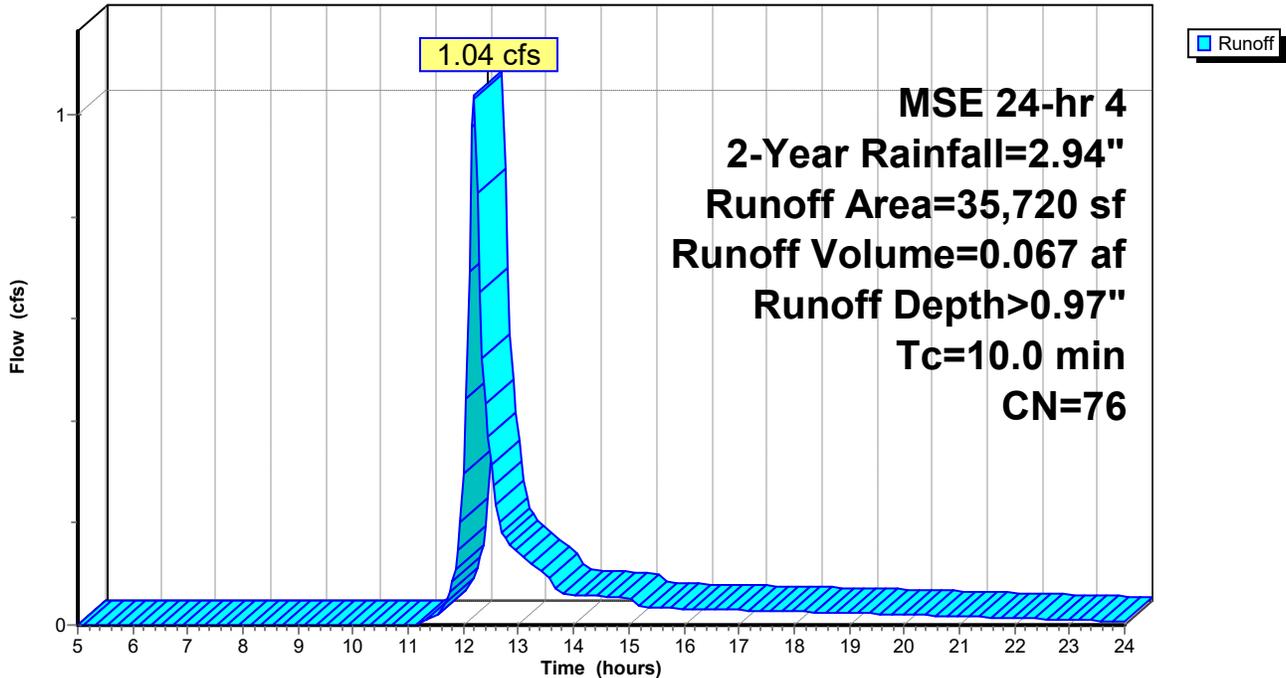
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
 MSE 24-hr 4 2-Year Rainfall=2.94"

Area (sf)	CN	Description
21,110	61	>75% Grass cover, Good, HSG B
14,610	98	Paved parking, HSG B
35,720	76	Weighted Average
21,110		59.10% Pervious Area
14,610		40.90% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, Small Drainage Area

Subcatchment 1E: Existing Site

Hydrograph

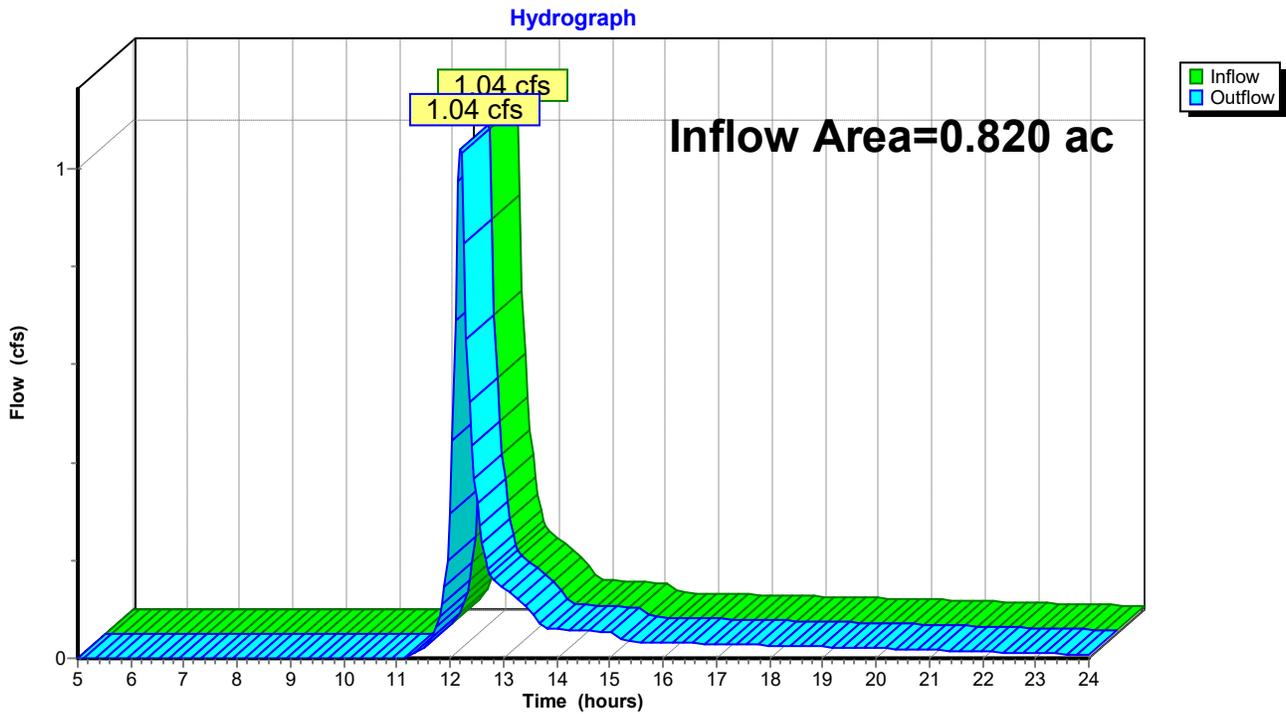


Summary for Reach 1R: Street Storm System

Inflow Area = 0.820 ac, 40.90% Impervious, Inflow Depth > 0.97" for 2-Year event
Inflow = 1.04 cfs @ 12.19 hrs, Volume= 0.067 af
Outflow = 1.04 cfs @ 12.19 hrs, Volume= 0.067 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs

Reach 1R: Street Storm System



18994_MayoCU_LaCrosse

MSE 24-hr 4 10-Year Rainfall=4.32"

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Page 7

Time span=5.00-24.00 hrs, dt=0.05 hrs, 381 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1E: Existing Site

Runoff Area=35,720 sf 40.90% Impervious Runoff Depth>1.99"
Tc=10.0 min CN=76 Runoff=2.17 cfs 0.136 af

Reach 1R: Street Storm System

Inflow=2.17 cfs 0.136 af
Outflow=2.17 cfs 0.136 af

Summary for Subcatchment 1E: Existing Site

Runoff = 2.17 cfs @ 12.18 hrs, Volume= 0.136 af, Depth> 1.99"
 Routed to Reach 1R : Street Storm System

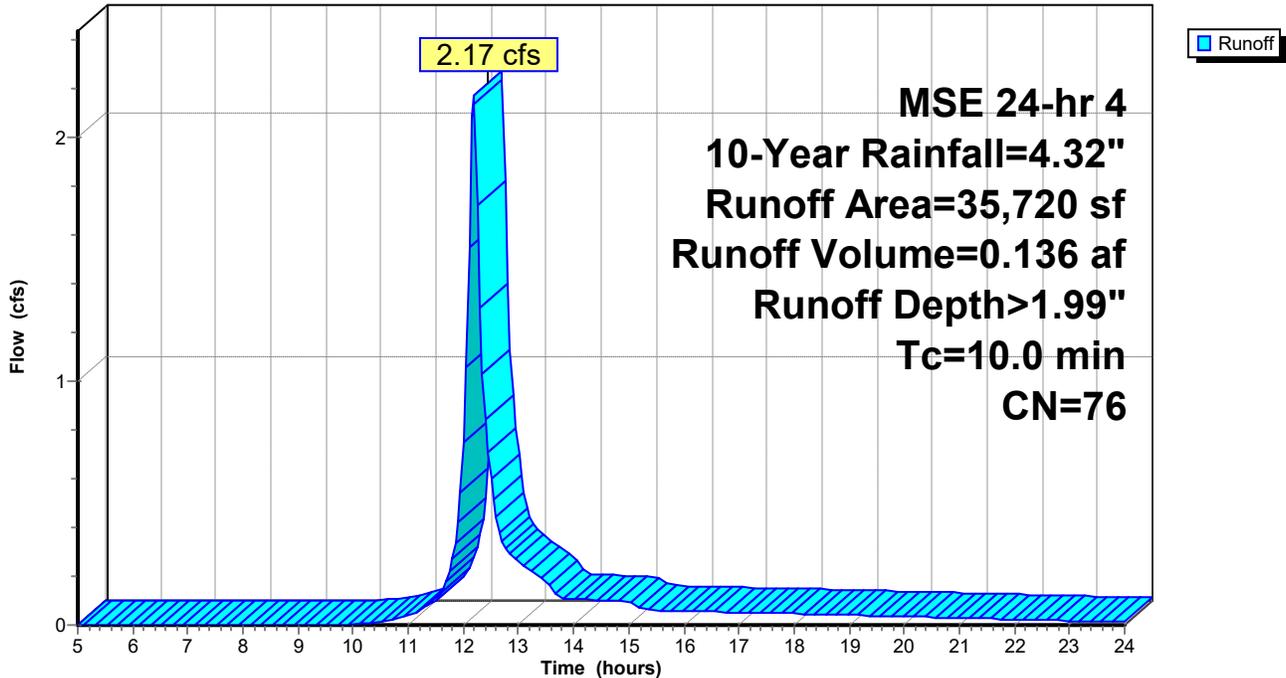
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
 MSE 24-hr 4 10-Year Rainfall=4.32"

Area (sf)	CN	Description
21,110	61	>75% Grass cover, Good, HSG B
14,610	98	Paved parking, HSG B
35,720	76	Weighted Average
21,110		59.10% Pervious Area
14,610		40.90% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, Small Drainage Area

Subcatchment 1E: Existing Site

Hydrograph

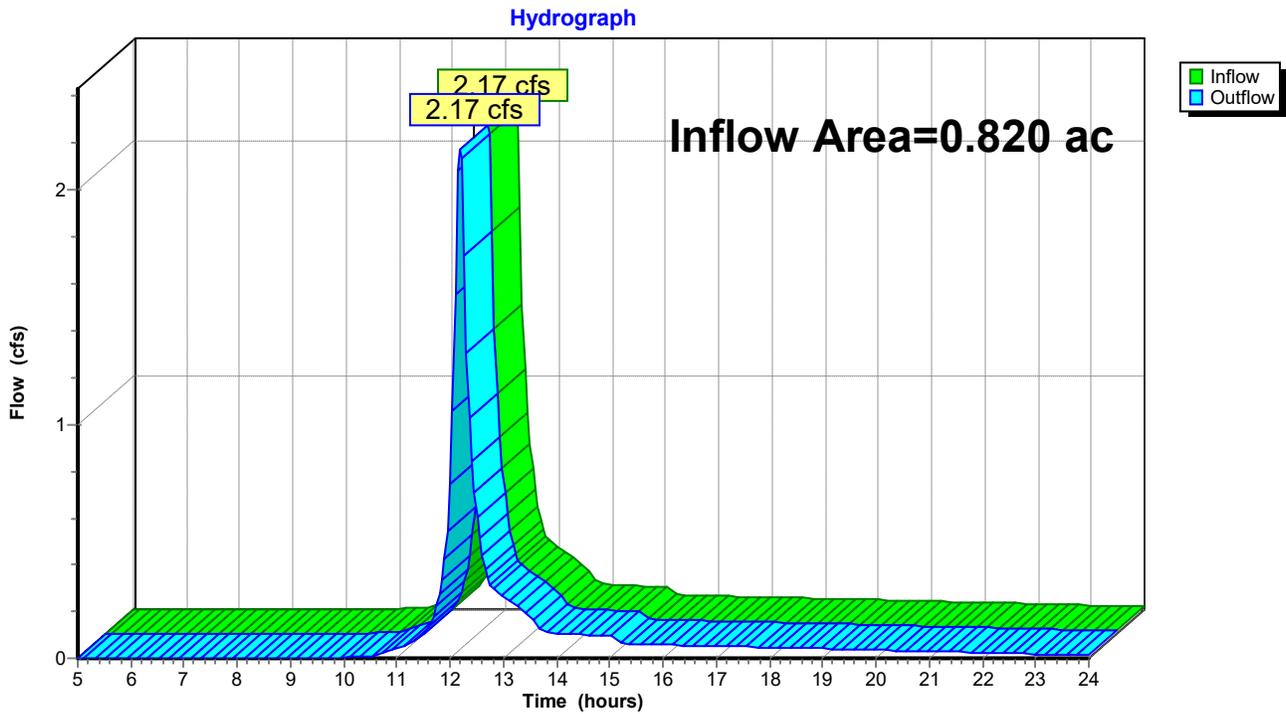


Summary for Reach 1R: Street Storm System

Inflow Area = 0.820 ac, 40.90% Impervious, Inflow Depth > 1.99" for 10-Year event
Inflow = 2.17 cfs @ 12.18 hrs, Volume= 0.136 af
Outflow = 2.17 cfs @ 12.18 hrs, Volume= 0.136 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs

Reach 1R: Street Storm System



18994_MayoCU_LaCrosse

MSE 24-hr 4 100-Year Rainfall=7.31"

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Time span=5.00-24.00 hrs, dt=0.05 hrs, 381 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1E: Existing Site

Runoff Area=35,720 sf 40.90% Impervious Runoff Depth>4.53"
Tc=10.0 min CN=76 Runoff=4.93 cfs 0.310 af

Reach 1R: Street Storm System

Inflow=4.93 cfs 0.310 af
Outflow=4.93 cfs 0.310 af

Summary for Subcatchment 1E: Existing Site

Runoff = 4.93 cfs @ 12.17 hrs, Volume= 0.310 af, Depth> 4.53"
 Routed to Reach 1R : Street Storm System

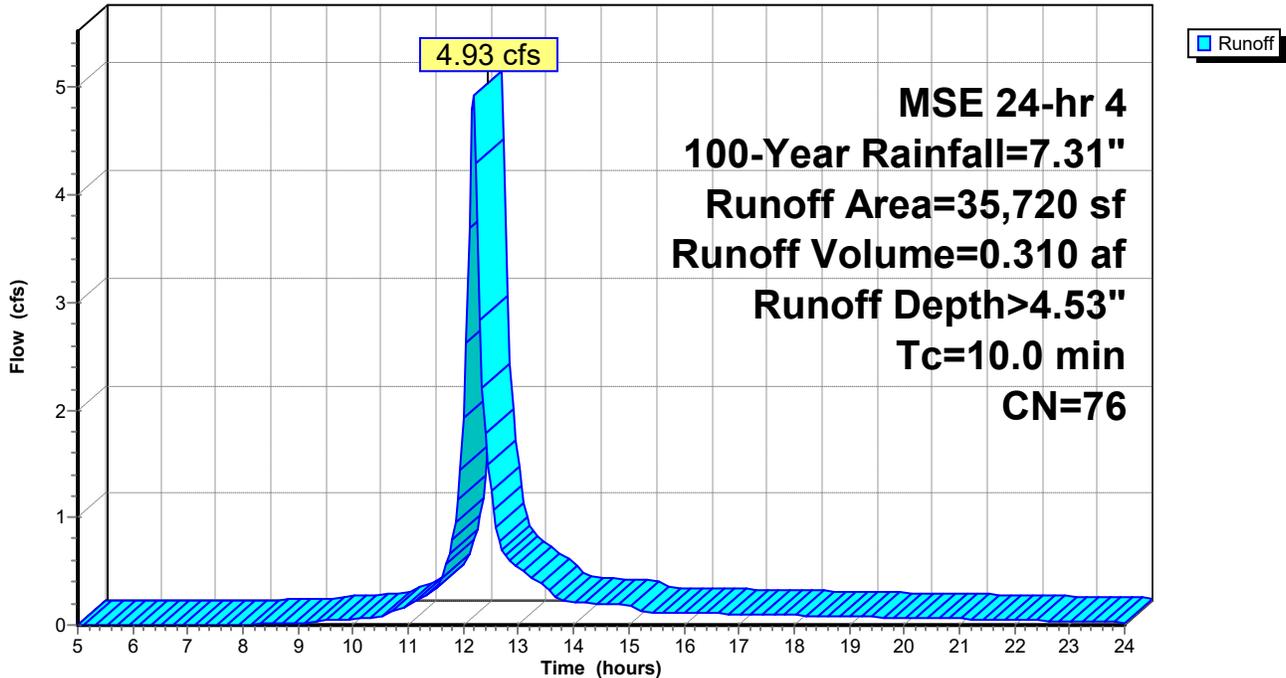
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
 MSE 24-hr 4 100-Year Rainfall=7.31"

Area (sf)	CN	Description
21,110	61	>75% Grass cover, Good, HSG B
14,610	98	Paved parking, HSG B
35,720	76	Weighted Average
21,110		59.10% Pervious Area
14,610		40.90% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, Small Drainage Area

Subcatchment 1E: Existing Site

Hydrograph

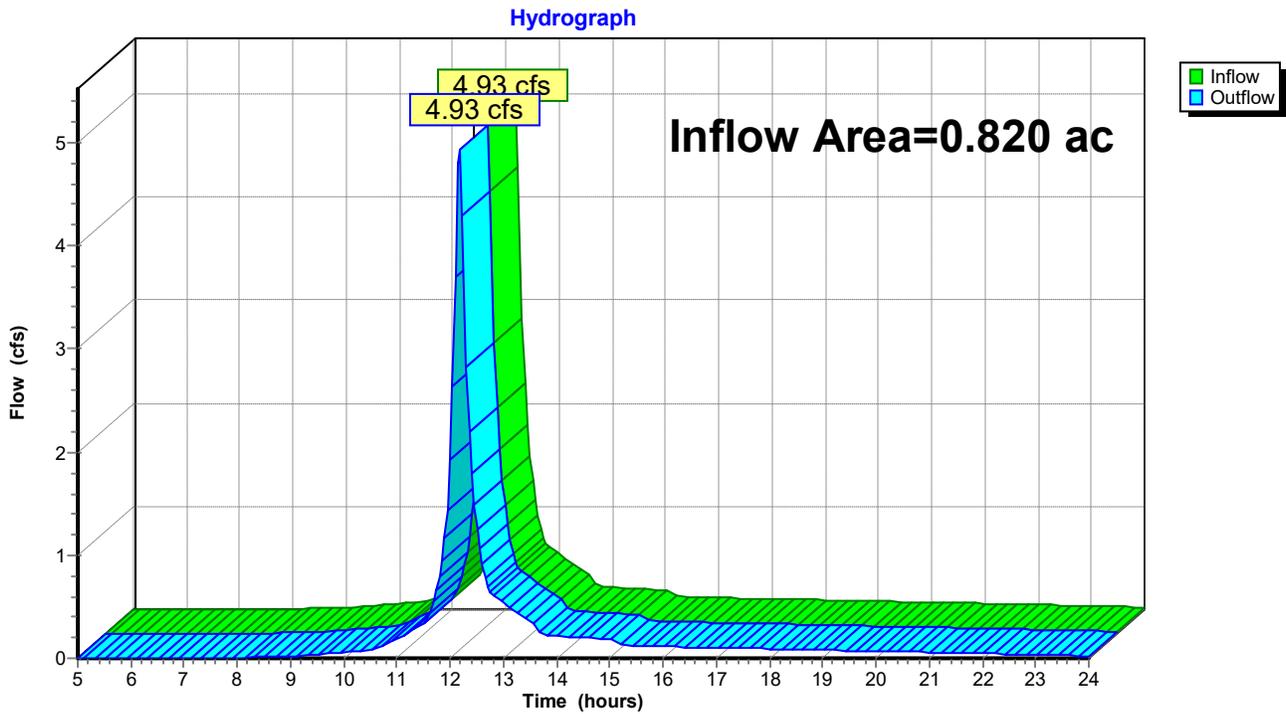


Summary for Reach 1R: Street Storm System

Inflow Area = 0.820 ac, 40.90% Impervious, Inflow Depth > 4.53" for 100-Year event
Inflow = 4.93 cfs @ 12.17 hrs, Volume= 0.310 af
Outflow = 4.93 cfs @ 12.17 hrs, Volume= 0.310 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs

Reach 1R: Street Storm System



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Area Listing (selected nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.322	61	>75% Grass cover, Good, HSG B (1S, 2S, 3S, 4S)
0.435	98	Paved parking, HSG B (1S, 2S, 4S)
0.063	98	Roofs, HSG B (2S)

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Soil Listing (selected nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
0.820	HSG B	1S, 2S, 3S, 4S
0.000	HSG C	
0.000	HSG D	
0.000	Other	

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Ground Covers (selected nodes)

HSG-A (acres)	HSG-B (acres)	HSG-C (acres)	HSG-D (acres)	Other (acres)	Total (acres)	Ground Cover	Subcatchment Numbers
0.000	0.322	0.000	0.000	0.000	0.322	>75% Grass cover, Good	1S, 2S, 3S, 4S
0.000	0.435	0.000	0.000	0.000	0.435	Paved parking	1S, 2S, 4S
0.000	0.063	0.000	0.000	0.000	0.063	Roofs	2S

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Pipe Listing (selected nodes)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Width (inches)	Diam/Height (inches)	Inside-Fill (inches)	Node Name
1	4P	669.00	667.32	30.0	0.0560	0.012	0.0	12.0	0.0	

Time span=5.00-24.00 hrs, dt=0.05 hrs, 381 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: North Area Runoff Area=13,167 sf 68.38% Impervious Runoff Depth>1.61"
Tc=10.0 min CN=86 Runoff=0.65 cfs 0.041 af

Subcatchment 2S: South Area Runoff Area=14,779 sf 77.86% Impervious Runoff Depth>1.93"
Tc=10.0 min CN=90 Runoff=0.86 cfs 0.055 af

Subcatchment 3S: Pond Area Runoff Area=3,988 sf 0.00% Impervious Runoff Depth>0.34"
Tc=10.0 min CN=61 Runoff=0.03 cfs 0.003 af

Subcatchment 4S: Uncaptured Area Runoff Area=3,788 sf 31.05% Impervious Runoff Depth>0.77"
Tc=10.0 min CN=72 Runoff=0.08 cfs 0.006 af

Reach 10R: Street Storm System Inflow=0.44 cfs 0.050 af
Outflow=0.44 cfs 0.050 af

Pond 4P: Infiltration Pond Peak Elev=669.34' Storage=1,996 cf Inflow=1.53 cfs 0.098 af
Discarded=0.02 cfs 0.018 af Primary=0.41 cfs 0.045 af Secondary=0.00 cfs 0.000 af Outflow=0.43 cfs 0.063 af

Summary for Subcatchment 1S: North Area

Runoff = 0.65 cfs @ 12.18 hrs, Volume= 0.041 af, Depth> 1.61"
 Routed to Pond 4P : Infiltration Pond

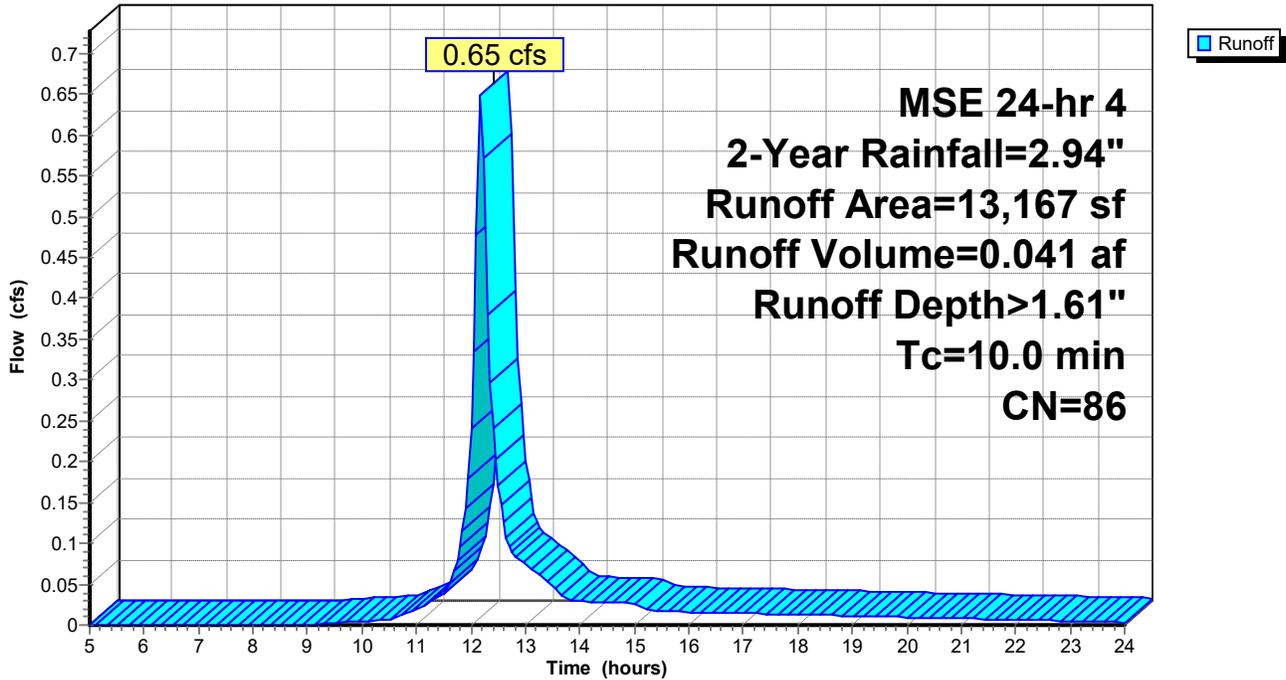
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
 MSE 24-hr 4 2-Year Rainfall=2.94"

Area (sf)	CN	Description
9,003	98	Paved parking, HSG B
4,164	61	>75% Grass cover, Good, HSG B
13,167	86	Weighted Average
4,164		31.62% Pervious Area
9,003		68.38% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, Small Drainage Area

Subcatchment 1S: North Area

Hydrograph



Summary for Subcatchment 2S: South Area

Runoff = 0.86 cfs @ 12.17 hrs, Volume= 0.055 af, Depth> 1.93"
 Routed to Pond 4P : Infiltration Pond

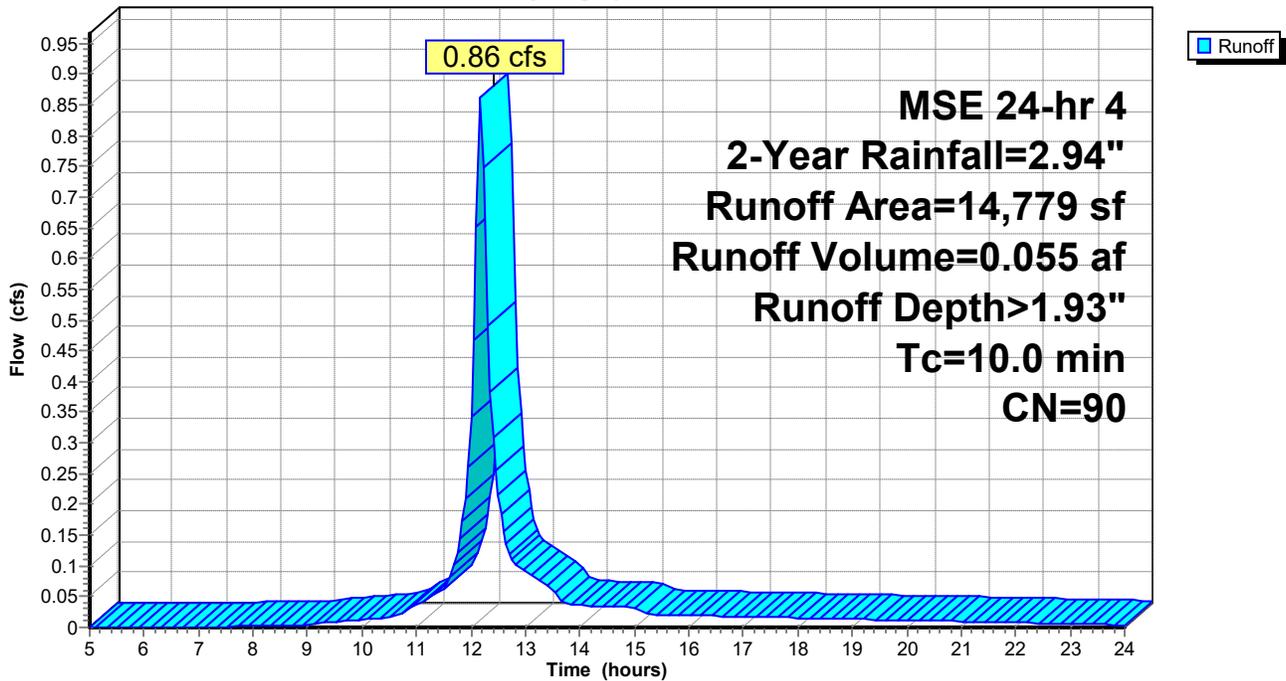
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
 MSE 24-hr 4 2-Year Rainfall=2.94"

Area (sf)	CN	Description
2,735	98	Roofs, HSG B
8,772	98	Paved parking, HSG B
3,272	61	>75% Grass cover, Good, HSG B
14,779	90	Weighted Average
3,272		22.14% Pervious Area
11,507		77.86% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, Small Drainage Area

Subcatchment 2S: South Area

Hydrograph



Summary for Subcatchment 3S: Pond Area

Runoff = 0.03 cfs @ 12.22 hrs, Volume= 0.003 af, Depth> 0.34"
 Routed to Pond 4P : Infiltration Pond

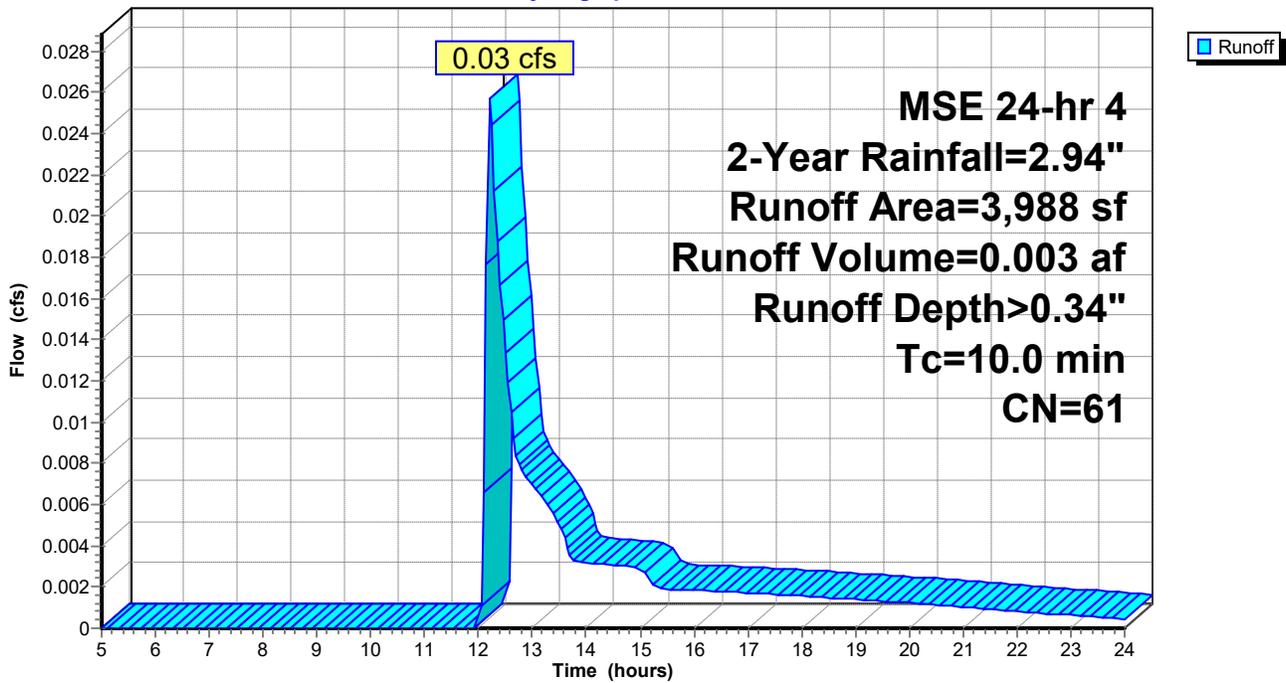
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
 MSE 24-hr 4 2-Year Rainfall=2.94"

Area (sf)	CN	Description
3,988	61	>75% Grass cover, Good, HSG B
3,988		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, Small Drainage Area

Subcatchment 3S: Pond Area

Hydrograph



Summary for Subcatchment 4S: Uncaptured Area

Runoff = 0.08 cfs @ 12.19 hrs, Volume= 0.006 af, Depth> 0.77"
 Routed to Reach 10R : Street Storm System

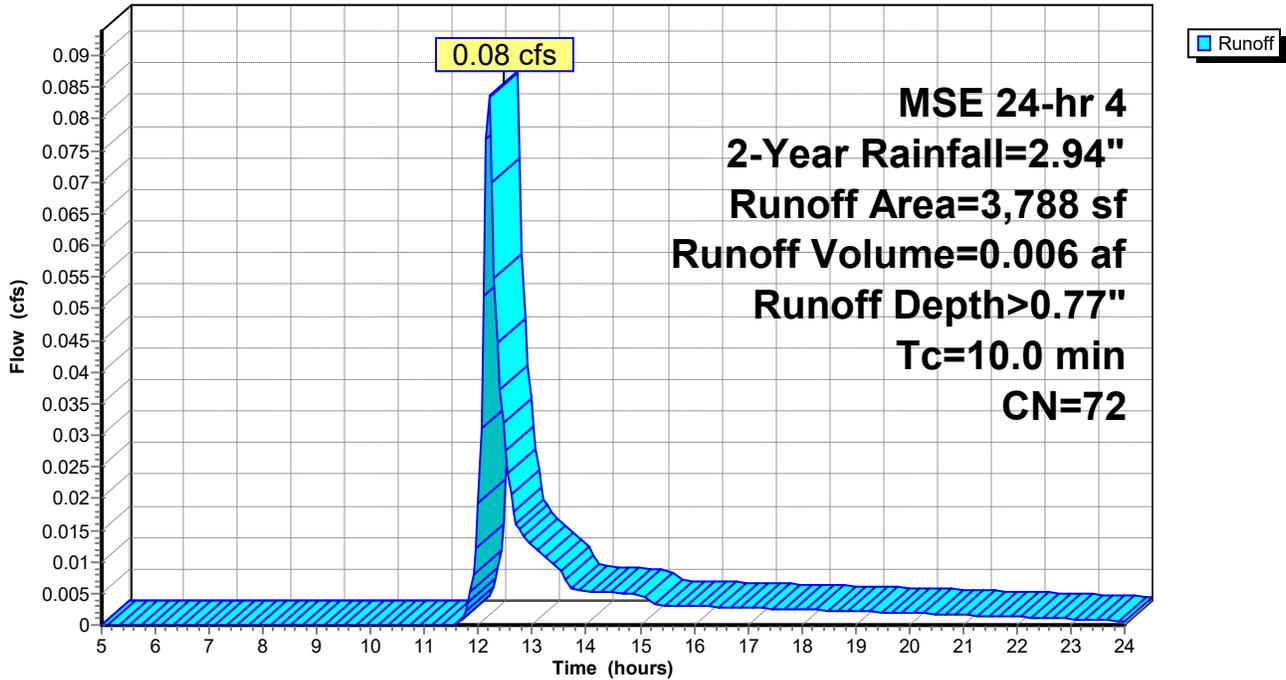
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
 MSE 24-hr 4 2-Year Rainfall=2.94"

Area (sf)	CN	Description
1,176	98	Paved parking, HSG B
2,612	61	>75% Grass cover, Good, HSG B
3,788	72	Weighted Average
2,612		68.95% Pervious Area
1,176		31.05% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, Small Drainage Area

Subcatchment 4S: Uncaptured Area

Hydrograph



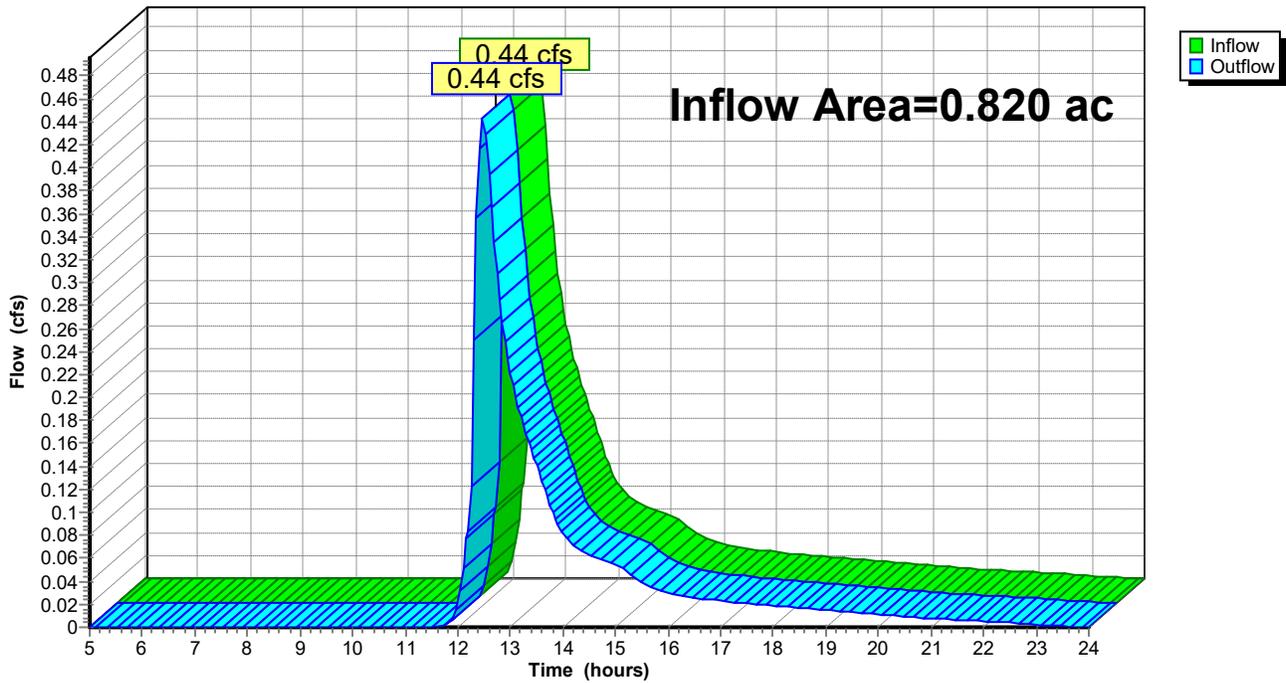
Summary for Reach 10R: Street Storm System

Inflow Area = 0.820 ac, 60.71% Impervious, Inflow Depth > 0.74" for 2-Year event
Inflow = 0.44 cfs @ 12.47 hrs, Volume= 0.050 af
Outflow = 0.44 cfs @ 12.47 hrs, Volume= 0.050 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs

Reach 10R: Street Storm System

Hydrograph



Summary for Pond 4P: Infiltration Pond

Inflow Area = 0.733 ac, 64.23% Impervious, Inflow Depth > 1.60" for 2-Year event
 Inflow = 1.53 cfs @ 12.18 hrs, Volume= 0.098 af
 Outflow = 0.43 cfs @ 12.48 hrs, Volume= 0.063 af, Atten= 72%, Lag= 18.3 min
 Discarded = 0.02 cfs @ 12.48 hrs, Volume= 0.018 af
 Primary = 0.41 cfs @ 12.48 hrs, Volume= 0.045 af
 Routed to Reach 10R : Street Storm System
 Secondary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
 Routed to Reach 10R : Street Storm System

Routing by Stor-Ind method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
 Peak Elev= 669.34' @ 12.48 hrs Surf.Area= 1,510 sf Storage= 1,996 cf

Plug-Flow detention time= 175.2 min calculated for 0.063 af (65% of inflow)
 Center-of-Mass det. time= 86.8 min (898.1 - 811.3)

Volume	Invert	Avail.Storage	Storage Description
#1	667.50'	5,193 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
667.50	660	0	0
670.00	1,815	3,094	3,094
671.00	2,383	2,099	5,193

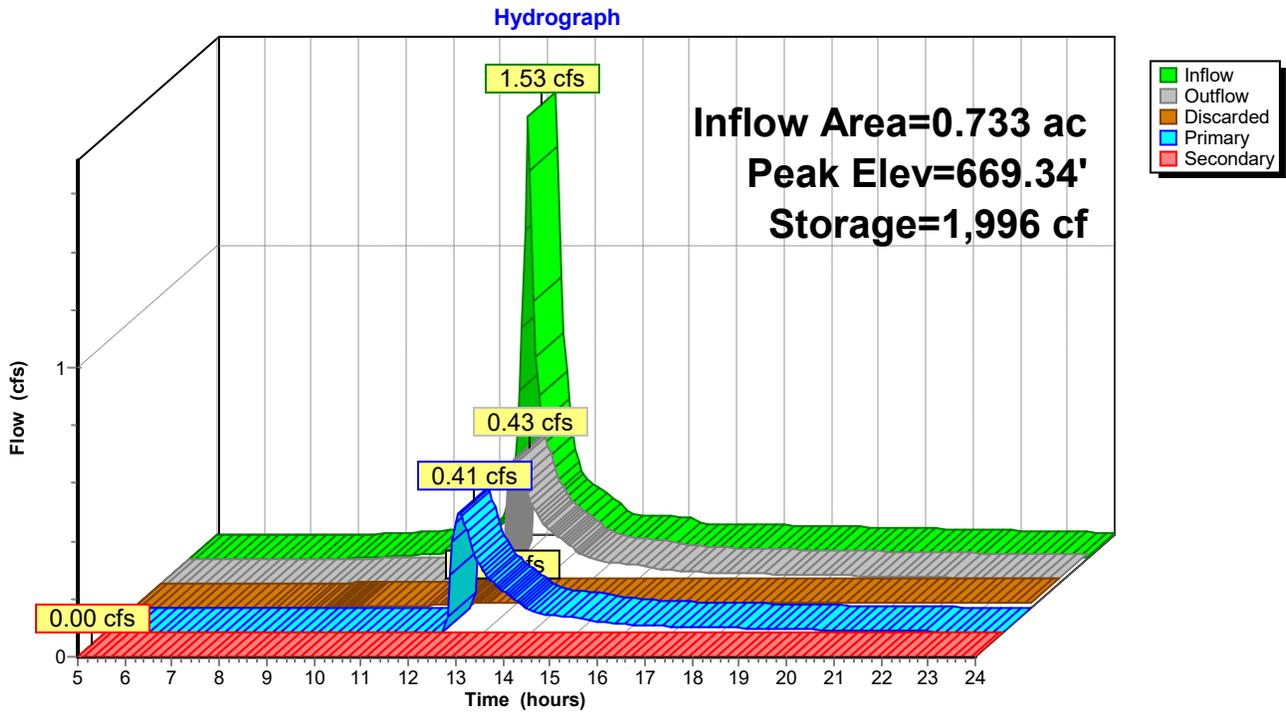
Device	Routing	Invert	Outlet Devices
#1	Secondary	670.80'	4.0' long x 4.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.38 2.54 2.69 2.68 2.67 2.67 2.65 2.66 2.66 2.68 2.72 2.73 2.76 2.79 2.88 3.07 3.32
#2	Primary	669.00'	12.0" Round RCP_Round 12" L= 30.0' RCP, mitered to conform to fill, Ke= 0.700 Inlet / Outlet Invert= 669.00' / 667.32' S= 0.0560 '/' Cc= 0.900 n= 0.012 Concrete pipe, finished, Flow Area= 0.79 sf
#3	Discarded	667.50'	0.500 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 620.00'

Discarded OutFlow Max=0.02 cfs @ 12.48 hrs HW=669.34' (Free Discharge)
 ↑3=Exfiltration (Controls 0.02 cfs)

Primary OutFlow Max=0.41 cfs @ 12.48 hrs HW=669.34' (Free Discharge)
 ↑2=RCP_Round 12" (Inlet Controls 0.41 cfs @ 1.75 fps)

Secondary OutFlow Max=0.00 cfs @ 5.00 hrs HW=667.50' (Free Discharge)
 ↑1=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Pond 4P: Infiltration Pond



Time span=5.00-24.00 hrs, dt=0.05 hrs, 381 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: North Area Runoff Area=13,167 sf 68.38% Impervious Runoff Depth>2.84"
Tc=10.0 min CN=86 Runoff=1.13 cfs 0.071 af

Subcatchment 2S: South Area Runoff Area=14,779 sf 77.86% Impervious Runoff Depth>3.22"
Tc=10.0 min CN=90 Runoff=1.41 cfs 0.091 af

Subcatchment 3S: Pond Area Runoff Area=3,988 sf 0.00% Impervious Runoff Depth>0.98"
Tc=10.0 min CN=61 Runoff=0.11 cfs 0.007 af

Subcatchment 4S: Uncaptured Area Runoff Area=3,788 sf 31.05% Impervious Runoff Depth>1.69"
Tc=10.0 min CN=72 Runoff=0.19 cfs 0.012 af

Reach 10R: Street Storm System Inflow=1.77 cfs 0.127 af
Outflow=1.77 cfs 0.127 af

Pond 4P: Infiltration Pond Peak Elev=669.75' Storage=2,654 cf Inflow=2.64 cfs 0.170 af
Discarded=0.02 cfs 0.020 af Primary=1.64 cfs 0.114 af Secondary=0.00 cfs 0.000 af Outflow=1.66 cfs 0.135 af

Summary for Subcatchment 1S: North Area

Runoff = 1.13 cfs @ 12.17 hrs, Volume= 0.071 af, Depth> 2.84"
 Routed to Pond 4P : Infiltration Pond

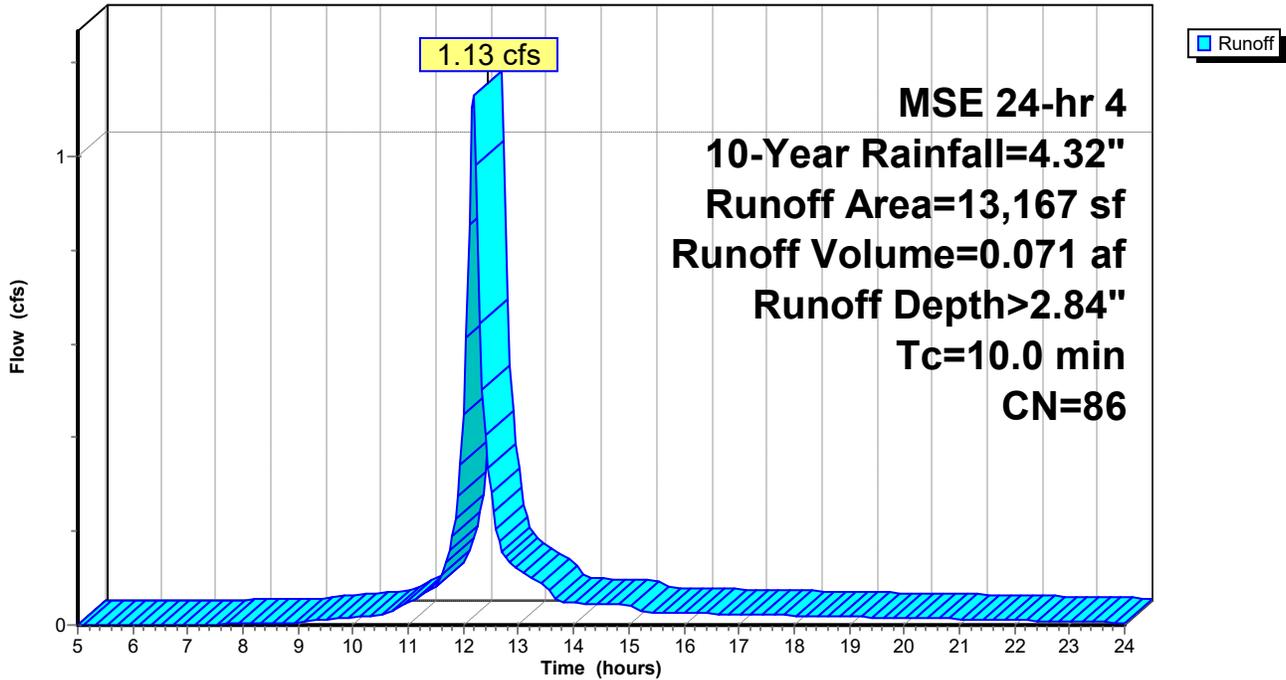
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
 MSE 24-hr 4 10-Year Rainfall=4.32"

Area (sf)	CN	Description
9,003	98	Paved parking, HSG B
4,164	61	>75% Grass cover, Good, HSG B
13,167	86	Weighted Average
4,164		31.62% Pervious Area
9,003		68.38% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, Small Drainage Area

Subcatchment 1S: North Area

Hydrograph



Summary for Subcatchment 2S: South Area

Runoff = 1.41 cfs @ 12.17 hrs, Volume= 0.091 af, Depth> 3.22"
 Routed to Pond 4P : Infiltration Pond

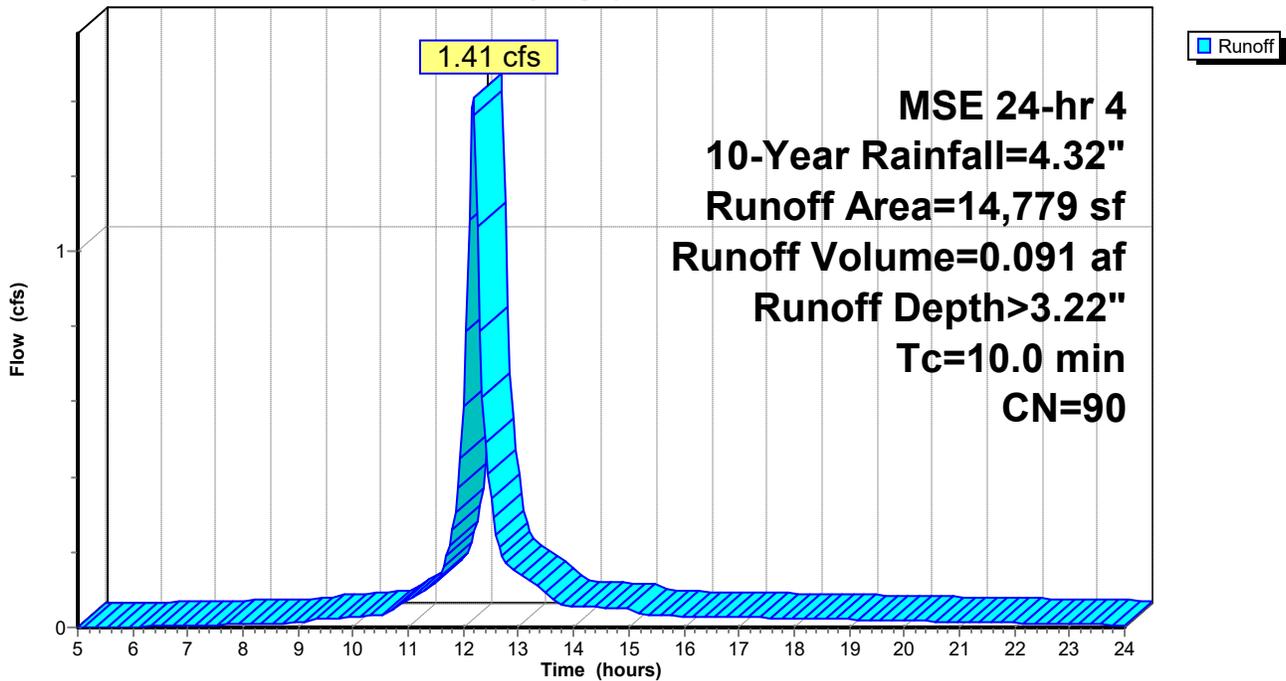
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
 MSE 24-hr 4 10-Year Rainfall=4.32"

Area (sf)	CN	Description
2,735	98	Roofs, HSG B
8,772	98	Paved parking, HSG B
3,272	61	>75% Grass cover, Good, HSG B
14,779	90	Weighted Average
3,272		22.14% Pervious Area
11,507		77.86% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, Small Drainage Area

Subcatchment 2S: South Area

Hydrograph



Summary for Subcatchment 3S: Pond Area

Runoff = 0.11 cfs @ 12.20 hrs, Volume= 0.007 af, Depth> 0.98"
 Routed to Pond 4P : Infiltration Pond

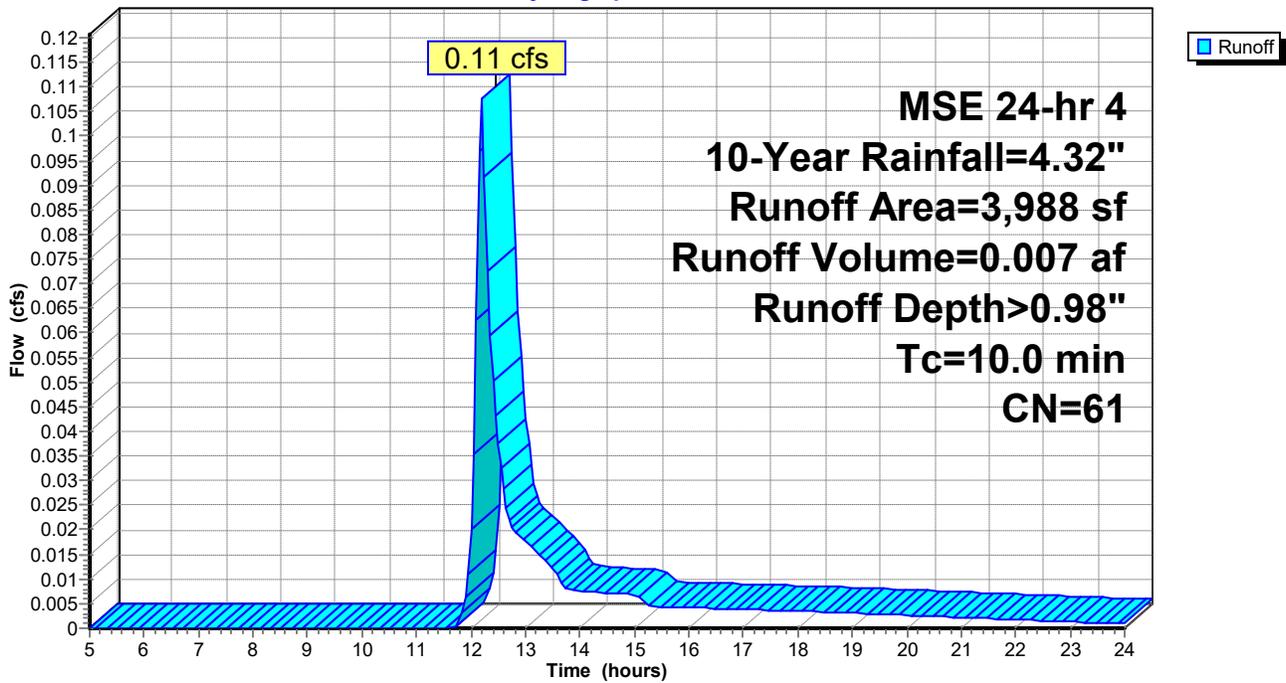
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
 MSE 24-hr 4 10-Year Rainfall=4.32"

Area (sf)	CN	Description
3,988	61	>75% Grass cover, Good, HSG B
3,988		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, Small Drainage Area

Subcatchment 3S: Pond Area

Hydrograph



Summary for Subcatchment 4S: Uncaptured Area

Runoff = 0.19 cfs @ 12.18 hrs, Volume= 0.012 af, Depth> 1.69"
 Routed to Reach 10R : Street Storm System

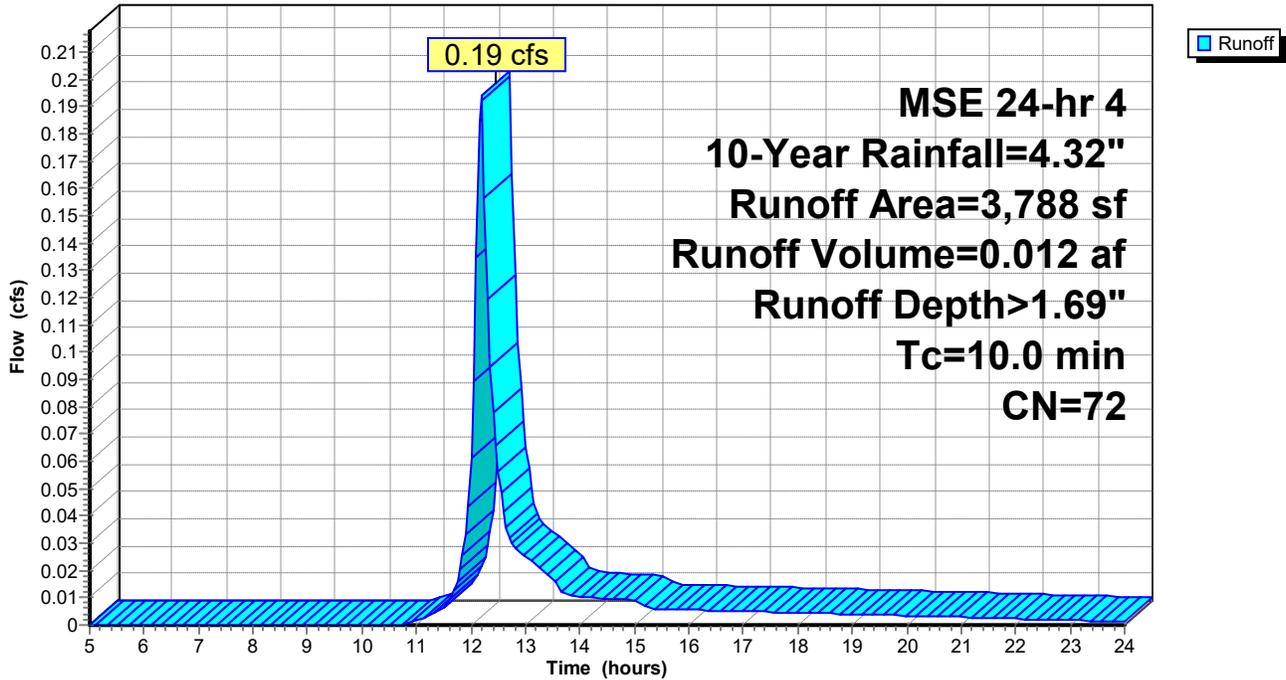
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
 MSE 24-hr 4 10-Year Rainfall=4.32"

Area (sf)	CN	Description
1,176	98	Paved parking, HSG B
2,612	61	>75% Grass cover, Good, HSG B
3,788	72	Weighted Average
2,612		68.95% Pervious Area
1,176		31.05% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, Small Drainage Area

Subcatchment 4S: Uncaptured Area

Hydrograph

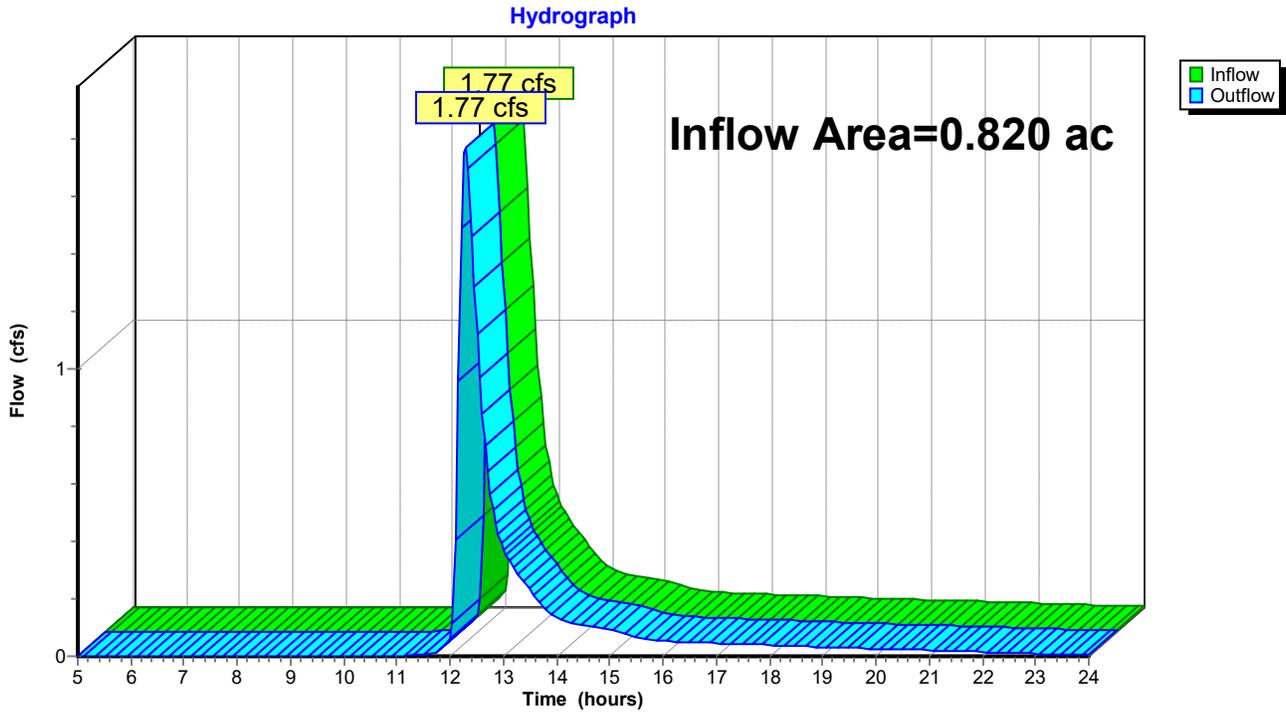


Summary for Reach 10R: Street Storm System

Inflow Area = 0.820 ac, 60.71% Impervious, Inflow Depth > 1.85" for 10-Year event
Inflow = 1.77 cfs @ 12.28 hrs, Volume= 0.127 af
Outflow = 1.77 cfs @ 12.28 hrs, Volume= 0.127 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs

Reach 10R: Street Storm System



Summary for Pond 4P: Infiltration Pond

Inflow Area = 0.733 ac, 64.23% Impervious, Inflow Depth > 2.78" for 10-Year event
 Inflow = 2.64 cfs @ 12.17 hrs, Volume= 0.170 af
 Outflow = 1.66 cfs @ 12.29 hrs, Volume= 0.135 af, Atten= 37%, Lag= 7.0 min
 Discarded = 0.02 cfs @ 12.29 hrs, Volume= 0.020 af
 Primary = 1.64 cfs @ 12.29 hrs, Volume= 0.114 af
 Routed to Reach 10R : Street Storm System
 Secondary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
 Routed to Reach 10R : Street Storm System

Routing by Stor-Ind method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
 Peak Elev= 669.75' @ 12.29 hrs Surf.Area= 1,699 sf Storage= 2,654 cf

Plug-Flow detention time= 120.2 min calculated for 0.135 af (79% of inflow)
 Center-of-Mass det. time= 50.3 min (849.6 - 799.3)

Volume	Invert	Avail.Storage	Storage Description
#1	667.50'	5,193 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
667.50	660	0	0
670.00	1,815	3,094	3,094
671.00	2,383	2,099	5,193

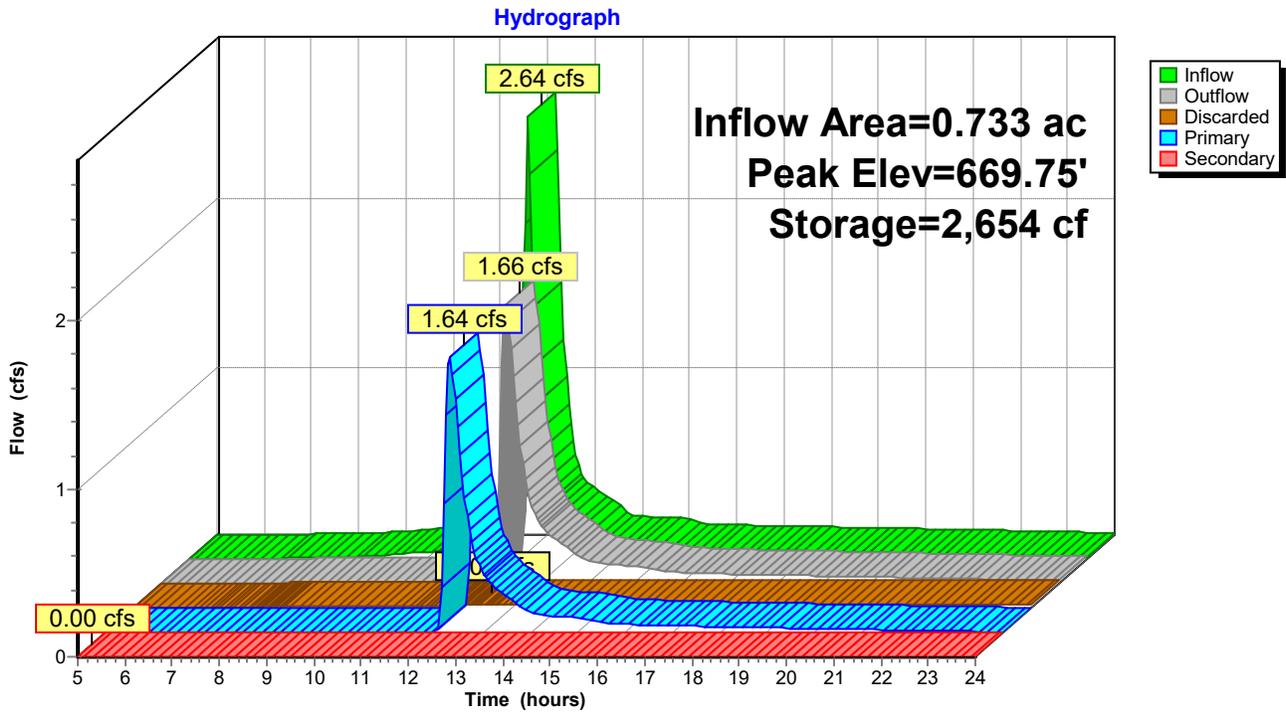
Device	Routing	Invert	Outlet Devices
#1	Secondary	670.80'	4.0' long x 4.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.38 2.54 2.69 2.68 2.67 2.67 2.65 2.66 2.66 2.68 2.72 2.73 2.76 2.79 2.88 3.07 3.32
#2	Primary	669.00'	12.0" Round RCP_Round 12" L= 30.0' RCP, mitered to conform to fill, Ke= 0.700 Inlet / Outlet Invert= 669.00' / 667.32' S= 0.0560 '/' Cc= 0.900 n= 0.012 Concrete pipe, finished, Flow Area= 0.79 sf
#3	Discarded	667.50'	0.500 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 620.00'

Discarded OutFlow Max=0.02 cfs @ 12.29 hrs HW=669.75' (Free Discharge)
 ↑3=Exfiltration (Controls 0.02 cfs)

Primary OutFlow Max=1.63 cfs @ 12.29 hrs HW=669.75' (Free Discharge)
 ↑2=RCP_Round 12" (Inlet Controls 1.63 cfs @ 2.60 fps)

Secondary OutFlow Max=0.00 cfs @ 5.00 hrs HW=667.50' (Free Discharge)
 ↑1=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Pond 4P: Infiltration Pond



Time span=5.00-24.00 hrs, dt=0.05 hrs, 381 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: North Area Runoff Area=13,167 sf 68.38% Impervious Runoff Depth>5.66"
Tc=10.0 min CN=86 Runoff=2.18 cfs 0.143 af

Subcatchment 2S: South Area Runoff Area=14,779 sf 77.86% Impervious Runoff Depth>6.12"
Tc=10.0 min CN=90 Runoff=2.58 cfs 0.173 af

Subcatchment 3S: Pond Area Runoff Area=3,988 sf 0.00% Impervious Runoff Depth>2.92"
Tc=10.0 min CN=61 Runoff=0.36 cfs 0.022 af

Subcatchment 4S: Uncaptured Area Runoff Area=3,788 sf 31.05% Impervious Runoff Depth>4.09"
Tc=10.0 min CN=72 Runoff=0.47 cfs 0.030 af

Reach 10R: Street Storm System Inflow=3.58 cfs 0.308 af
Outflow=3.58 cfs 0.308 af

Pond 4P: Infiltration Pond Peak Elev=670.44' Storage=3,946 cf Inflow=5.12 cfs 0.338 af
Discarded=0.02 cfs 0.023 af Primary=3.23 cfs 0.278 af Secondary=0.00 cfs 0.000 af Outflow=3.26 cfs 0.301 af

Summary for Subcatchment 1S: North Area

Runoff = 2.18 cfs @ 12.17 hrs, Volume= 0.143 af, Depth> 5.66"
 Routed to Pond 4P : Infiltration Pond

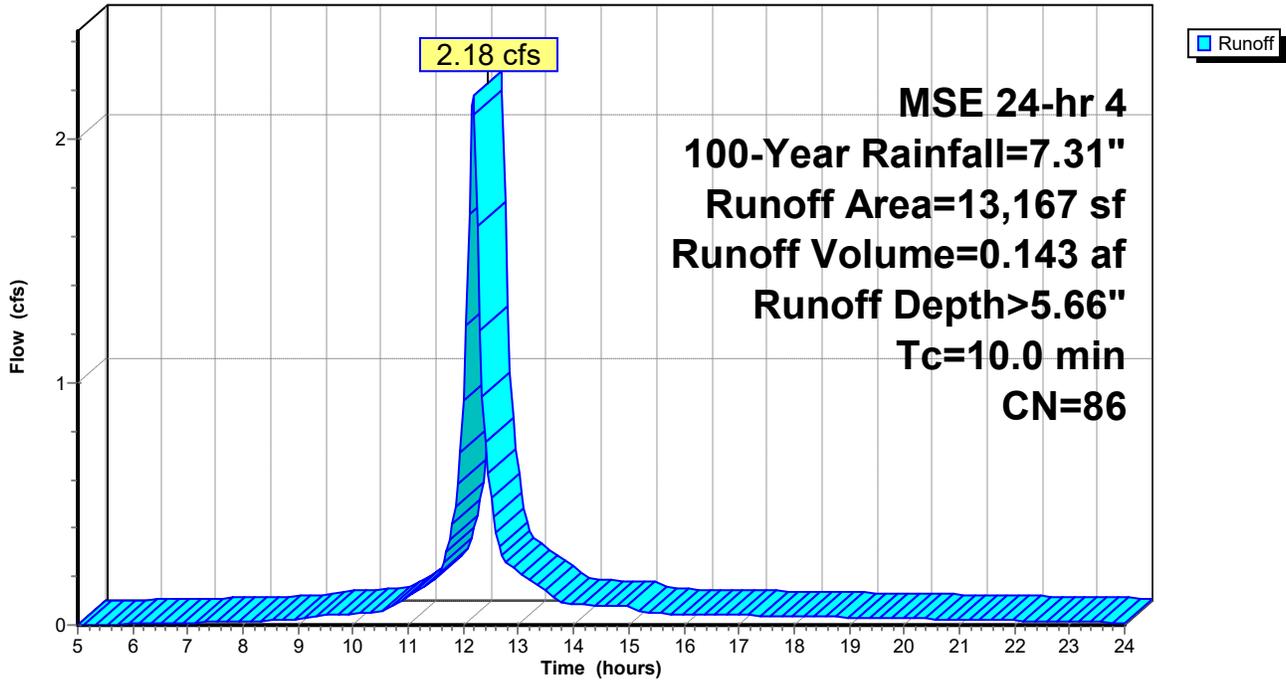
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
 MSE 24-hr 4 100-Year Rainfall=7.31"

Area (sf)	CN	Description
9,003	98	Paved parking, HSG B
4,164	61	>75% Grass cover, Good, HSG B
13,167	86	Weighted Average
4,164		31.62% Pervious Area
9,003		68.38% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, Small Drainage Area

Subcatchment 1S: North Area

Hydrograph



Summary for Subcatchment 2S: South Area

Runoff = 2.58 cfs @ 12.17 hrs, Volume= 0.173 af, Depth> 6.12"
 Routed to Pond 4P : Infiltration Pond

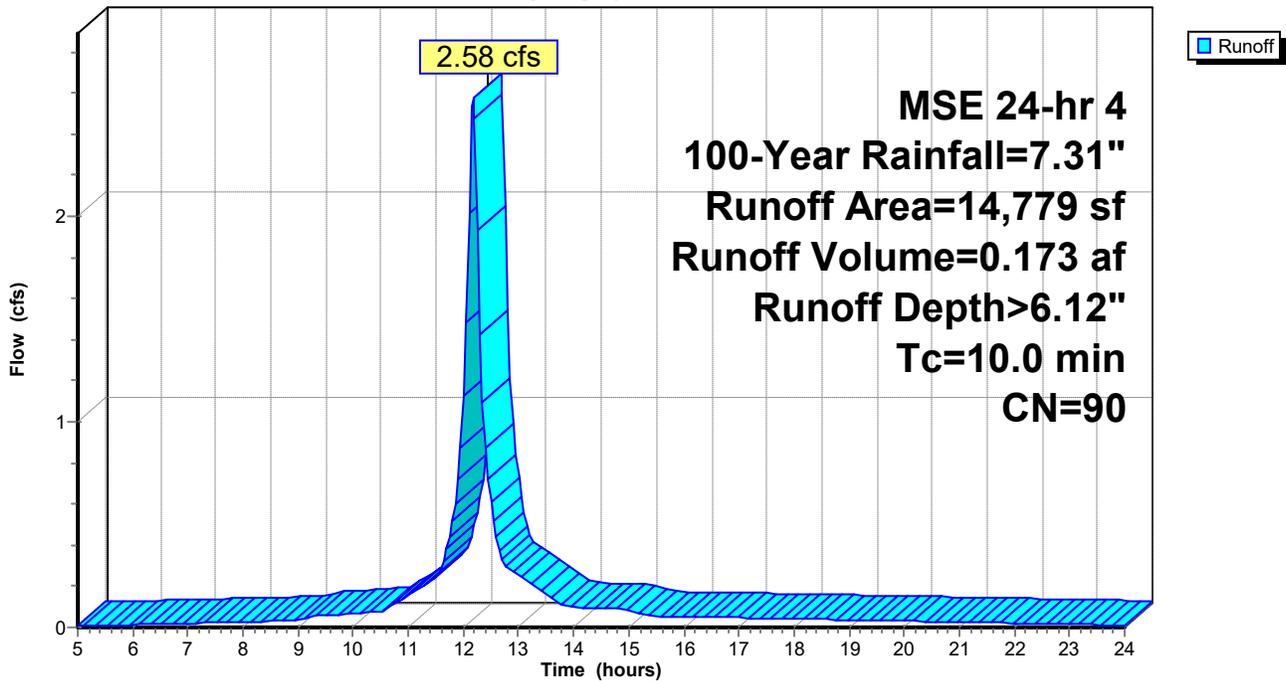
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
 MSE 24-hr 4 100-Year Rainfall=7.31"

Area (sf)	CN	Description
2,735	98	Roofs, HSG B
8,772	98	Paved parking, HSG B
3,272	61	>75% Grass cover, Good, HSG B
14,779	90	Weighted Average
3,272		22.14% Pervious Area
11,507		77.86% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, Small Drainage Area

Subcatchment 2S: South Area

Hydrograph



Summary for Subcatchment 3S: Pond Area

Runoff = 0.36 cfs @ 12.18 hrs, Volume= 0.022 af, Depth> 2.92"
 Routed to Pond 4P : Infiltration Pond

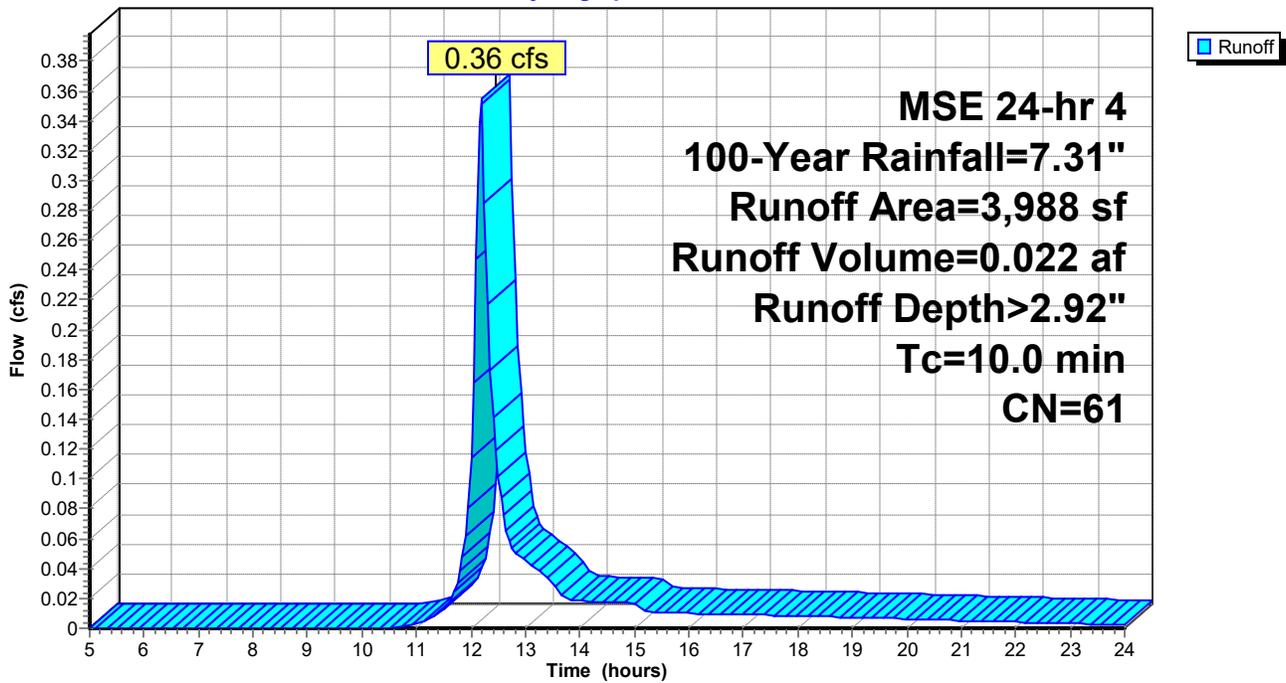
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
 MSE 24-hr 4 100-Year Rainfall=7.31"

Area (sf)	CN	Description
3,988	61	>75% Grass cover, Good, HSG B
3,988		100.00% Pervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, Small Drainage Area

Subcatchment 3S: Pond Area

Hydrograph



Summary for Subcatchment 4S: Uncaptured Area

Runoff = 0.47 cfs @ 12.18 hrs, Volume= 0.030 af, Depth> 4.09"
 Routed to Reach 10R : Street Storm System

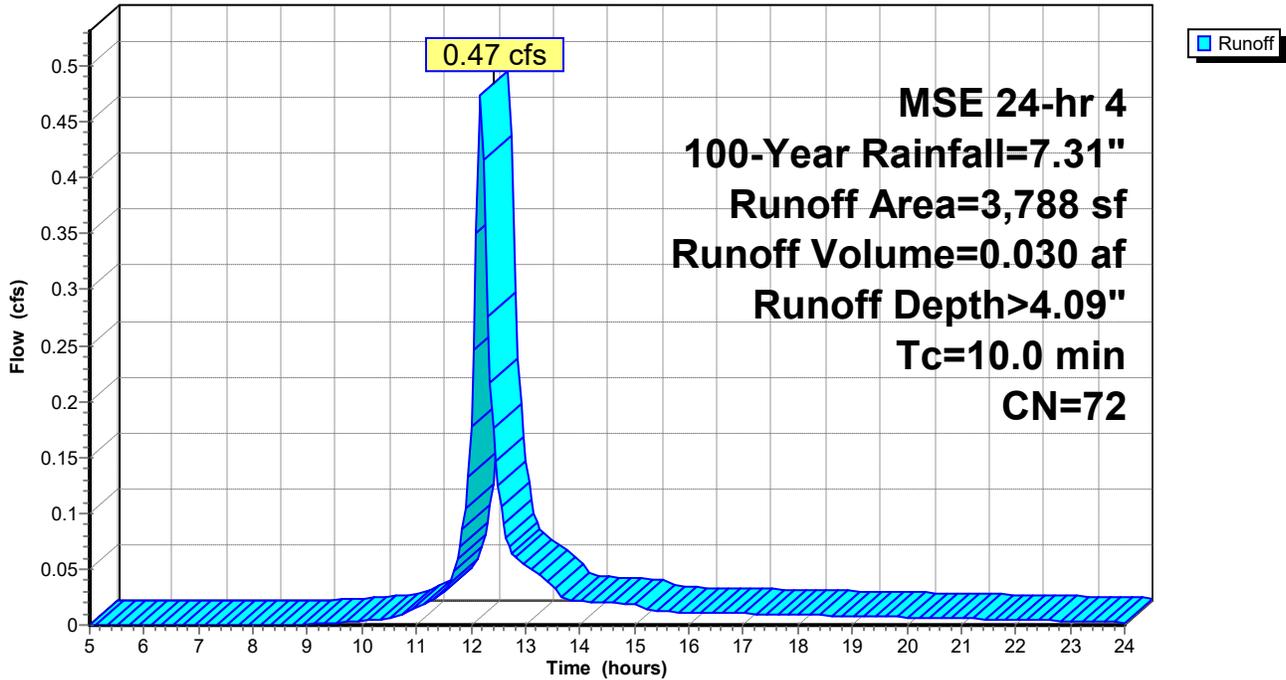
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
 MSE 24-hr 4 100-Year Rainfall=7.31"

Area (sf)	CN	Description
1,176	98	Paved parking, HSG B
2,612	61	>75% Grass cover, Good, HSG B
3,788	72	Weighted Average
2,612		68.95% Pervious Area
1,176		31.05% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.0					Direct Entry, Small Drainage Area

Subcatchment 4S: Uncaptured Area

Hydrograph

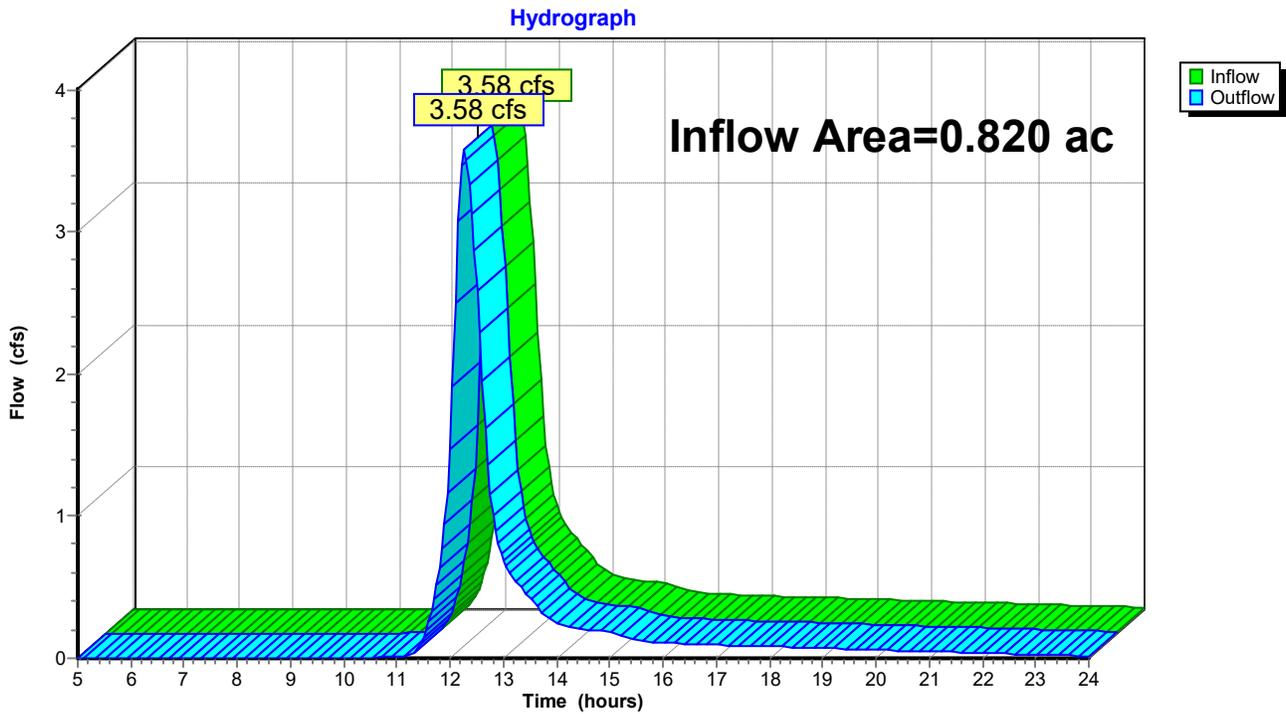


Summary for Reach 10R: Street Storm System

Inflow Area = 0.820 ac, 60.71% Impervious, Inflow Depth > 4.51" for 100-Year event
Inflow = 3.58 cfs @ 12.25 hrs, Volume= 0.308 af
Outflow = 3.58 cfs @ 12.25 hrs, Volume= 0.308 af, Atten= 0%, Lag= 0.0 min

Routing by Stor-Ind+Trans method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs

Reach 10R: Street Storm System



Summary for Pond 4P: Infiltration Pond

Inflow Area = 0.733 ac, 64.23% Impervious, Inflow Depth > 5.53" for 100-Year event
 Inflow = 5.12 cfs @ 12.17 hrs, Volume= 0.338 af
 Outflow = 3.26 cfs @ 12.28 hrs, Volume= 0.301 af, Atten= 36%, Lag= 6.6 min
 Discarded = 0.02 cfs @ 12.28 hrs, Volume= 0.023 af
 Primary = 3.23 cfs @ 12.28 hrs, Volume= 0.278 af
 Routed to Reach 10R : Street Storm System
 Secondary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
 Routed to Reach 10R : Street Storm System

Routing by Stor-Ind method, Time Span= 5.00-24.00 hrs, dt= 0.05 hrs
 Peak Elev= 670.44' @ 12.28 hrs Surf.Area= 2,065 sf Storage= 3,946 cf

Plug-Flow detention time= 83.6 min calculated for 0.301 af (89% of inflow)
 Center-of-Mass det. time= 36.5 min (821.5 - 785.0)

Volume	Invert	Avail.Storage	Storage Description
#1	667.50'	5,193 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
667.50	660	0	0
670.00	1,815	3,094	3,094
671.00	2,383	2,099	5,193

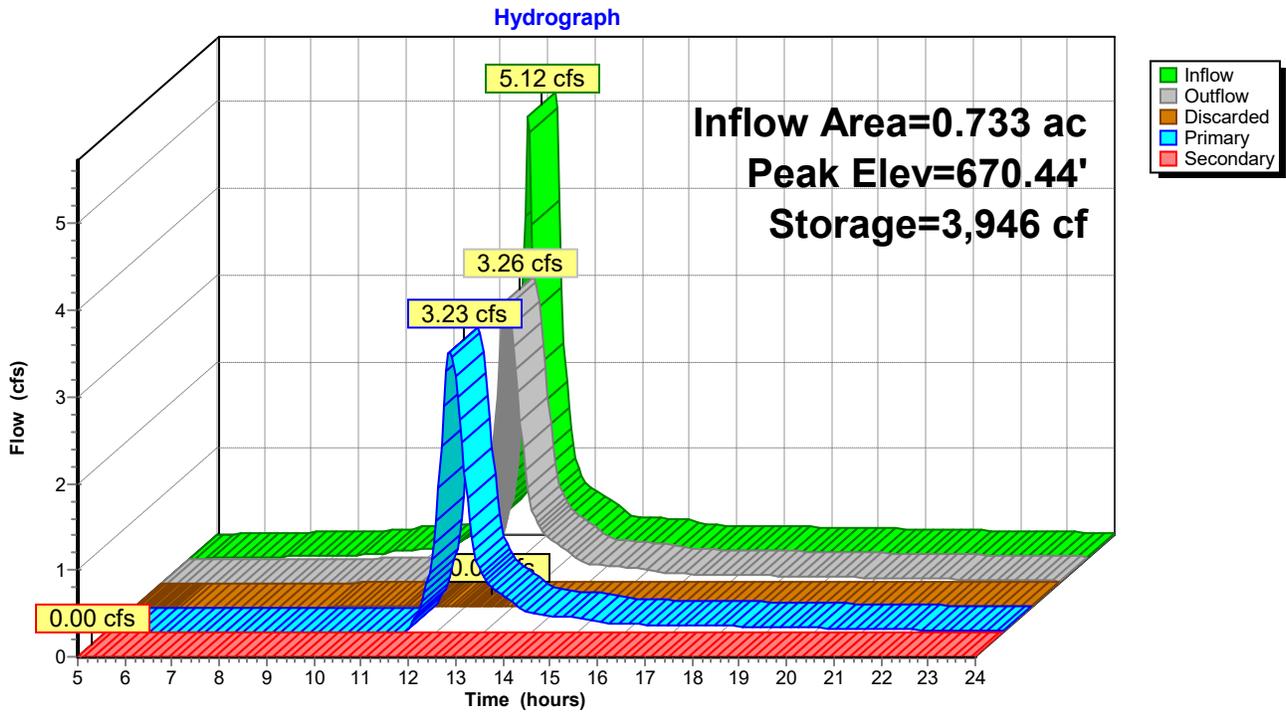
Device	Routing	Invert	Outlet Devices
#1	Secondary	670.80'	4.0' long x 4.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 Coef. (English) 2.38 2.54 2.69 2.68 2.67 2.67 2.65 2.66 2.66 2.68 2.72 2.73 2.76 2.79 2.88 3.07 3.32
#2	Primary	669.00'	12.0" Round RCP_Round 12" L= 30.0' RCP, mitered to conform to fill, Ke= 0.700 Inlet / Outlet Invert= 669.00' / 667.32' S= 0.0560 '/' Cc= 0.900 n= 0.012 Concrete pipe, finished, Flow Area= 0.79 sf
#3	Discarded	667.50'	0.500 in/hr Exfiltration over Surface area Conductivity to Groundwater Elevation = 620.00'

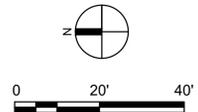
Discarded OutFlow Max=0.02 cfs @ 12.28 hrs HW=670.43' (Free Discharge)
 ↑3=Exfiltration (Controls 0.02 cfs)

Primary OutFlow Max=3.22 cfs @ 12.28 hrs HW=670.43' (Free Discharge)
 ↑2=RCP_Round 12" (Inlet Controls 3.22 cfs @ 4.10 fps)

Secondary OutFlow Max=0.00 cfs @ 5.00 hrs HW=667.50' (Free Discharge)
 ↑1=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Pond 4P: Infiltration Pond





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PROJECT

MAYO EMPLOYEES
CREDIT UNION

ADDITION/REMODELING

LA CROSSE, WI

ISSUED SET MARCH 02, 2026

REVISIONS

DATE NO.

Table with 2 columns: DATE, NO. for tracking revisions.

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.

NOT FOR CONSTRUCTION
ERIC SAUTBINE, P.E.

REG. NO. 03/02/2026 DATE



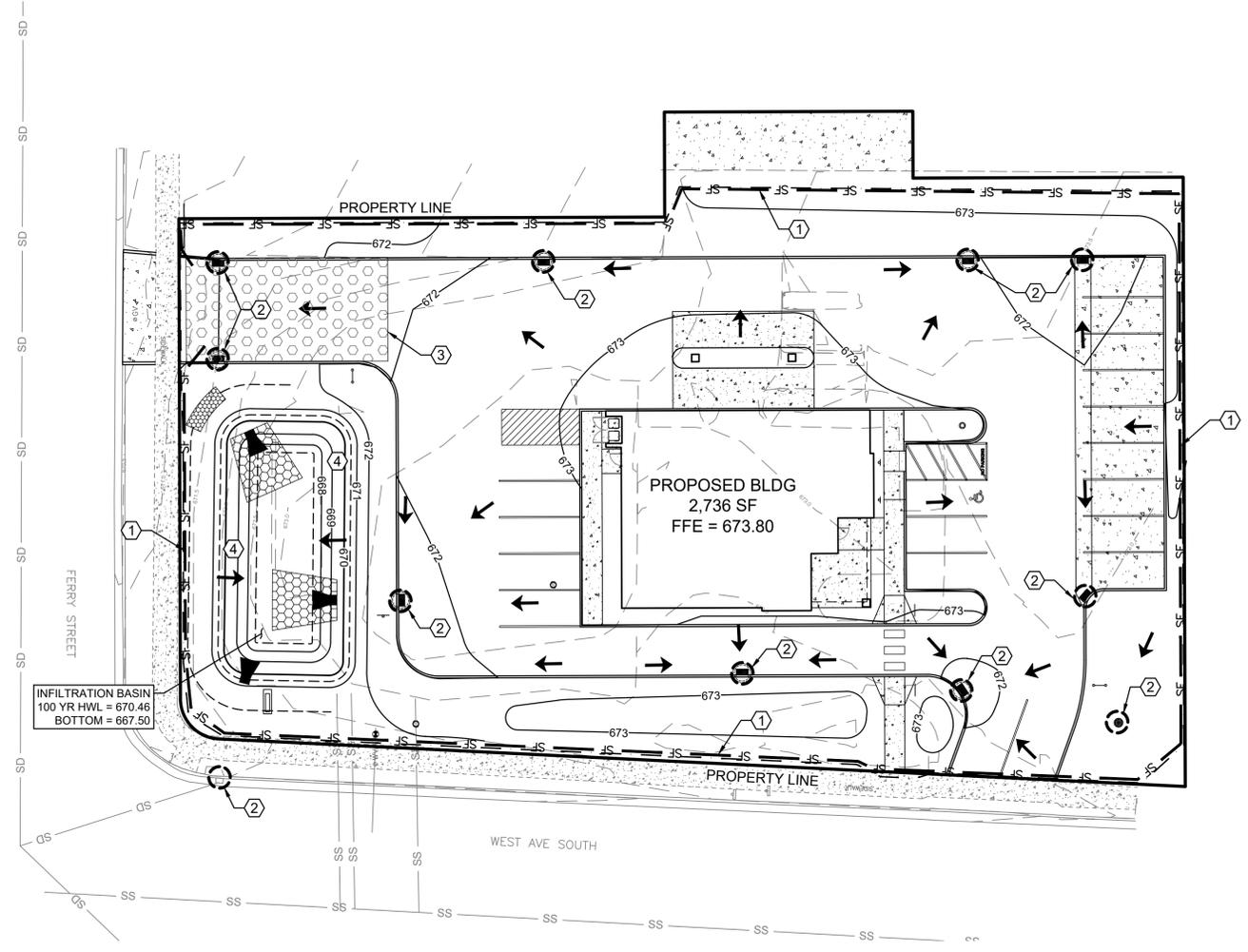
13605 1st Avenue N. #100
Plymouth, MN 55441 | ae-mn.com
P 763.412.4000 | F 763.412.4090
Anderson Engineering of Minnesota, LLC

EROSION &
SEDIMENT
CONTROL PLAN

DRAWN BY: BN CHECKED BY: BF

C3

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LEGEND

- PROPERTY LIMITS
CONSTRUCTION LIMITS
EXISTING MINOR CONTOUR
EXISTING MAJOR CONTOUR
PROPOSED MINOR CONTOUR
PROPOSED MAJOR CONTOUR
DRAINAGE ARROW
SILT FENCE
INLET PROTECTION
ROCK ENTRANCE
BIO-ROLL

KEY NOTES

- 1. INSTALL AND MAINTAIN SILT FENCE PERIMETER SEDIMENT PROTECTION IN TURF AREAS. USE BIO-ROLLS AS NEED IN PAVED AREAS.
2. INSTALL AND MAINTAIN INLET SEDIMENT PROTECTION.
3. INSTALL TEMP ROCK ENTRANCE OR HARD SURFACE ASPHALT/CONCRETE AT CONSTRUCTION INGRESS & EGRESS LOCATION PRIOR TO EXCAVATION. MAINTAIN THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS.
4. INSTALL EROSION CONTROL BLANKET AND SEED ON FILTRATION BASIN SIDE SLOPES. INSTALL EROSION CONTROL BLANKET IN DITCH.

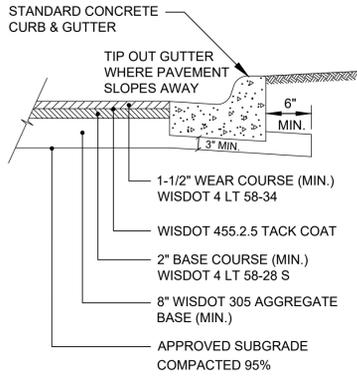
EROSION CONTROL NOTES

- 1. 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 WDNR AT LEAST 5 DAYS PRIOR TO FIELD IMPLEMENTATION.
4. THE 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 ROCK TRACKING PAD CONSTRUCTION ENTRANCE(S) PRIOR TO ANY LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING. USE WDNR TECHNICAL STANDARD STONE TRACKING PAD AND TIRE WASHING #1057 FOR ROCK 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 CONDUIT 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. (Rev. February 2017)
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. (Rev. February 2017)
13. COMPLETE AND STABILIZE SEDIMENT BASINS/TRAPS OR WET PONDS PRIOR TO MASS LAND DISTURBANCE TO CONTROL RUNOFF DURING CONSTRUCTION. REMOVE SEDIMENT AS NEEDED TO MAINTAIN 3 FEET OF DEPTH TO THE OUTLET, AND PROPERLY DISPOSE OF SEDIMENT REMOVED DURING MAINTENANCE (REFER TO NR 529). CONSTRUCT AND MAINTAIN THE SEDIMENT BASIN PER WDNR TECHNICAL STANDARD SEDIMENT BASIN #1064 AND SEDIMENT TRAP # 1063.
14. CONSTRUCT AND PROTECT THE BIOFILTRATION BASIN AND VEGETATION FROM RUNOFF AND SEDIMENT DURING CONSTRUCTION. REFERENCE THE WDNR TECHNICAL STANDARD BIORETENTION FOR INFILTRATION # 1004.
15. 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.
16. 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.
17. INSTALL AND MAINTAIN FILTER SOCKS IN ACCORDANCE WITH WDNR TECHNICAL STANDARD INTERIM MANUFACTURED

- PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS # 1071.
18. 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.
19. 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.
20. STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
21. 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 CITY OR OWNER. SEPARATE SWEEPED MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.
22. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES # 1068.
23. 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.
24. COORDINATE WITH THE OWNER TO UPDATE THE LAND DISTURBANCE PERMIT TO INDICATE THE ANTICIPATED OR LIKELY DISPOSAL LOCATIONS FOR ANY EXCAVATED SOILS OR CONSTRUCTION DEBRIS THAT WILL BE HAULED OFF-SITE FOR DISPOSAL. THE DEPOSITED OR STOCKPILED MATERIAL NEEDS TO INCLUDE PERIMETER SEDIMENT CONTROL MEASURES (SUCH AS SILT FENCE, HAY BALES, FILTER SOCKS, OR COMPACTED EARTHEN BERM).
25. FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES, PROVIDE CLASS [SPECIFY CLASS I, II, OR III] TYPE [SPECIFY TYPE A, B, OR C] EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WDOT'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD CHANNEL EROSION EROSION MAT #1052.
26. FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED AREAS, PROVIDE CLASS [SPECIFY CLASS I, II, OR III] TYPE [SPECIFY TYPE A, B, OR C] EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WDOT'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD CHANNEL EROSION MAT #1053.
27. 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.
28. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE WDNR REMEDIATION AND WASTE WATER MANAGEMENT REQUIREMENTS FOR HANDLING AND DISPOSING OF CONTAMINATED MATERIALS. SITE SPECIFIC INFORMATION FOR AREAS WITH KNOWN OR SUSPECTED SOIL AND/OR GROUNDWATER CONTAMINATION CAN BE FOUND ON WDNR'S BUREAU OF REMEDIATION AND REDEVELOPMENT TRACKING SYSTEM (BRRTS) PUBLIC DATABASE AT: https://dnr.wi.gov/botw
29. REFER TO THE SPILL PLAN IF THERE IS A DISCHARGE OF SEDIMENT AND/OR OTHER CONTAMINANTS. A SPILL PLAN IS REQUIRED IF THERE IS POTENTIAL TO DISCHARGE CONTAMINANTS TO WATERS OF THE STATE.
30. REFER TO THE FRAC OUT SPILL PLAN IF AN INADVERTENT DISCHARGE OF DRILLING FLUIDS ("FRAC OUT") OCCURS. A SPILL PLAN IS REQUIRED IF THERE IS POTENTIAL TO DISCHARGE CONTAMINANTS TO WATERS OF THE STATE.
31. INSTALL AND MAINTAIN A CONCRETE WASHOUT BASIN PER EPA 833-F-11-006. https://www3.epa.gov/npdes/pubs/concretewashout.pdf. REQUIRE USE BY ALL CONCRETE CONTRACTORS. LIQUID MAY BE REUSED IN CONCRETE MIXING, EVAPORATED, OR DISPOSED OF AS WASTEWATER.

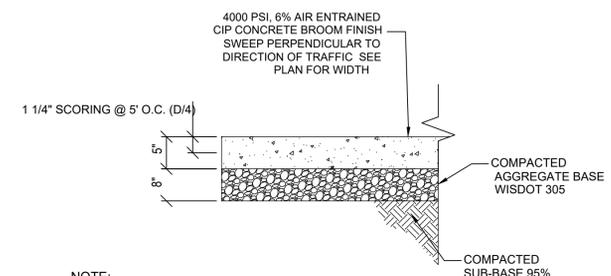
STORMWATER POLLUTION PREVENTION PLAN SCHEDULE OF INSTALLATION & MAINTENANCE

Table with 4 columns: ITEM, INSTALLATION, INSPECTION & MAINTENANCE, REMOVAL. Rows include SILT FENCE, ROCK CONST. ENTRANCE, SEED & MULCH, and INLET PROTECTION.



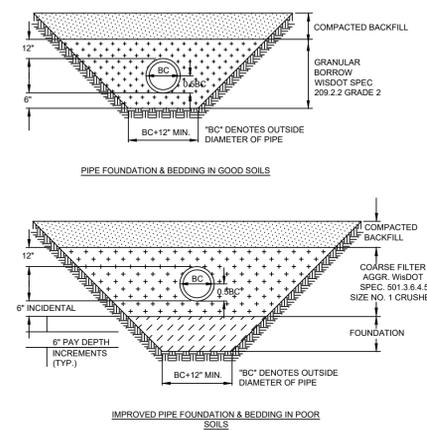
- 1-1/2" WEAR COURSE (MIN.) WISDOT 4 LT 58-34
 WISDOT 455.2.5 TACK COAT
 2" BASE COURSE (MIN.) WISDOT 4 LT 58-28 S
 8" WISDOT 305 AGGREGATE BASE (MIN.)
 APPROVED SUBGRADE COMPACTED 95%

1 BITUMINOUS PAVEMENT SECTION
 SCALE: N.T.S.

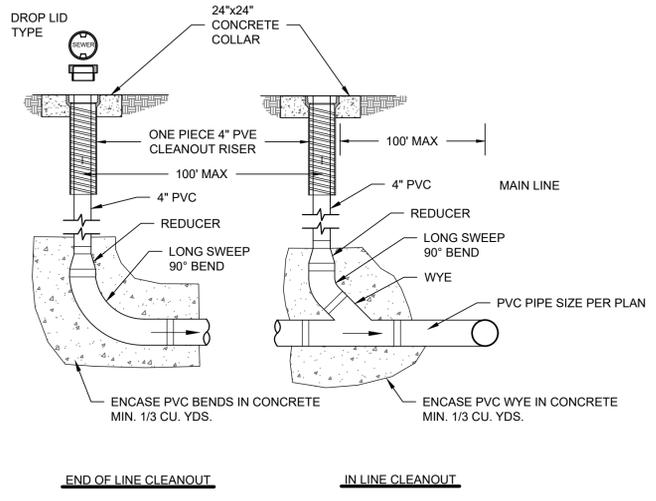


- NOTE:
 1. VERIFY PAVEMENT SECTION DESIGN AND SUBGRADE REQUIREMENTS WITH GEOTECHNICAL REPORT AND RECOMMENDATIONS PRIOR TO CONSTRUCTION.
 2. FIELD VERIFY EXISTING PAVEMENT SECTION UNKNOWN IF SUND LIFT IS PROVIDED IN EXISTING CONDITIONS PROVIDE ALTERNATE BID PRICE FOR 12" SUND LIFT UNDER AGGREGATE BASE.

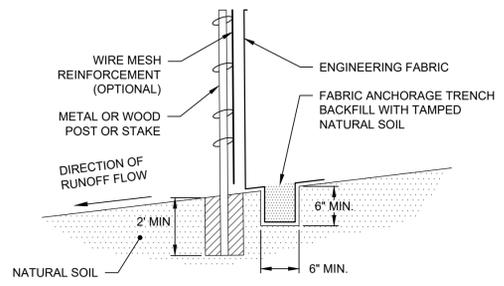
2 CONCRETE PAVEMENT SECTION
 SCALE: N.T.S.



3 PVC SEWER BEDDING
 SCALE: N.T.S.

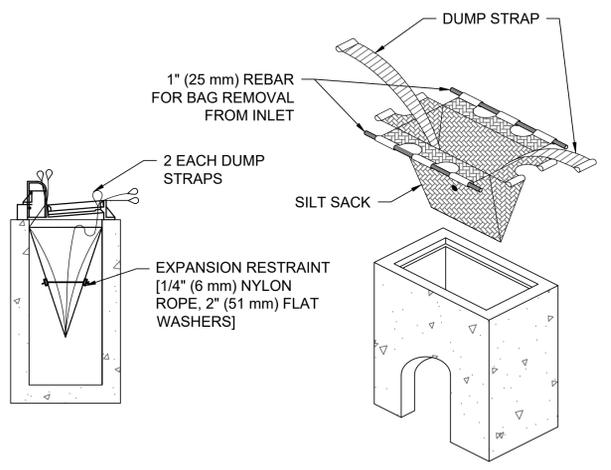


8 ROOF DRAIN CLEANOUT DETAIL
 SCALE: N.T.S.

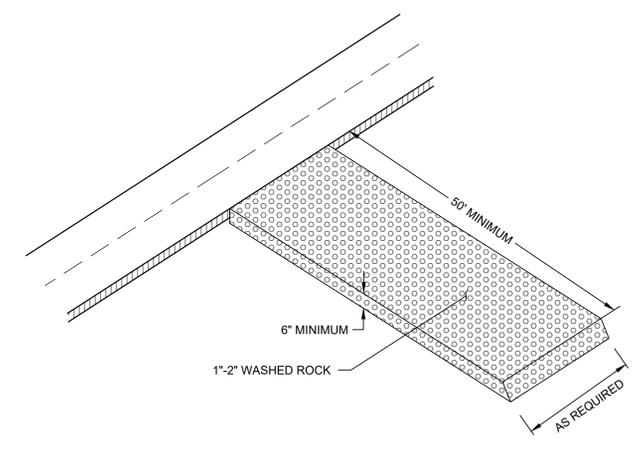


TYPICAL INSTALLATION

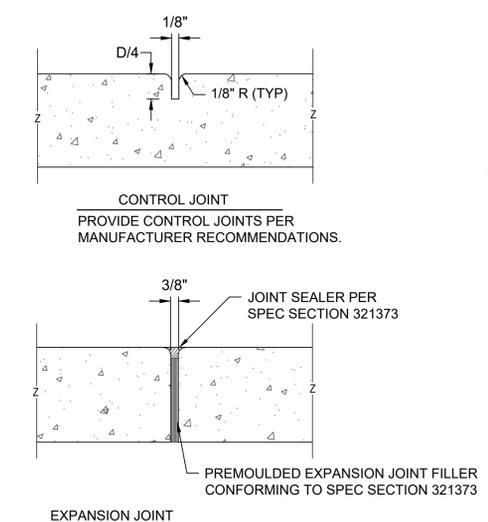
5 TYPICAL SILT FENCE DETAIL
 SCALE: N.T.S.



6 TYPICAL INLET PROTECTION DETAIL
 SCALE: N.T.S.

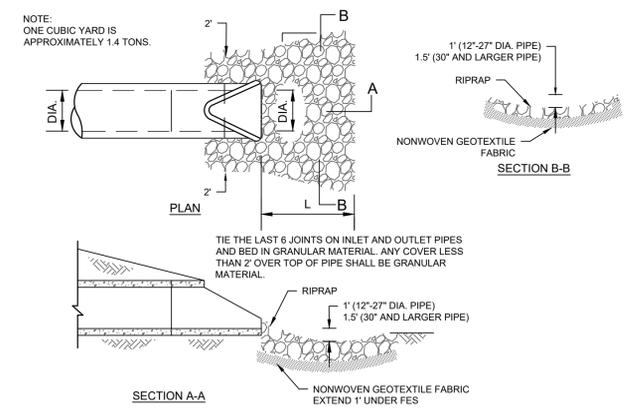


7 ROCK CONSTRUCTION ENTRANCE DETAIL
 SCALE: N.T.S.

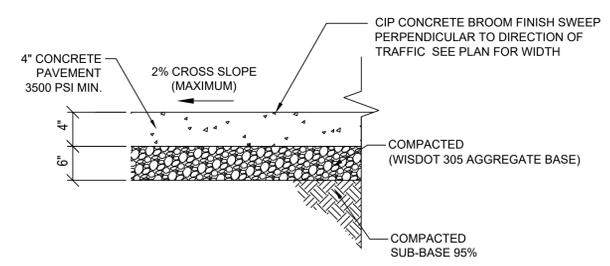


CONTROL JOINT
 PROVIDE CONTROL JOINTS PER MANUFACTURER RECOMMENDATIONS.
 EXPANSION JOINT
 PROVIDE EXPANSION JOINTS AT BUILDING AND CONCRETE STOOP INTERFACE, AS WELL AS EVERY 24 FEET OF CONTINUOUS SIDEWALK AND AT SIDEWALK INTERSECTIONS.
 NOTE: JOINTS CAN BE SAW CUT.

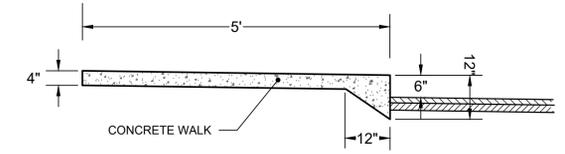
9 JOINTING DETAIL
 SCALE: N.T.S.



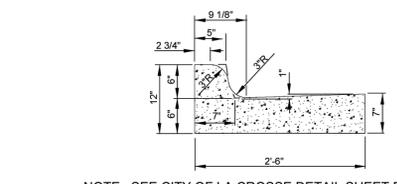
10 FLARED END SECTION
 N.T.S.



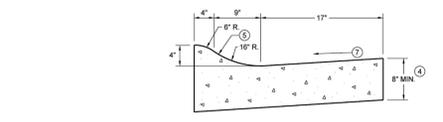
11 CONCRETE WALK SECTION
 SCALE: N.T.S.



12 MONOLITHIC CURB AND SIDEWALK
 SCALE: N.T.S.



13 STANDARD CURB AND GUTTER SECTION
 SCALE: N.T.S.



14 ROLL CURB AND GUTTER SECTION
 SCALE: N.T.S.

NOTE: SEE WI DOT DETAIL SHEET SDD08D01 FOR MORE INFORMATION.



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PROJECT

MAYO EMPLOYEES CREDIT UNION

ADDITION/REMODELING

LA CROSSE, WI

ISSUED SET MARCH 02, 2026
 REVISIONS
 DATE NO.

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.

NOT FOR CONSTRUCTION
 ERIC SAUTBINE, P.E.

REG. NO. 03/02/2026 DATE



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CIVIL DETAILS

DRAWN BY: BN CHECKED BY: BF

C5

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