CITY OF LA CROSSE COMMERCIAL DESIGN REVIEW - FINAL REVIEW

GUNDERSEN CREDIT UNION

4415 MORMON COULEE RD
LA CROSSE

FINAL REVIEW PACKET INCLUDES:

-CIVIL DRAWINGS

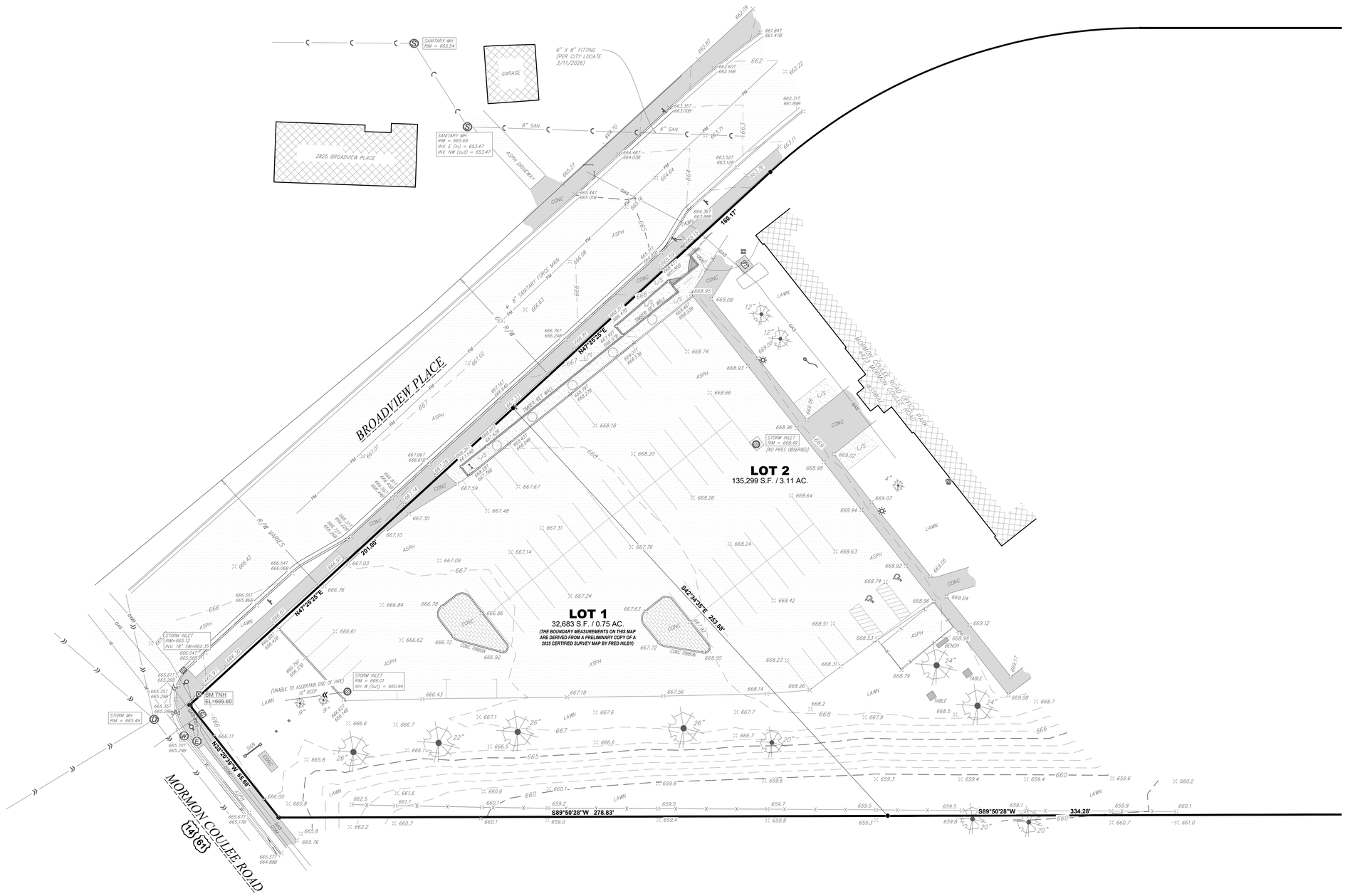
- -EXISTING CONDINTIONS MAP
- -DEMOLITION PLAN
- -GRADING PLAN
- -EROSION CONTROL PLAN
- -UTILITY PLAN
- -PROPOSED CITY IMPROVMENTS
- -DETAILS
- -LANDSCAPE PLAN & DETAILS

-ARCHITECTURAL DRAWINGS

- -FLOOR PLAN
- -EXTERIOR ELEVATIONS & FINISHES
- -EXTERIOR RENDERS
- -

-ELECTRICAL DRAWINGS

- -SITE LIGHTING PLAN
- -SITE LIGHTING CALCULATIONS
- -EXTERIOR FIXTURE CUT SHEETS



GENERAL NOTES

- THE UNDERGROUND LOCATIONS OF THE PUBLIC UTILITIES WERE MARKED BY REPRESENTATIVES OF THOSE COMPANIES VIA DIGGER'S 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) 242-8511**
- 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 TRANSPOSITIONAL 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.

LEGAL DESCRIPTION - PARCEL A

PART OF THE SE 1/4 OF THE SE 1/4 OF SECTION 16, T15N, R7W, CITY OF LA CROSSE, LA CROSSE COUNTY, WISCONSIN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

LOT 1 OF CERTIFIED SURVEY MAP VOLUME 20, PAGE 174 RECORDED AS DOCUMENT NUMBER 1839433.

THE ABOVE DESCRIBED LANDS CONTAIN 32,683 SQUARE FEET, OR 0.75 ACRES.

THE ABOVE DESCRIBED LANDS ARE SUBJECT TO ALL COVENANTS, RESTRICTIONS AND EASEMENTS, IMPLIED OR RECORDED.

SURVEYOR'S CERTIFICATE

I, JACOB K. STEPHENSON, PROFESSIONAL LAND SURVEYOR # 3076, HEREBY CERTIFY THAT I HAVE SURVEYED AND MAPPED THE DESCRIBED PARCEL AT THE DIRECTION OF KYLE SCHAUF, REPRESENTATIVE FOR HSR ASSOCIATES, AND THE ATTACHED SURVEY MAP IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. AND THAT I HAVE FULLY COMPLIED WITH THE PROVISIONS OF CHAPTER A-E 7 OF THE WISCONSIN ADMINISTRATIVE CODE.

JACOB K. STEPHENSON PLS # 3076 DATE
PARAGON ASSOCIATES

LEGEND

- CONTOUR MAJOR
- CONTOUR MINOR
- FOUND 3/4" O.D. IRON BAR (UNLESS NOTED)
- FOUND DRILL HOLE
- SPOT ELEVATION (HARD SURFACE)
- SPOT ELEVATION (SOFT SURFACE)
- SPOT ELEVATION
- TOP / BOTTOM OF CURB OR WALL
- CONC
- ASPH
- LAND SCAPING L/S
- BUILDING
- SINGLE POST SIGN
- TRAFFIC SIGNALS
- FLAG POLE
- HANDI CAP PARKING
- DECIDUOUS TREE, SIZE NOTED
- SHRUB
- FENCE
- SANITARY FORCE MAIN
- SANITARY SEWER
- STORM SEWER
- WATERMAIN
- OVERHEAD UTILITIES
- GAS
- UNDERGROUND ELECTRICAL
- COMMUNICATIONS LINES
- SANITARY MANHOLE
- STORM MANHOLE
- CURB INLET
- AREA DRAIN
- WATER MANHOLE
- HYDRANT
- WATER VALVE
- ELECTRIC MANHOLE
- TRANSFORMER
- LIGHT POLE
- COMMUNICATIONS PULLBOX
- COMMUNICATIONS PEDESTAL
- GAS METER

N

10 0 10 20

PLAN SCALE: 1"=20'

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Project Title: **GUNDERSEN CREDIT UNION**
NEW BRANCH LOCATION - LA CROSSE

Project Location: Mormon Coulee Road
La Crosse, Wisconsin

Sheet Title: **EXISTING CONDITIONS MAP**

HSR Project Number: **25052**

Project Date: **MARCH 2026**

Drawn By: **C.G.**

Key Plan:

BID SET

Revisions:

No.	Description	Date

Graphic Scale: **1" = 20'**

Last Update: **03/13/2026**

C010

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.

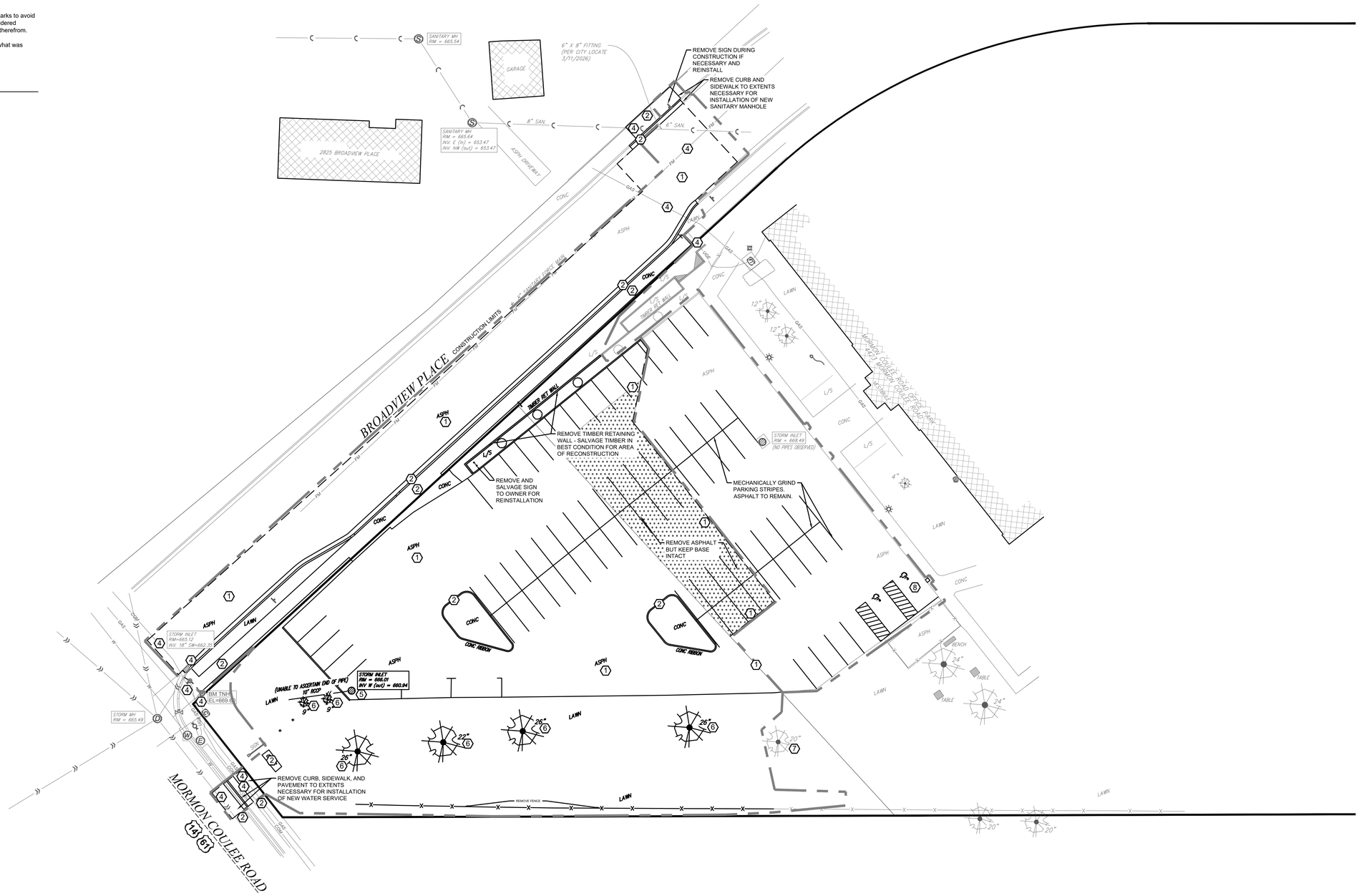
-It shall be the contractors responsibility to arrange for any necessary inspections by local government that may be required.

-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
6. REMOVE EXISTING TREE
7. PROTECT EXISTING TREE
8. CONTRACTOR TO COORDINATE WITH NEIGHBORING PROPERTY OWNER TO MAKE 5 PARKING STALLS ACCESSIBLE FOR AS LONG AS POSSIBLE DURING CONSTRUCTION



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Project Title: **GUNDERSEN CREDIT UNION**
NEW BRANCH LOCATION - LA CROSSE

Project Location: **Mormon Coulee Road**
La Crosse, Wisconsin

Sheet Title: **DEMOLITION PLAN**

HSR Project Number: **25052**

Project Date: **MARCH 2026**

Drawn By: **C.G.**

Key Plan:

BID SET

Revisions:

No.	Description	Date

Graphic Scale: **1" = 20'**

Last Update: **03/13/2026**

C050

SITE NOTES

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

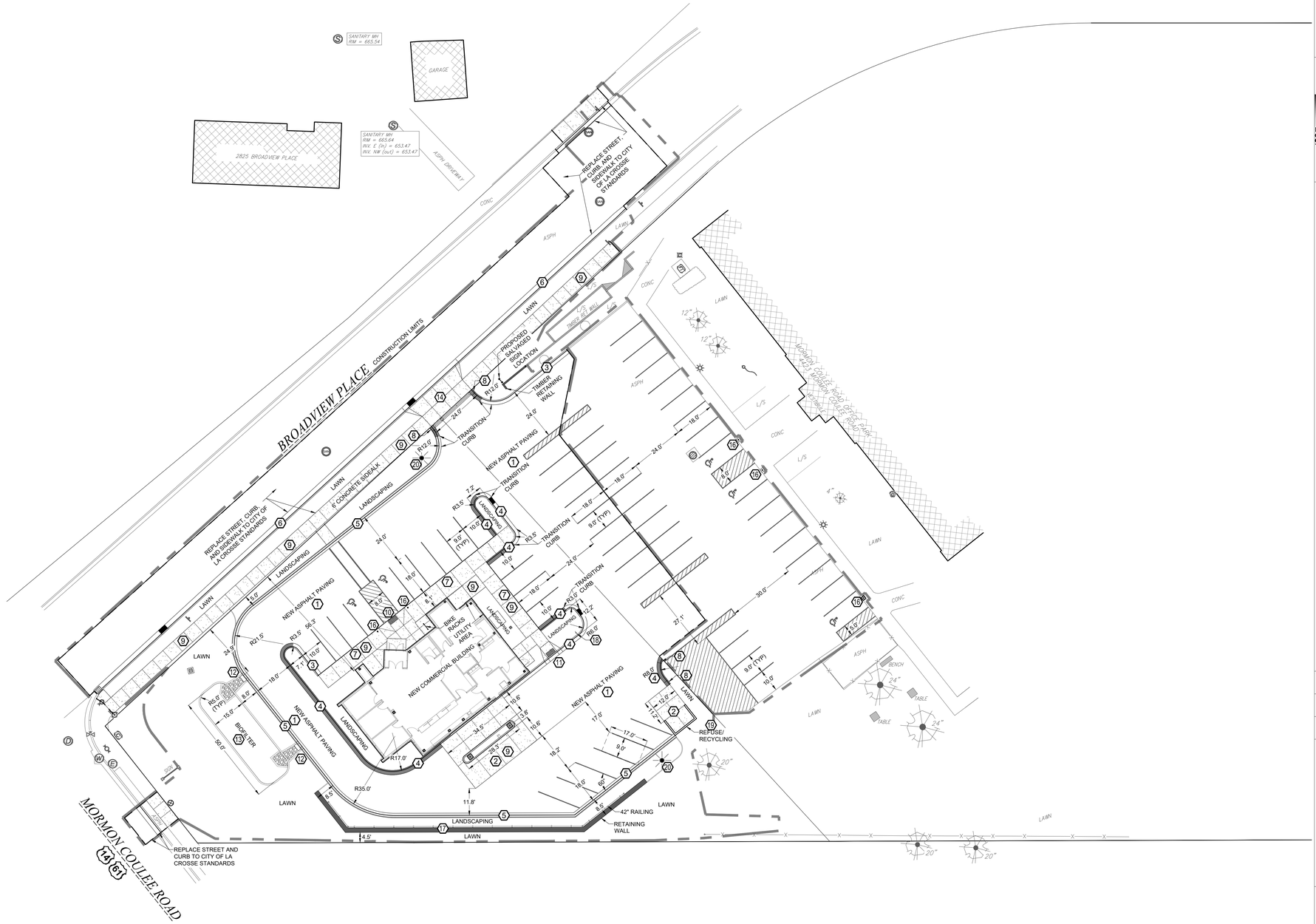
-It shall be the contractors responsibility to arrange for any necessary inspections by local government that may be required.

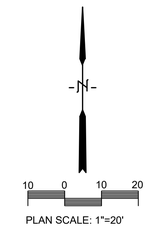
-Any and all parties utilizing vertical datum shall always check into at least two (2) benchmarks to avoid mistakes due to hydrant adjustments or transpositional errors. failure to do so will be considered tantamount to gross negligence and subject the offending party to any damages resulting therefrom.

-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/C500 FOR ASPHALT PAVEMENT
2. SEE DETAIL B/C500 FOR CONCRETE PAVEMENT - TYPE 1
3. SEE DETAIL C/C500 FOR TYPICAL 24" CURB AND GUTTER SECTION
4. SEE DETAIL D/C500 FOR 24" CURB AND GUTTER SECTION - REVERSE SLOPE
5. SEE DETAIL E/C500 FOR TYPICAL 24" MOUNTABLE CURB & GUTTER
6. SEE DETAIL F/C500 FOR TYPICAL 30" CURB AND GUTTER SECTION
7. SEE DETAIL G/C500 FOR INTEGRAL CURB/SIDEWALK SECTION
8. SEE DETAIL H/C500 FOR END SECTION CURB & GUTTER
9. SEE DETAIL I/C500 FOR CONCRETE PAVING AND JOINTING
10. SEE DETAIL J/C500 FOR SIDEWALK RAMP (5' CURB TAPER)
11. SEE DETAIL J/C500 FOR SIDEWALK RAMP (2' CURB TAPER)
12. SEE DETAILS K/C500 AND L/C500 FOR CURB CUT AND SPLASH PAD
13. SEE DETAIL M/C500 FOR BIOFILTER SECTION
14. SEE DETAIL N/C500 FOR STANDARD CONCRETE DRIVEWAY
15. SEE DETAIL O/C500 FOR DISABLED PARKING SIGN
16. SEE DETAIL P/C500 FOR DISABLED PARKING SIGN BOLLARD
17. SEE DETAIL Q/C500 FOR WALL RAILING
18. SEE DETAIL R/C500 FOR EXIT ONLY SIGN
19. SEE ARCHITECTURAL FOR REFUSE/RECYCLING ENCLOSURE
20. SEE ELECTRICAL FOR SITE LIGHTING





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Project Title: **GUNDERSEN CREDIT UNION**
NEW BRANCH LOCATION - LA CROSSE

Project Location: Mormon Coulee Road
La Crosse, Wisconsin

Sheet Title: **SITE PLAN**

HSR Project Number: **25052**

Project Date: **MARCH 2026**

Drawn By: **C.G.**

Key Plan:

BID SET

Revisions:

No.	Description	Date

Graphic Scale: **1" = 20'**

Last Update: **03/13/2026**

C100

GRADING NOTES

-CONTOURS SHOWN ARE FOR FINISHED SURFACES, ANY ADJUSTMENT TO SUBGRADE IS THE CONTRACTOR'S RESPONSIBILITY.

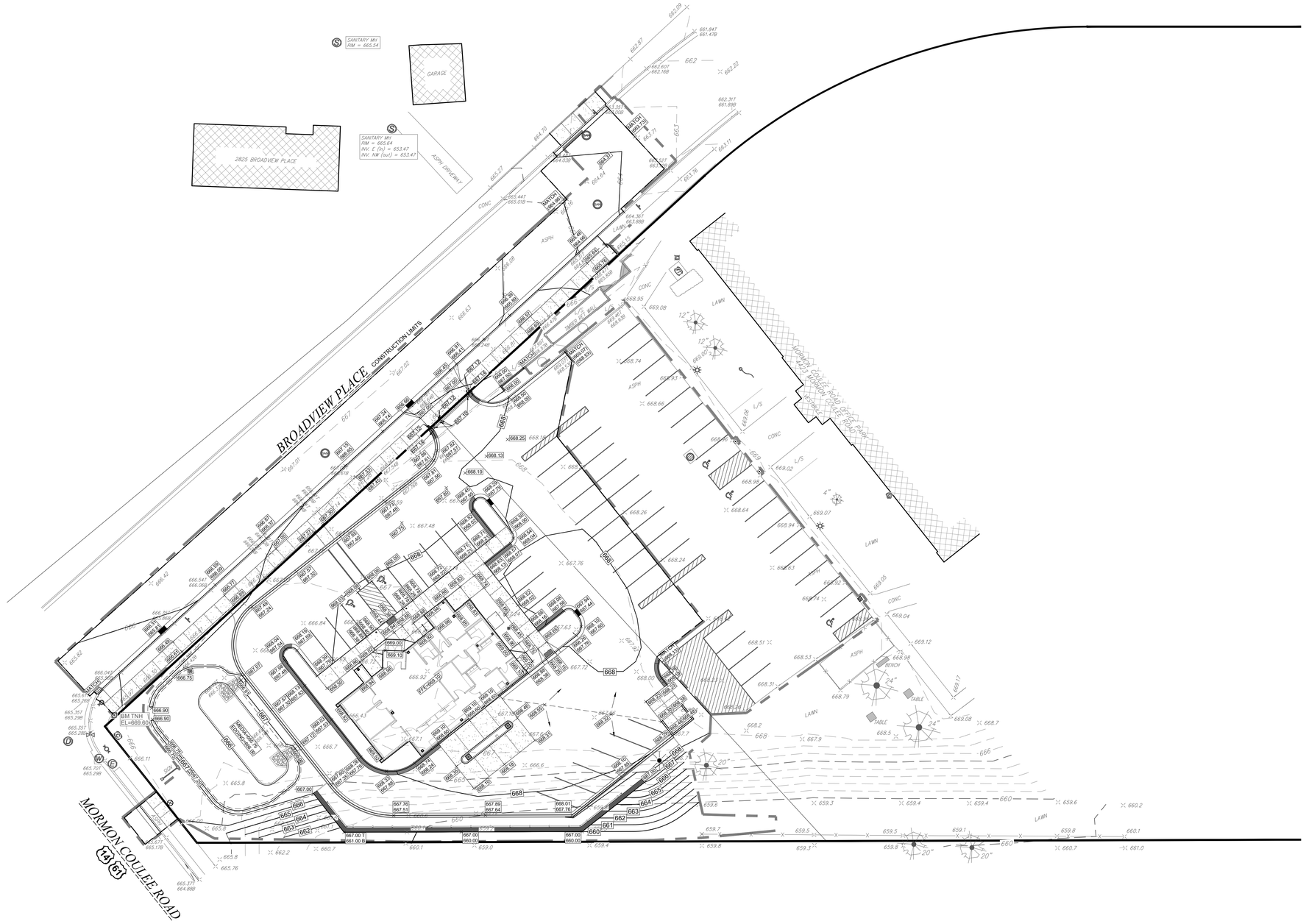
-ALL DISTURBED AREAS THAT ARE UNPAVED ARE TO BE LANDSCAPED OR HAVE LAWN ESTABLISHED AS INDICATED ON THE LANDSCAPE PLAN.

-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 LABELED. 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



PLAN SCALE: 1"=20'

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Project Title: **GUNDERSEN CREDIT UNION**
NEW BRANCH LOCATION - LA CROSSE

Project Location: Mormon Coulee Road
La Crosse, Wisconsin

Sheet Title: **GRADING PLAN**

HSR Project Number: **25052**

Project Date: **MARCH 2026**

Drawn By: **C.G.**

Key Plan:

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Revisions:

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Graphic Scale: **1" = 20'**

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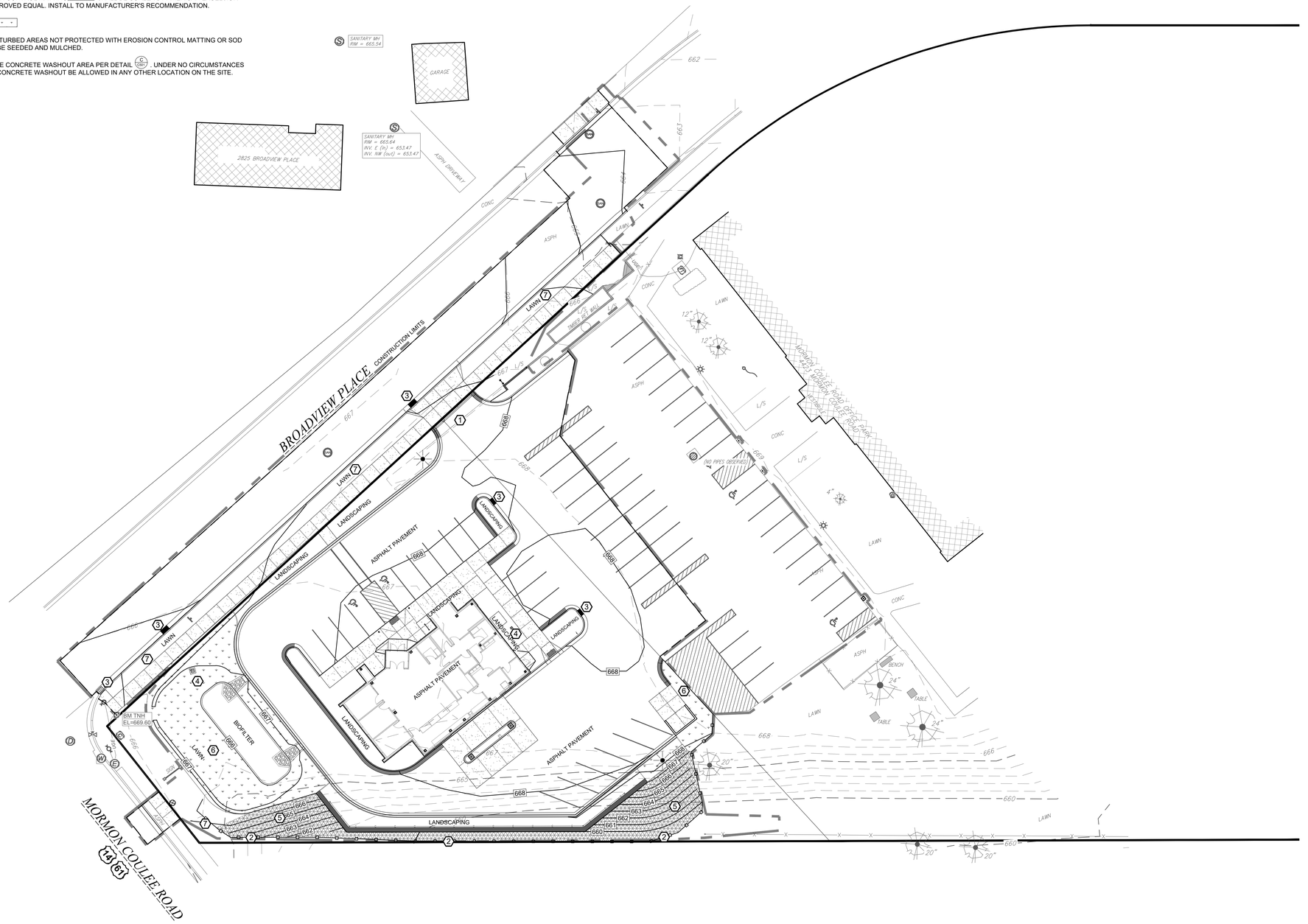
C200



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 $\frac{1}{3}$ 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. PROVIDE VEHICLE TRACKING CONTROL APRON AT LOCATION WHERE ENTERING AND EXITING THE SITE. SEE DETAIL A/C501
2. SEE DETAIL B/C501 FOR SILT FENCE INSTALLATION
3. SEE DETAIL D/C501 FOR INLET PROTECTION (WITH CURB BOX)
4. SEE DETAIL D/C501 FOR INLET PROTECTION (WITHOUT CURB BOX)
5. EROSION CONTROL MATTING, ▨ SHALL BE CURLEX BY AMERICAN EXCELSIOR OR APPROVED EQUAL. INSTALL TO MANUFACTURER'S RECOMMENDATION.
6. SOD
7. ALL DISTURBED AREAS NOT PROTECTED WITH EROSION CONTROL MATTING OR SOD SHALL BE SEEDED AND MULCHED.
8. PROVIDE CONCRETE WASHOUT AREA PER DETAIL C/C501 . UNDER NO CIRCUMSTANCES SHALL CONCRETE WASHOUT BE ALLOWED IN ANY OTHER LOCATION ON THE SITE.

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Project Title:
GUNDERSEN CREDIT UNION
NEW BRANCH LOCATION - LA CROSSE

Project Location:
Mormon Coulee Road
La Crosse, Wisconsin

Sheet Title:
EROSION CONTROL PLAN

HSR Project Number:
25052

Project Date:
MARCH 2026

Drawn By:
C.G.

Key Plan:

BID SET

Revisions:

No.	Description	Date

Graphic Scale:
1" = 20'

Last Update:
03/13/2026

C300

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 7.5' 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.

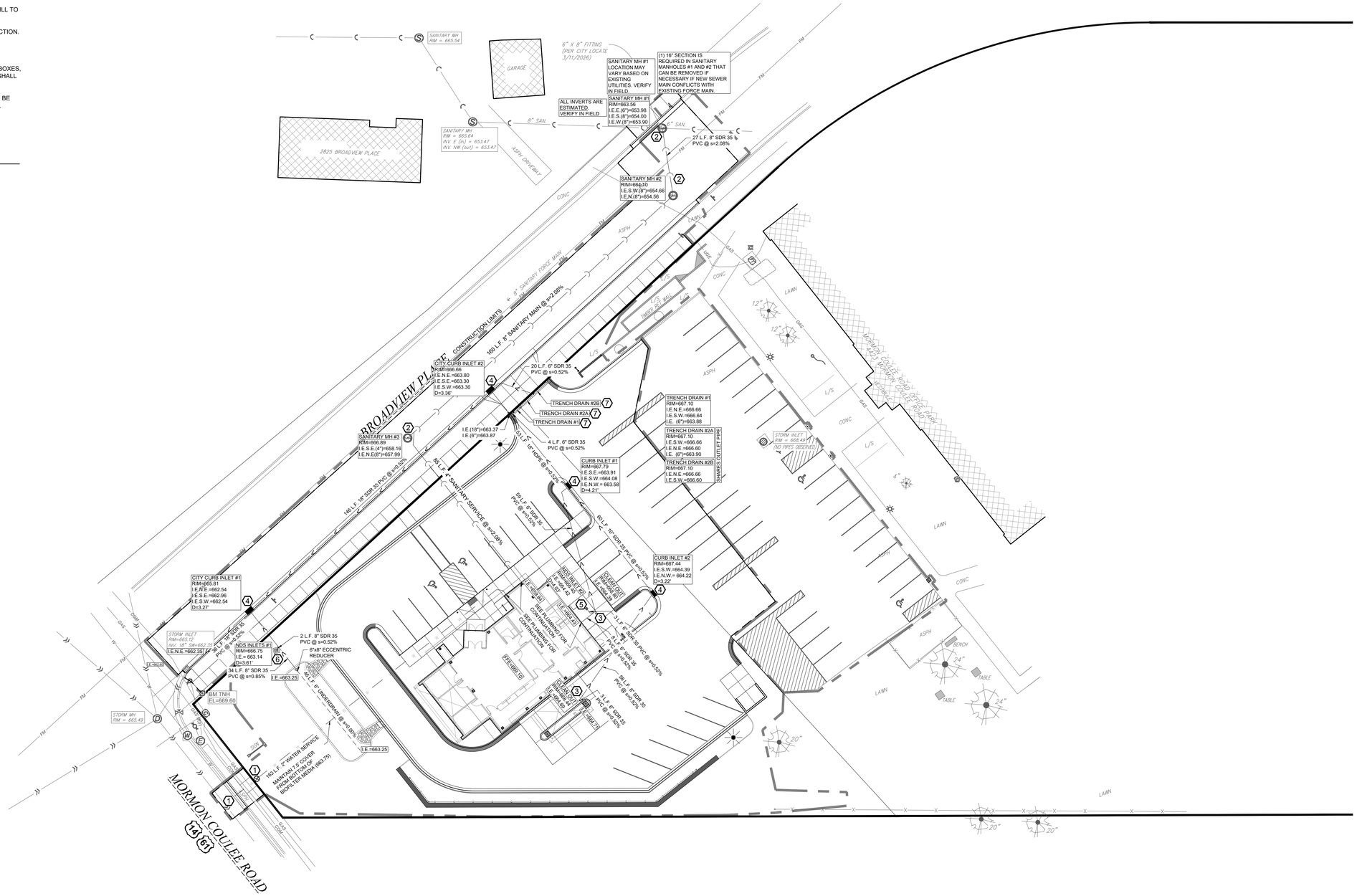
LOCATION REQUIREMENT: NON-METALLIC SEWER/MAINS AND SERVICES MUST BE PROVIDED WITH TRACE WIRE OR OTHER METHODS IN ORDER TO BE LOCATED.

SHOP DRAWINGS FOR UTILITIES ARE REQUIRED.

ALL SANITARY SERVICES ARE 4" IN DIAMETER.

UTILITY NOTES

1. SEE DETAIL E/C001 FOR CITY OF LA CROSSE SERVICE LATERAL
2. SEE SHEET C502 FOR CITY OF LA CROSSE SANITARY SEWER DETAILS
3. SEE DETAIL F/C001 FOR EXTERIOR CLEAN OUT
4. SEE DETAIL G/C001 FOR STORM SEWER INLET 3' X 2'
5. SEE DETAIL H/C001 FOR 12" NDS INLET
6. SEE DETAIL I/C001 FOR 18" NDS INLET
7. SEE DETAIL J/C001 FOR LINEAR TRENCH DRAIN



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PLAN SCALE: 1"=20'

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GUNDERSEN CREDIT UNION
NEW BRANCH LOCATION - LA CROSSE

Project Title:

Project Location: Mormon Coulee Road
La Crosse, Wisconsin

Sheet Title: **UTILITY PLAN**

HSR Project Number: **25052**

Project Date: **MARCH 2026**

Drawn By: **C.G.**

Key Plan:

BID SET

Revisions:

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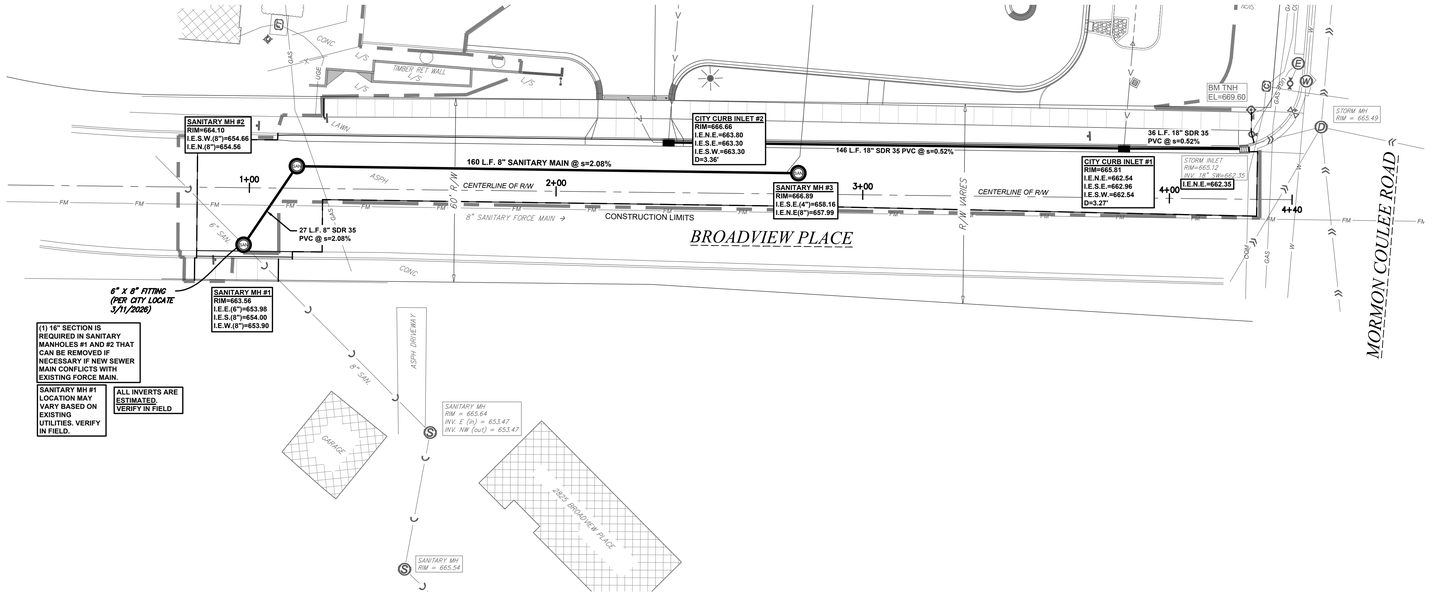
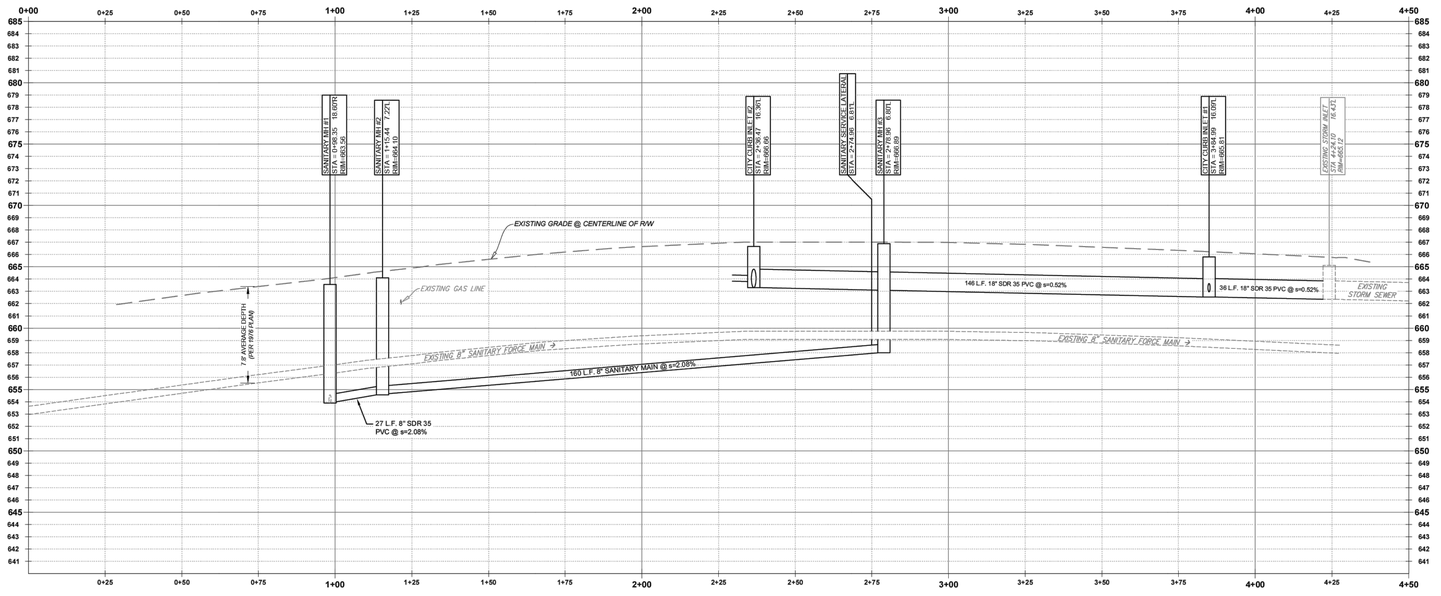
Graphic Scale: **1" = 20'**

Last Update: **03/13/2026**

C400

PROPOSED CITY STORM SEWER AND SANITARY SEWER IMPROVEMENTS





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NEW BRANCH LOCATION - LA CROSSE

Project Location: Mormon Coulee Road
La Crosse, Wisconsin

Sheet Title: **PROPOSED CITY STORM AND SANITARY IMPROVEMENTS**

HSR Project Number: **25052**

Project Date: **MARCH 2026**

Drawn By: **C.G.**

Key Plan:

BID SET

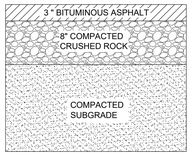
Revisions:

No.	Description	Date

Graphic Scale: **1" = 20'**

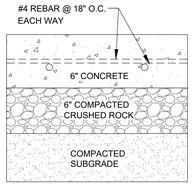
Last Update: **03/13/2026**

C401

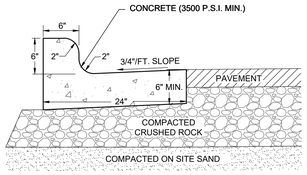


PLACE PAVEMENT USING
ONE 1 ½" SURFACE
LIFT OVER ONE 1 ½"
BINDER LIFT.

A / C100 ASPHALT PAVEMENT SECTION DETAIL
NO SCALE



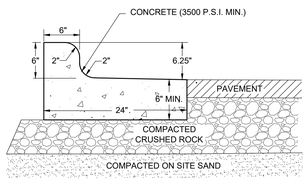
B / C100 CONCRETE PAVEMENT SECTION DETAIL
NO SCALE



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" GUTTER THICKNESS IS MAINTAINED

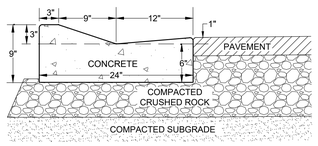
C / C100 TYPICAL 24" CURB AND GUTTER SECTION
NO SCALE



NOTE: 1 CONTROL JOINTS SHALL CONFORM WITH WISDOT 601.3.6

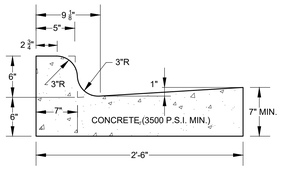
2 THE BOTTOM OF THE CURB AND GUTTER MAY BE CONSTRUCTED FLAT OR PARALLEL TO THE SLOPE OF THE BASE COURSE PROVIDED A MINIMUM 6" GUTTER THICKNESS IS MAINTAINED

D / C100 24" CURB AND GUTTER SECTION - REVERSE SLOPE
NO SCALE



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

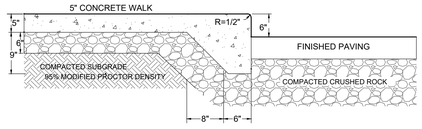
E / C100 TYPICAL 24" MOUNTABLE CURB & GUTTER
NO SCALE



NOTE:

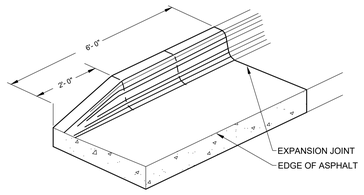
1. CONTROL JOINTS SHALL CONFORM WITH WISDOT 601.3.6
2. THE BOTTOM OF THE CURB AND GUTTER MAY BE CONSTRUCTED FLAT OR PARALLEL TO THE SLOPE OF THE BASE COURSE PROVIDED A MINIMUM 6" GUTTER THICKNESS IS MAINTAINED

F / C100 TYPICAL 30" CURB & GUTTER SECTION
NO SCALE

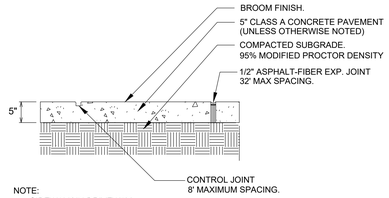


NOTE:
ROCK UNDER CURB TO BE SAME DEPTH TO SUBGRADE AS ADJACENT PAVEMENT. HOWEVER, NOT LESS THAN 6".

G / C100 INTEGRAL CURB/SIDEWALK SECTION
NO SCALE

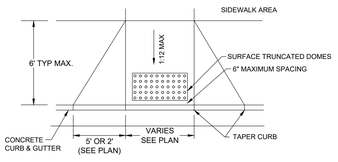


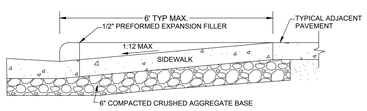
H / C100 END SECTION CURB & GUTTER
NO SCALE



NOTE:
SIDEWALK IN DRIVEWAY SECTIONS SHALL BE 6" THICK

I / C100 CONCRETE PAVING AND JOINTING
NO SCALE

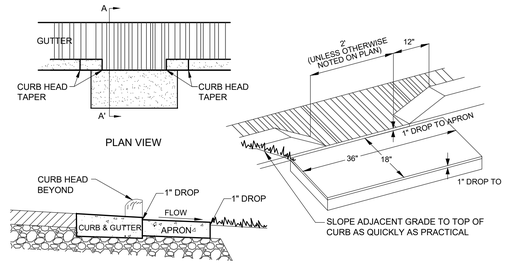




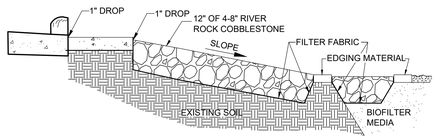
SECTION D-D
NO SCALE

NOTES:
- 2'x4' TRUCATED DOME PANELS SHALL BE CAST IRON
- THE SURFACE TEXTURE OF THE RAMP (EXCLUDING THE TRUNCATED DOME PANEL) SHALL BE A COARSE BROOMED FINISH, TRANSVERSE TO THE SLOPE OF THE RAMP.

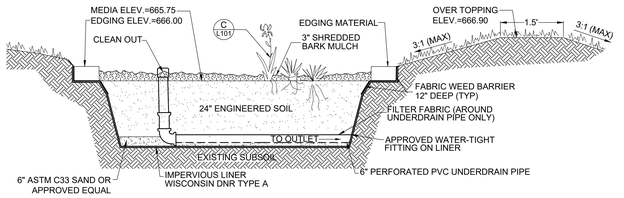
J / C100 SIDEWALK RAMP DETAIL
NO SCALE



K / C100 CURB CUT DETAIL
NO SCALE

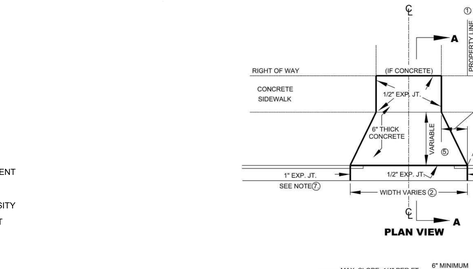


L / C100 SPLASH PAD SECTION
NO SCALE



NOTE: OBSERVATION OF THE BIOFILTER SUBGRADE IS REQUIRED PRIOR TO BACKFILLING IN ACCORDANCE WITH THE SPECIFICATIONS.

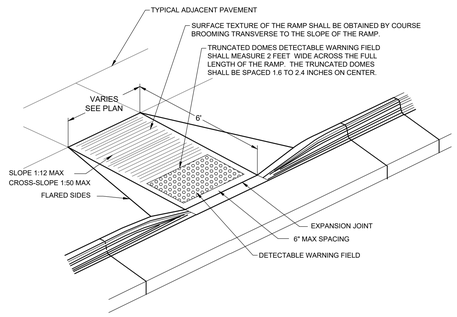
M / C100 BIOFILTER DETAIL
NO SCALE

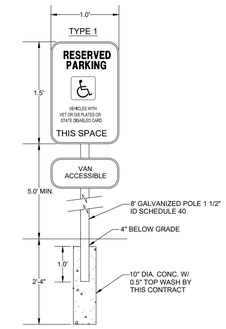


STANDARD DRIVEWAY DETAIL

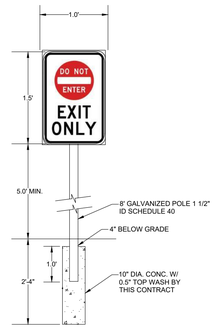
① DRIVE SECTION SHALL NOT OVERLAP PROPERTY LINE EXTENDED, EXCEPT WHERE PERMITTED BY THE ENGINEER, OR WHEN A JOINT DRIVEWAY AGREEMENT IS EXECUTED BY OWNERS OF ADJACENT PROPERTIES.
② MAXIMUM DRIVEWAY WIDTH AT THE CURB AND SIDEWALK IS SET FORTH IN CITY ORDINANCE SEC. 40-4. FINAL DIMENSIONS SHALL BE APPROVED BY THE ENGINEERING DEPARTMENT.
③ THE BREAKOVER ANGLE (CAUSE OF CARS BOTTOMING) BECOMES CRITICAL WHEN THE ALGEBRAIC DIFFERENCE OF GRADES (G1, G2, & G3) EXCEEDS 11%.
④ A REINFORCED DRIVE SECTION IS REQUIRED FOR CURB & GUTTER IN AREAS ZONED INDUSTRIAL OR COMMERCIAL.
⑤ BACK OF CURB TO FRONT OF CONCRETE SIDEWALK MUST BE CONCRETE, BRICK OR ASPHALT.
⑥ MECHANICAL COMPACTION OF SUBSOIL IN LAYERS LESS THAN 12" TO ACHIEVE MINIMUM COMPACTION OF 95% OF MAXIMUM DENSITY FROM MODIFIED PROCTOR IS REQUIRED. (INCLUDING STREET SIDE AFTER FORMS ARE REMOVED)
⑦ EXPANSION JOINT IS REQUIRED AT BOTH ENDS OF DRIVEWAY WHEN ONLY DRIVEWAY IS INSTALLED OR REPLACED. WHEN ENTIRE BLOCK OF CURB & GUTTER IS INSTALLED THE EXPANSION JOINT AT DRIVEWAY ENDS MAY BE OMITTED.
⑧ TURNING OF 2' DIAMETER DRIVEWAY RETURNS IN LIEU OF DIMINISHING CURB AS SHOWN IS PERMITTED IF DESIRED BY PROPERTY OWNER.
⑨ INSTALLATION OF A DRIVEWAY BY REMOVING EXISTING CURB ONLY IS NOT ALLOWED. ENTIRE EXISTING C&G MUST BE REMOVED FOR NEW DRIVEWAYS. SAWING & REMOVAL OF A MINIMUM 2' WIDTH OF ASPHALT STREET PAVEMENT TO INSTALL FRONT FORMS IS REQUIRED.

N / C100 STANDARD CONCRETE DRIVEWAY DETAIL
NO SCALE

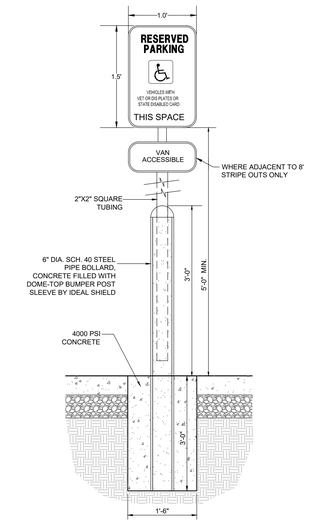




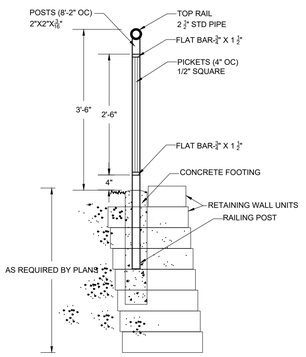
O / C100 DISABLED PARKING SIGN DETAIL
NO SCALE



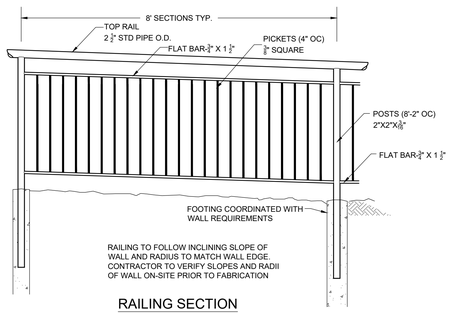
R / C100 EXIT ONLY SIGN DETAIL
NO SCALE



P / C100 DISABLED PARKING SIGN BOLLARD DETAIL
NO SCALE



SECTION



RAILING SECTION

Q / C100 WALL RAILING DETAIL
NO SCALE

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

HSR ASSOCIATES INC.
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LA CROSSE, WISCONSIN
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FAX: 608.782.5844
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Consultant:

PARAGON ASSOCIATES
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CIVIL ENGINEERING · LANDSCAPE ARCHITECTURE · SURVEYING
633 COPELAND AVENUE · LA CROSSE, WI 54603
Tel.608.781.3110 Fax.608.781.3197 Paragon-Assoc.biz

Project Title: **GUNDERSEN CREDIT UNION**
NEW BRANCH LOCATION - LA CROSSE

Project Location: Mormon Coulee Road
La Crosse, Wisconsin

Sheet Title: **DETAILS**

HSR Project Number: **25052**

Project Date: **MARCH 2026**

Drawn By: **C.G.**

Key Plan:

BID SET

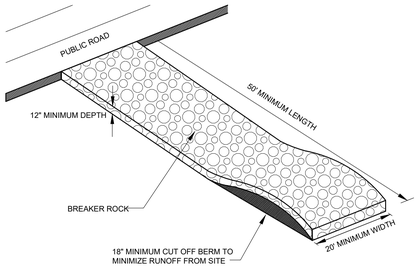
Revisions:

No.	Description	Date

Graphic Scale: **VARIES**

Last Update: **03/13/2026**

C500

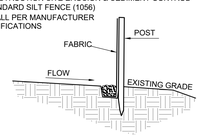


NOTES:
1. PLACE FILTER FABRIC (PROPEX 2002 OR EQUAL) UNDER BREAKER ROCK TO PREVENT MUD MIGRATION THROUGH ROCK.
2. ENTRANCE MUST BE MAINTAINED REGULARLY TO PREVENT SEDIMENTATION ON PUBLIC ROADWAYS. FUGITIVE ROCK WILL BE REMOVED FROM ADJACENT ROADWAYS DAILY OR MORE FREQUENTLY AS NECESSARY.

A C300 VEHICLE TRACKING CONTROL

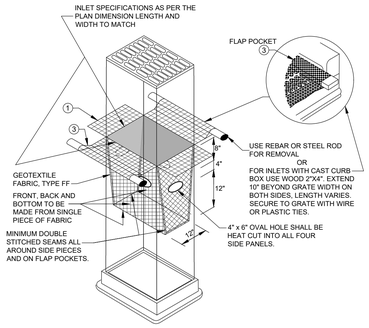
NO SCALE

NOTE:
-REFER TO:
WISCONSIN DEPARTMENT OF NATURAL RESOURCES CONSTRUCTION SITE EROSION & SEDIMENT CONTROL STANDARD SILT FENCE (1056)
-INSTALL PER MANUFACTURER SPECIFICATIONS



B C300 TYPICAL SILT FENCE INSTALLATION

NO SCALE



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH OR WITHOUT A CURB BOX AS PER NOTE 2)

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

GENERAL NOTES

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

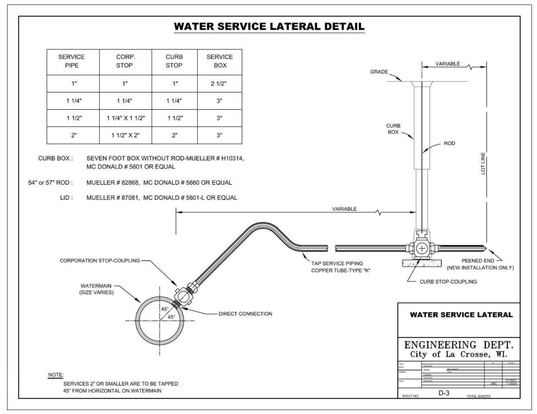
MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE WIS. D.O.T.'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

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" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
2. FOR INLET PROTECTION, TYPE C (WITH CURB BOX). AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
3. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

D C300 INLET PROTECTION, TYPE D

NO SCALE



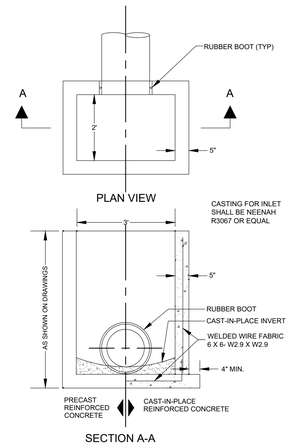
E C400 CITY OF LA CROSSE SERVICE LATERAL DETAIL

NO SCALE

CONCRETE PAD REQUIRED IN AREAS SUBJECT TO VEHICULAR TRAFFIC.

F C400 EXTERIOR CLEAN OUT DETAIL

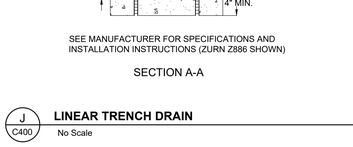
NO SCALE



SECTION A-A

G C400 STORM SEWER INLET 3' X 2'

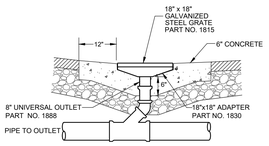
NO SCALE



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

H C400 12" NDS INLET

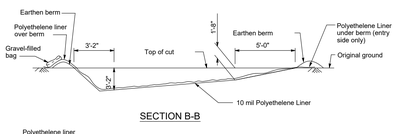
NO SCALE



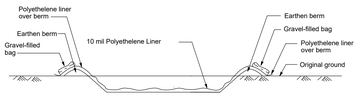
ALL PART NUMBERS ARE NDS PRODUCT NUMBERS:
NDS
PO BOX 339, 851 N. HARVARD AVE
LINDSAY, CA 93247
(800) 726-1994

I C400 18" NDS INLET

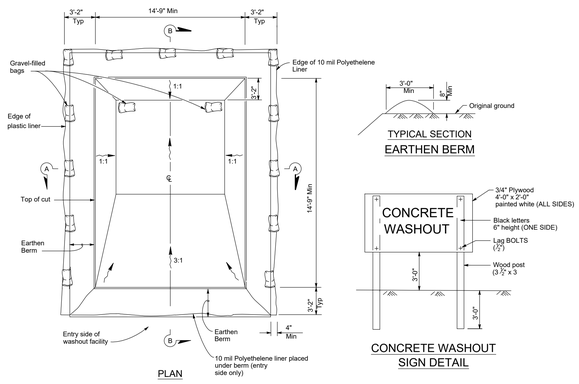
NO SCALE



SECTION B-B

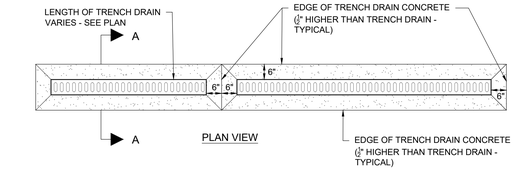


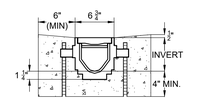
SECTION A-A



C C300 TEMPORARY CONCRETE WASHOUT FACILITY

NO SCALE





SEE MANUFACTURER FOR SPECIFICATIONS AND INSTALLATION INSTRUCTIONS (ZURN Z886 SHOWN)

SECTION A-A

J C400 LINEAR TRENCH DRAIN

No Scale

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

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100 MILWAUKEE STREET
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GUNDERSEN CREDIT UNION
NEW BRANCH LOCATION - LA CROSSE

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DETAILS

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Drawn By:
C.G.

Key Plan:

BID SET

Revisions:

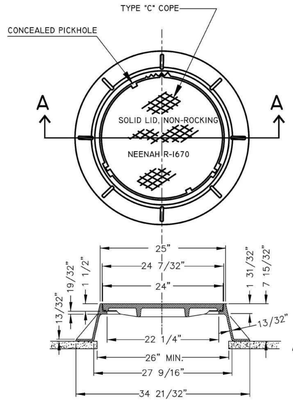
No.	Description	Date

Graphic Scale:
VARIES

Last Update:
03/13/2026

C501

DRAWING
NOT TO SCALE

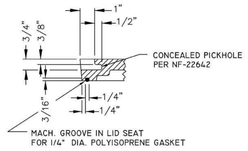


A – A

DETAIL OF MANHOLE FRAME & COVER

NEENAH R-1670 OR APPROVED EQUAL

B D-6



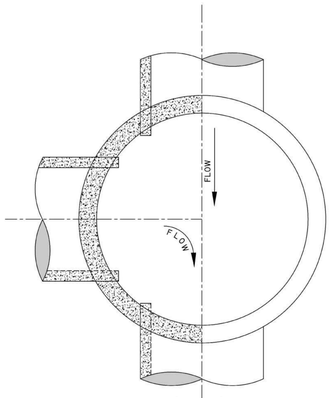
SELF-SEAL DETAIL

NOTE

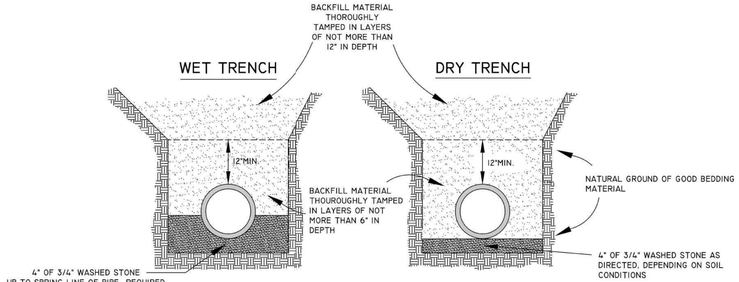
OPENING FOR FRAME & COVER SHALL BE CENTERED ON MANHOLES WITH FLAT TOPS.

SEWER PIPE JOINT MATERIALS

CONCRETE PIPE-RUBBER GASKET (ASTM C-443)
PVC PIPE- ELASTOMETRIC GASKET (ASTM D-3212 & F-477)

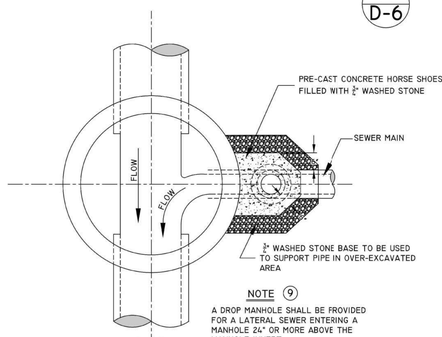


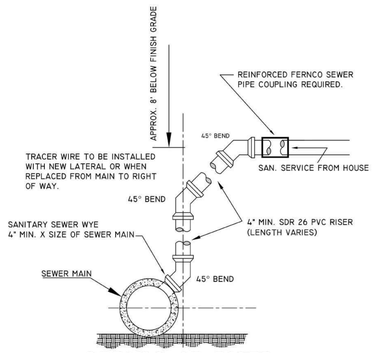
A – A



DETAILS OF SEWER TRENCHES

A D-6





DETAILS OF RISER FOR LATERAL CONNECTION

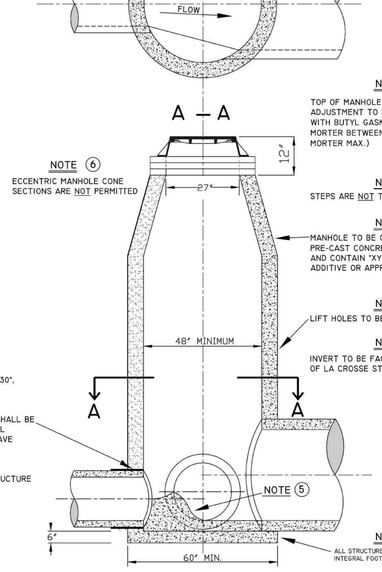
F D-6

NOTE (8)

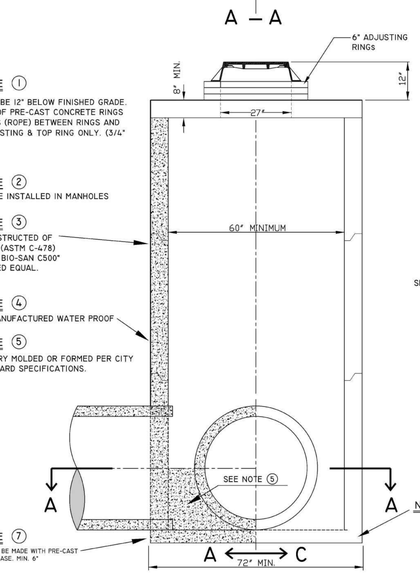
THE CONNECTION OF ALL PVC SANITARY SEWER PIPE, SIZE 6" TO 30", TO PRECAST MANHOLES OR OTHER STRUCTURES SHALL EMPLOY A WATERTIGHT, FLEXABLE PIPE-TO-MANHOLE CONNECTOR

THE CONNECTOR SHALL CONSIST OF A SINGLE RUBBER GASKET, SHALL BE CONSTRUCTED SOLELY OF SYNTHETIC OR NATURAL RUBBER, SHALL MEET/EXCEED THE REQUIREMENTS OF ASTM C 923, AND SHALL HAVE A MINIMUM TENSILE STREGHTH OF 1600 PSI

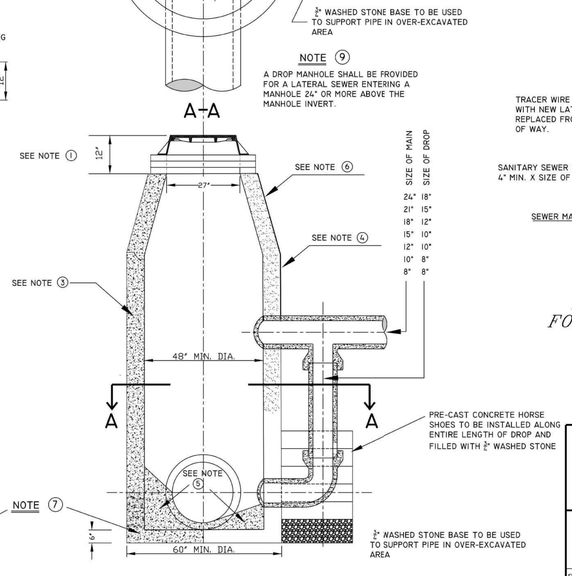
THE CONNECTOR SHALL BE THE SOLE ELEMENT RELIED ON TO ASSURE A FLEXIBLE, WATERTIGHT SEAL OF THE PIPE TO THE STRUCTURE



C D-6 DETAILS OF STANDARD MANHOLE FOR 30" PIPE OR SMALLER



D D-6 DETAILS OF STANDARD MANHOLE FOR 36" PIPE OR LARGER



E D-6 DETAILS OF DROP MANHOLE FOR 30" PIPE OR SMALLER

SANITARY SEWER DETAILS

D-6

ENGINEERING DEPT.
City of LaCrosse, Wis.

				BY	DATE
FIELD BOOK	SURVEYED				
	DRAWN	PRELIMINARY			
NUMBER		FINAL			
	CHECKED				
PAGE	APPROVED				
	REVISIONS	M.D.F. 5/03	J.M.C. 6/2015	J.M.C.	11/2025
		J.M.C. 9/03	BFM 8/2019		
		M.D.F. 4/06	J.M.C. 8/2019		
SCALE: NONE		M.D.F. 10/10	BFM 11/2019		
		M.D.F. 4/13	J.M.C. 11/2023		
			J.M.C. 11/2024		

(D-6) sanitary sewer_detail

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN

HSR ASSOCIATES INC.
100 MILWAUKEE STREET
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Consultant:

PARAGON ASSOCIATES
Environmental Design & Consulting
CIVIL ENGINEERING | LANDSCAPE ARCHITECTURE | SURVEYING
633 COPELAND AVENUE, LA CROSSE, WI 54603
Tel.608.781.3110 Fax.608.781.3197 Paragon-Assoc.biz

Project Title: GUNDERSEN CREDIT UNION
NEW BRANCH LOCATION - LA CROSSE

Project Location: Mormon Coulee Road
La Crosse, Wisconsin

Sheet Title: CITY OF LA CROSSE SANITARY DETAILS

HSR Project Number: 25052

Project Date: MARCH 2026

Drawn By: C.G.

Key Plan:

BID SET

Revisions:

No.	Description	Date

Graphic Scale: VARIES

Last Update: 03/13/2026

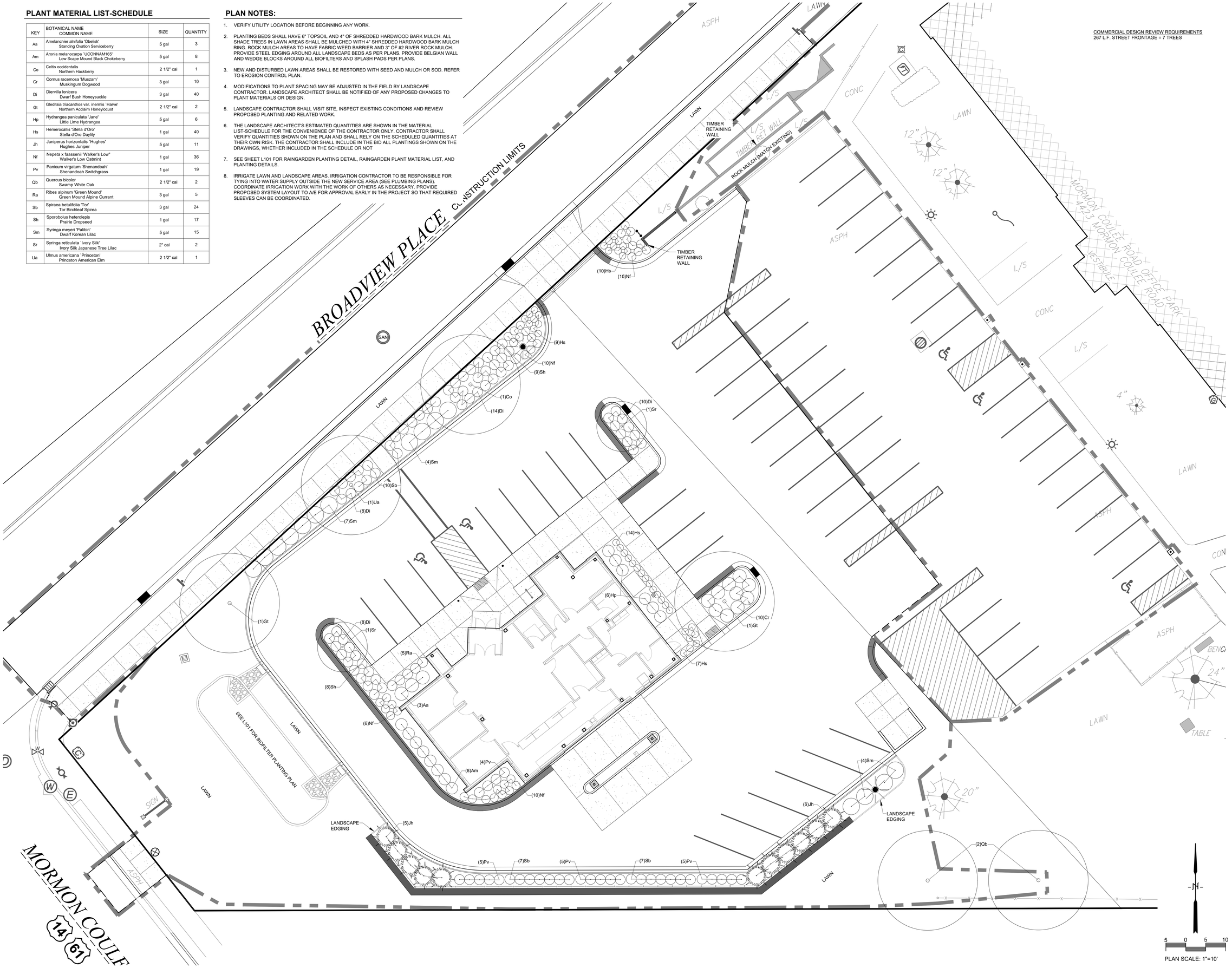
C502

PLANT MATERIAL LIST-SCHEDULE

KEY	BOTANICAL NAME COMMON NAME	SIZE	QUANTITY
Aa	Amelanchier alnifolia 'Obelisk' Standing Ovation Serviceberry	5 gal	3
Am	Aronia melanocarpa `UCONNAM165' Low Scape Mound Black Chokeberry	5 gal	8
Co	Celtis occidentalis Northern Hackberry	2 1/2" cal	1
Cr	Cornus racemosa 'Muszam' Muskingum Dogwood	3 gal	10
Di	Diervilla lonicera Dwarf Bush Honeysuckle	3 gal	40
Gt	Gleditsia triacanthos var. inermis `Harve' Northern Acclaim Honeylocust	2 1/2" cal	2
Hp	Hydrangea paniculata `Jane' Little Lime Hydrangea	5 gal	6
Hs	Hemerocallis 'Stella d'Oro' Stella d'Oro Daylily	1 gal	40
Jh	Juniperus horizontalis `Hughes' Hughes Juniper	5 gal	11
Nf	Nepeta x faassenii 'Walker's Low" Walker's Low Catmint	1 gal	36
Pv	Panicum virgatum 'Shenandoah' Shenandoah Switchgrass	1 gal	19
Qb	Quercus bicolor Swamp White Oak	2 1/2" cal	2
Ra	Ribes alpinum 'Green Mound' Green Mound Alpine Currant	3 gal	5
Sb	Spiraea betulifolia 'Tor' Tor Bircheaf Spirea	3 gal	24
Sh	Sporobolus heterolepis Prairie Dropseed	1 gal	17
Sm	Syringa meyeri 'Palibin' Dwarf Korean Lilac	5 gal	15
Sr	Syringa reticulata `Ivory Silk' Ivory Silk Japanese Tree Lilac	2" cal	2
Ua	Ulmus americana `Princeton' Princeton American Elm	2 1/2" cal	1

PLAN NOTES:

1. VERIFY UTILITY LOCATION BEFORE BEGINNING ANY WORK.
2. PLANTING BEDS SHALL HAVE 6" TOPSOIL AND 4" OF SHREDDED HARDWOOD BARK MULCH. ALL SHADE TREES IN LAWN AREAS SHALL BE MULCHED WITH 4" SHREDDED HARDWOOD BARK MULCH RING. ROCK MULCH AREAS TO HAVE FABRIC WEED BARRIER AND 3" OF #2 RIVER ROCK MULCH. PROVIDE STEEL EDGING AROUND ALL LANDSCAPE BEDS AS PER PLANS. PROVIDE BELGIAN WALL AND WEDGE BLOCKS AROUND ALL BIOFILTERS AND SPLASH PADS PER PLANS.
3. NEW AND DISTURBED LAWN AREAS SHALL BE RESTORED WITH SEED AND MULCH OR SOD. REFER TO EROSION CONTROL PLAN.
4. MODIFICATIONS TO PLANT SPACING MAY BE ADJUSTED IN THE FIELD BY LANDSCAPE CONTRACTOR. LANDSCAPE ARCHITECT SHALL BE NOTIFIED OF ANY PROPOSED CHANGES TO PLANT MATERIALS OR DESIGN.
5. LANDSCAPE CONTRACTOR SHALL VISIT SITE, INSPECT EXISTING CONDITIONS AND REVIEW PROPOSED PLANTING AND RELATED WORK.
6. THE LANDSCAPE ARCHITECT'S ESTIMATED QUANTITIES ARE SHOWN IN THE MATERIAL LIST-SCHEDULE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. CONTRACTOR SHALL VERIFY QUANTITIES SHOWN ON THE PLAN AND SHALL RELY ON THE SCHEDULED QUANTITIES AT THEIR OWN RISK. THE CONTRACTOR SHALL INCLUDE IN THE BID ALL PLANTINGS SHOWN ON THE DRAWINGS, WHETHER INCLUDED IN THE SCHEDULE OR NOT
7. SEE SHEET L101 FOR RAINGARDEN PLANTING DETAIL, RAINGARDEN PLANT MATERIAL LIST, AND PLANTING DETAILS.
8. IRRIGATE LAWN AND LANDSCAPE AREAS. IRRIGATION CONTRACTOR TO BE RESPONSIBLE FOR TYING INTO WATER SUPPLY OUTSIDE THE NEW SERVICE AREA (SEE PLUMBING PLANS). COORDINATE IRRIGATION WORK WITH THE WORK OF OTHERS AS NECESSARY. PROVIDE PROPOSED SYSTEM LAYOUT TO A/E FOR APPROVAL EARLY IN THE PROJECT SO THAT REQUIRED SLEEVES CAN BE COORDINATED.



COMMERCIAL DESIGN REVIEW REQUIREMENTS
267 L.F. STREET FRONTAGE = 7 TREES

PLAN SCALE: 1"=10'

ARCHITECTURE
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633 COPELAND AVENUE · LA CROSSE, WI 54603
Tel.608.781.3110 Fax.608.781.3197 Paragon-Assoc.biz

Project Title: **GUNDERSEN CREDIT UNION**
NEW BRANCH LOCATION - LA CROSSE

Project Location: Mormon Coulee Road
La Crosse, Wisconsin

Sheet Title: **LANDSCAPE PLAN**

HSR Project Number: **25052**

Project Date: **MARCH 2026**

Drawn By: **C.G.**

Key Plan:

BID SET

Revisions:

No.	Description	Date

Graphic Scale: **1" = 10'**

Last Update: **03/13/2026**

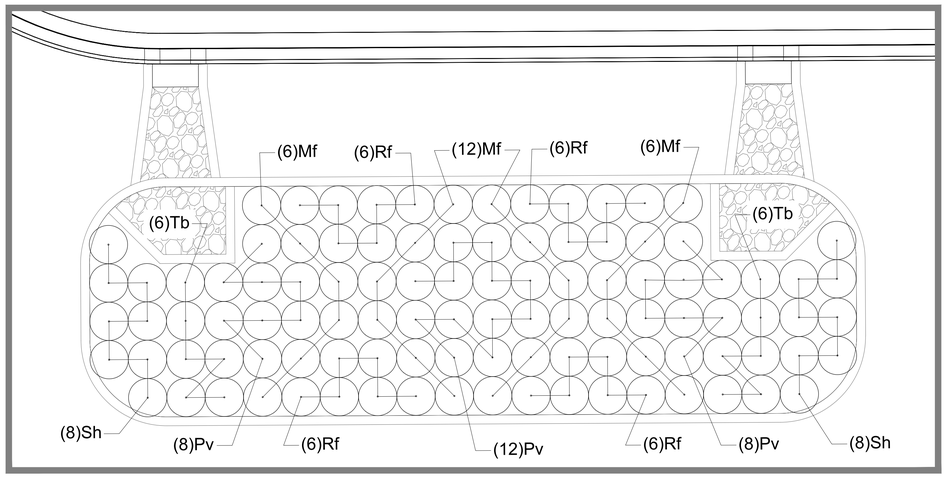
L100

PLANT MATERIAL LIST-SCHEDULE (BIOFILTER)

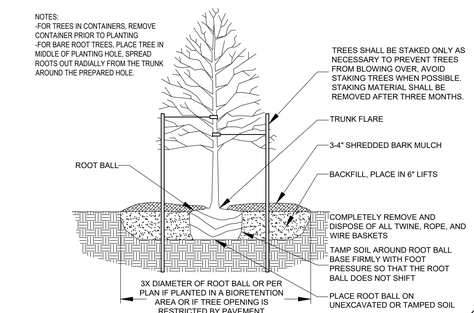
KEY	BOTANICAL NAME COMMON NAME	SIZE	QUANTITY
Mf	Monarda fistulosa Bergamot	4" pot	24
Pv	Panicum virgatum Switchgrass	4" pot	28
Rf	Rudbeckia fulgida 'Blovi' Viette's Little Suzy Black-eyed Susan	4" pot	24
Sh	Sporobolus heterolepis Prairie Dropseed	4" pot	16
Tb	Tradescantia bracteata Prairie Spiderwort	4" pot	12

PLAN NOTES:

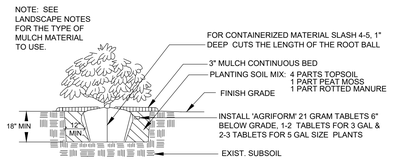
1. VERIFY UTILITY LOCATION BEFORE BEGINNING ANY WORK.
2. PROVIDE BELGIAN WALL AND WEDGE BLOCKS AROUND ALL BIOFILTERS AND SPLASH PADS PER PLANS.
3. MODIFICATIONS TO PLANT SPACING MAY BE ADJUSTED IN THE FIELD BY LANDSCAPE CONTRACTOR. LANDSCAPE ARCHITECT SHALL BE NOTIFIED OF ANY PROPOSED CHANGES TO PLANT MATERIALS OR DESIGN.
4. LANDSCAPE CONTRACTOR SHALL VISIT SITE, INSPECT EXISTING CONDITIONS AND REVIEW PROPOSED PLANTING AND RELATED WORK.
5. THE LANDSCAPE ARCHITECT'S ESTIMATED QUANTITIES ARE SHOWN IN THE MATERIAL LIST-SCHEDULE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. CONTRACTOR SHALL VERIFY QUANTITIES SHOWN ON THE PLAN AND SHALL RELY ON THE SCHEDULED QUANTITIES AT THEIR OWN RISK. THE CONTRACTOR SHALL INCLUDE IN THE BID ALL PLANTINGS SHOWN ON THE DRAWINGS, WHETHER INCLUDED IN THE SCHEDULE OR NOT
6. SEE SHEET L100 FOR SITE LANDSCAPE PLAN AND PLANTING LIST. SEE SHEET C500, DETAIL "L" FOR SPLASH PAD SECTION AND DETAIL "M" FOR BIOFILTER DETAIL.



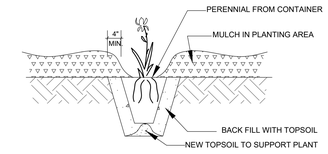
BIOFILTER PLANTING PLAN PLAN SCALE: 1/4"=1'-0"



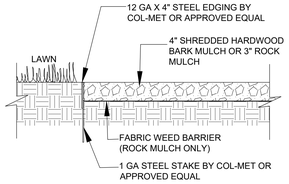
A L101 **TREE PLANTING DETAIL - ALL TREES**
NO SCALE



B L101 **SHRUB PLANTING DETAIL**
NO SCALE



C L101 **POTTED PLANTS PLANTING DETAIL**
NO SCALE



D L101 **LANDSCAPE EDGING DETAIL**
NO SCALE

ARCHITECTURE
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Project Title: **GUNDERSEN CREDIT UNION**
NEW BRANCH LOCATION - LA CROSSE

Project Location: Mormon Coulee Road
La Crosse, Wisconsin

Sheet Title: **LANDSCAPE DETAILS**

HSR Project Number: **25052**

Project Date: **MARCH 2026**

Drawn By: **C.G.**

Key Plan:

BID SET

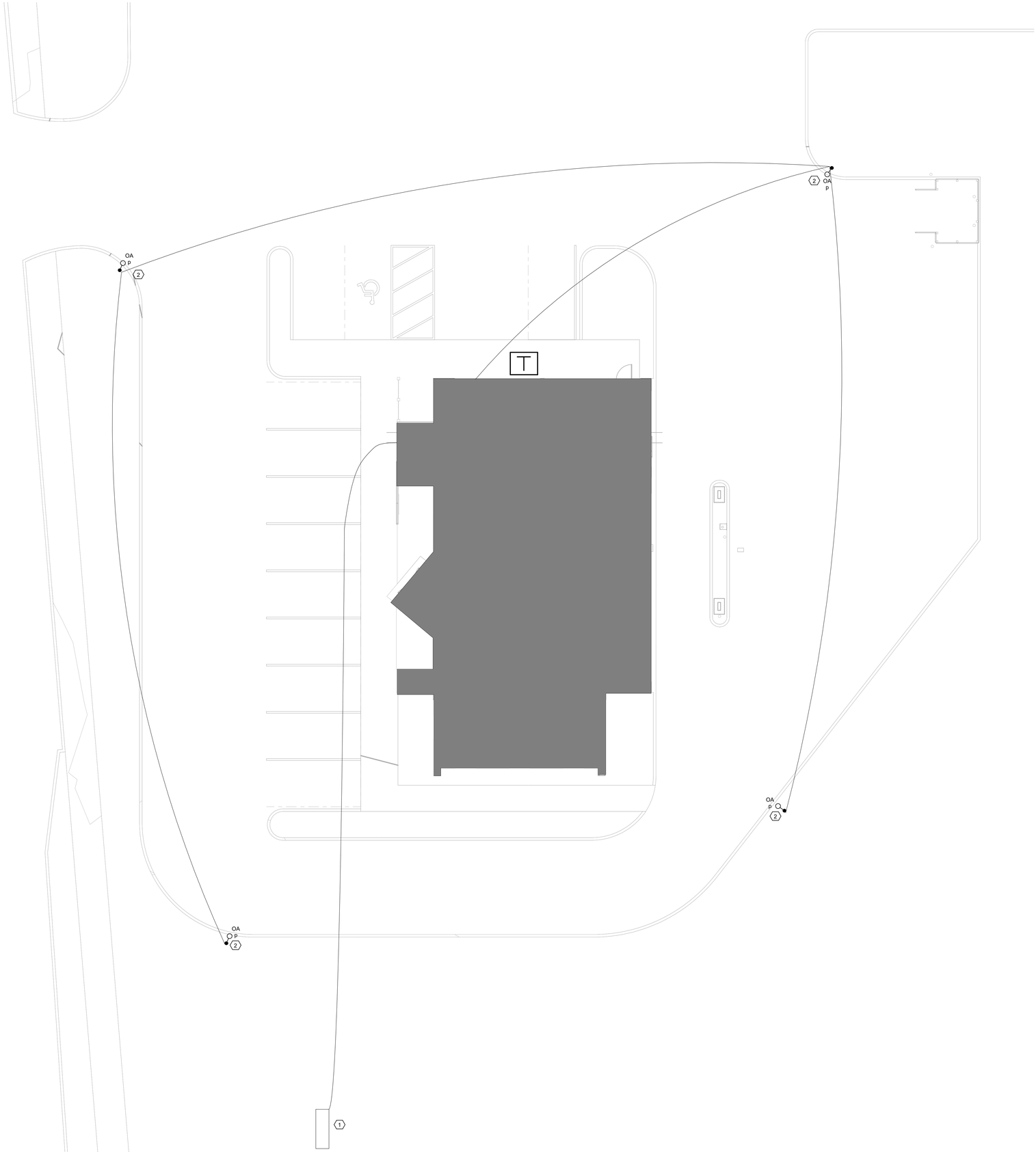
Revisions:

No.	Description	Date

Graphic Scale: **VARIES**

Last Update: **03/13/2026**

L101



1 SITE PLAN

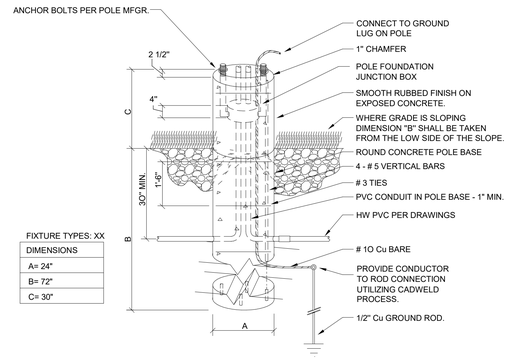
1/8" = 1'-0"

GENERAL NOTES :

A	PROVIDE GROUND CONDUCTOR IN ALL RACEWAYS.
B	PROVIDE FIRE STOPPING AND SMOKE DRAFT STOPPING AT ALL CONDUIT PENETRATIONS. REFER TO SPECIFICATION SECTION 07 84 00 FOR FIRE RESISTIVE AND NON-FIRE RESISTIVE ASSEMBLIES.
C	THE WORD "PROVIDE" MEANS TO FURNISH AND INSTALL
D	PROVIDE DRAWSTRINGS IN ALL CONDUITS.
E	SEE ARCHITECTURAL SHEETS FOR RELEVANT INTERIOR ELEVATIONS, SECTIONS AND MISCELLANEOUS BUILDING INFORMATION REQUIRED TO COMPLETE THE ELECTRICAL INSTALLATION.
F	CONTROL FOR ALL SITE LIGHTS TO BE PHOTO ON/TIME CLOCK OFF.
G	ALL RECESSED FIXTURES WHICH PENETRATE THE BUILDING ENVELOPE (FROM HEATED SPACE TO A NON HEATED SPACE) SHALL BE PROPERLY SEALED OR BOXED OUT TO ELIMINATE AIR PASSING THROUGH TO ANOTHER SPACE.
H	USE A COMMON TRENCH FOR POWER AND LOW VOLTAGE. REFER TO NEC 830.133.
	POLE MOUNTED AREA LIGHTING FIXTURE(S) - SINGLE LUMINAIRE

KEY NOTES : (#)

1.	PROVIDE UNDERGROUND CONDUIT AND FEEDER TO EXISTING SIGN FROM PANEL. PROVIDE 120V 20AMP CIRCUIT.
2.	PROVIDE UNDERGROUND CONDUIT AND FEEDER TO SITE LIGHTING POLE. CIRCUIT FROM PANEL. CONTROL BY PHOTOCELL ON FIXTURE. "p" INDICATES PHOTOCELL CONTROL.



FIXTURE TYPES: XX

DIMENSIONS
A= 24"
B= 72"
C= 30"

2 30in POLE BASE DETAIL

NTS

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100 MILWAUKEE STREET
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FAX: 608.782.5844
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Consultant:

Project Title: **GUNDERSEN CREDIT UNION BRANCH**

Project Location: **MORMON COULEE ROAD LA CROSSE, WI 54601**

Sheet Title: **ELECTRICAL SITE PLAN**

HSR Project Number: **25052**

Project Date: **MARCH 2026**

Drawn By: **HSR**

Key Plan:

BID SET

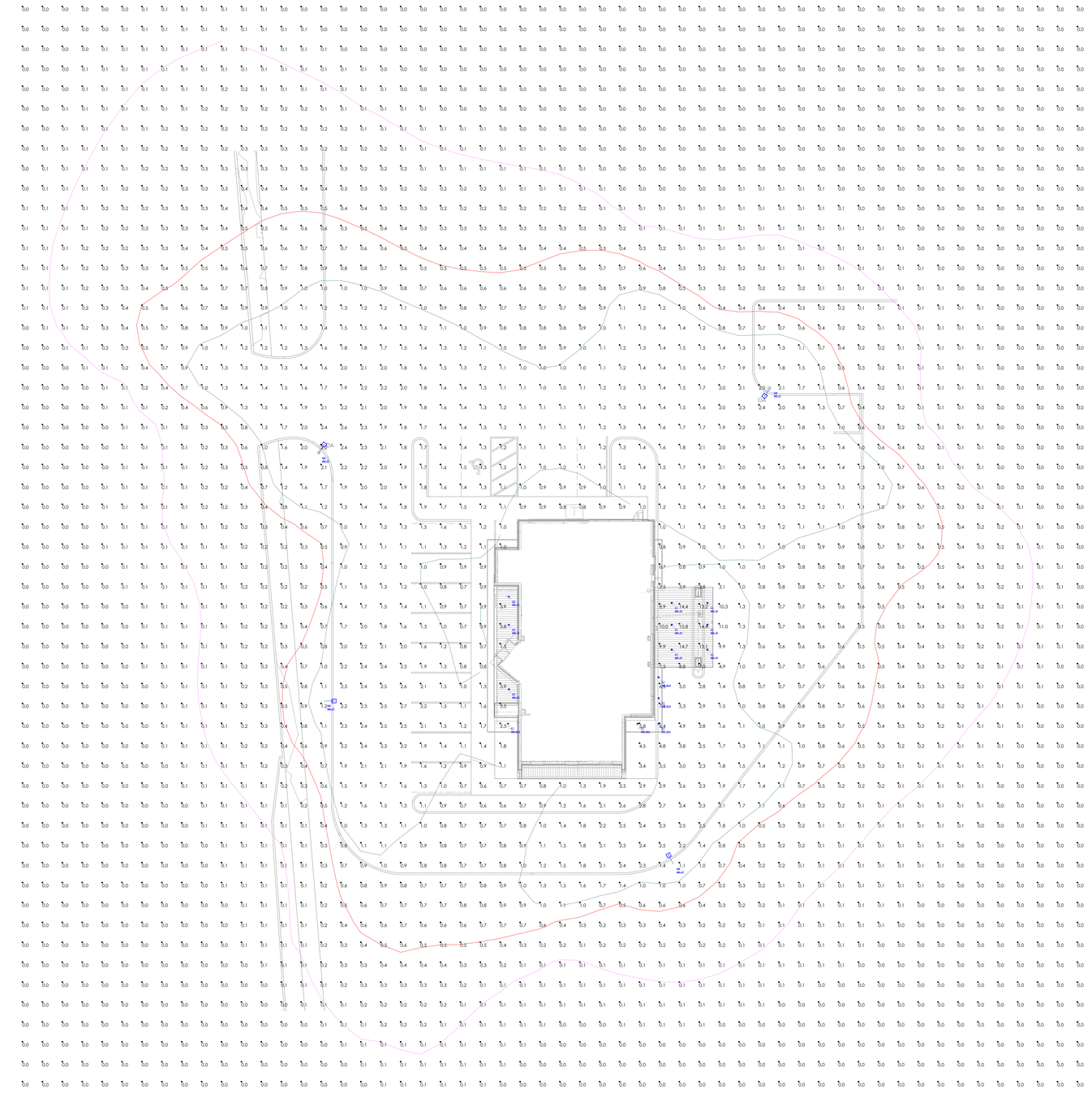
Revisions:

No.	Description	Date

Graphic Scale: 0' 2' 4' 8' 12'

Last Update: **3/17/2026 9:46:37 AM**

E001



Calculation Summary							
Scenario: NORMAL							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
SITE	Illuminance	Fc	0.50	15.8	0.0	N.A.	N.A.

Luminaire Schedule								
Scenario: NORMAL								
Symbol	Qty	Label	Manufacturer	Description	Arrangement	Lum. Lumens	Lum. Watts	LLF
	11	C1	COOPER LIGHTING SOLUTIONS - HALO COMMERCIAL	HCD6MFRQC-HCDQC-LS510-CS-D HCD62T-R-C	Single	1148	10	0.900
	3	C2	COOPER LIGHTING SOLUTIONS - HALO COMMERCIAL	HCD6MFRQC-HCDQC-LS510-CS-D HCD62T-R-C	Single	520	5	0.900
	2	OA	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	PRV-PA2A-740-U-T4W (25' POLE WITH 2' BASE)	Single	15560	112	0.900
	2	OB	COOPER LIGHTING SOLUTIONS - LUMARK (FORMERLY EATON)	PRV-PA1B-740-U-T2R (25' POLE WITH 2' BASE)	Single	9896	74	0.900

1. Standard Reflectance of 80/50/20 unless noted otherwise
2. Not a Construction Document, for Design purposes only
3. Standard indoor calc points @ 30" A.F.F. unless noted otherwise
4. Standard outdoor calc points @ Grade unless noted otherwise
5. Egress calc points @ 0" A.F.F.
6. Mlazgar Associates assumes no responsibility for installed light levels due to field conditions, etc.

MLAZGAR ASSOCIATES
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(f) 952-943-8088
www.mlazgar.com

MLAZGAR ASSOCIATES

#	Date	Comments

Revisions

RLMA Project #: 185192
Drawn By: EP
Date:3/10/2026

Scale: 1" = 15' 0"

PHOTOMETRIC SITE PLAN

GUNDERSON CREDIT UNION
LACROSSE, WI

ELM-LED-807

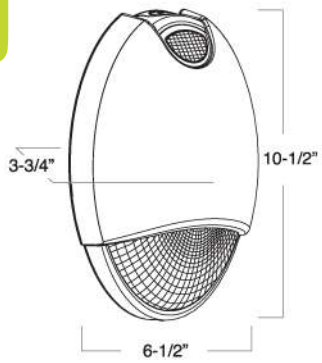
Outdoor Die-Cast LED Emergency Light with Battery Back-Up

Architectural

Catalog Number:	ELM-LED-807
Project Name:	**Type:**
Note:	

MAXILUME ARCHITECTURAL LIGHTING

LED



FEATURES
This luminaire is an excellent choice when an attractive emergency light is required. In case of AC power loss, it provides a minimum of 120 minutes of illumination. A trouble-free lead-calcium battery and integral photocell is provided with the luminaire, with a mirror-bright reflector and prismatic polycarbonate refractor.

HOUSING
- Decorative, low-profile, architectural design
- Die-cast aluminum housing
- Durable powder coat finishes in white, black and bronze
- Sealed and gasketed

MOUNTING
- Surface mount via easy connect back plate that fits most standard size junction boxes
- Conduit mount via rigid conduit entry provision on top of the unit.

ELECTRICAL
- Dual 120V/277V
- Charge rate/power "ON" LED indicator light and push to test switch for mandated code compliance testing
- Can be used in AC mode and EMG mode

LAMPS
- Long lasting, efficient ultra-bright white LED
- 6W LED per unit

BATTERY
- 4.8V long-life, maintenance-free, rechargeable NiCd battery
- Internal solid-state transfer switch automatically connects the internal battery to LED board for minimum 90-minute emergency illumination.
- Fully automatic solid-state, two-rate charger initiates battery charging to recharge a discharged battery in 24 hours

TESTING
- Test Button
- Solid state line latched low voltage disconnect to avoid deep discharge
- Safeguarded against short circuits
- Power is automatically interrupted in cases of brown-out

WARRANTY/LISTING
- 5 year warranty on all electronics and housing (Battery pro-rated for five years)
- Meets UL924 NFPA101 Life Safety Code, NEC, OSHA , Local and State Codes.
- UL for wet locations (0º-50ºC)

OPTIONS
- Internal Heater for cold temperature applications lets the fixture work at the temperatures down to -10°C / 15°F

LISTING
- UL listed for 10°C - 40°C
- Wet location

5 YEAR Limited Warranty

c UL us LISTED

FOR WET LOCATION

SELF-DIAGNOSTIC SDT

2 YEARS LIMITED WARRANTY

ELM-LED-807 - ITEM SELECTOR: (Please check the boxes below for the option desired)

HOUSING COLOR	OPTIONS
☐ **WH** - White	☐ **HTR** - Internal Heater
☐ **BZ** - Bronze	
☐ **BK** - Black	
☐ **AL** Aluminum	

Specified:

ELM-LED-807 _____ _____

HOUSING COLOR OPTIONS

ELM-LED-807

Outdoor Die-Cast LED Emergency Light with Battery Back-Up

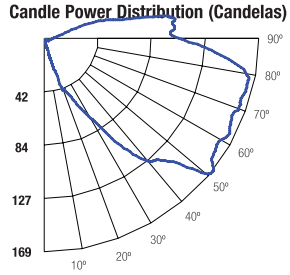
Architectural

Catalog Number:	
Project Name:	**Type:**
Note:	MAXILUME ARCHITECTURAL LIGHTING

ELM-LED-807 **TEST NO.: EL12131939**

INPUT WATTS: **3.5** LUMENS: **319** CRI: **N/A** EFFICACY: **91** CCT: **N/A** SPACING CRITERIA: **3.98**

Candle Power Distribution (Candelas)



Cone of Light			
2	2.94	2.5	3.5
4	0.78	4.8	6.9
6	0.34	7.3	10.4
8	0.19	9.7	14.0
10	0.12	12.1	17.3
12	0.09	14.5	20.8
(FT.)Distance to Plane	(FC.) Initial Footcandle at Nadir	(FT.) Beam Vert. Spread	(FT.) Beam Horiz. Spread

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	4.64	1.50	1.50
0-30	13.40	4.20	4.20
0-40	31.18	9.80	9.80
0-60	101.72	31.90	31.90
0-80	200.06	62.80	62.80
0-90	247.48	77.70	77.70

Luminance (Average candela/M^2)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	199	360	905
55	165	332	975
65	183	328	1150
75	382	440	1575
85	1493	1222	3331

Lumens Per Zone

Zone	Lumens
0-10	0.90
10-20	3.74
20-30	8.76
30-40	17.78
40-50	29.87
50-60	40.67
60-70	47.81
70-80	50.53
80-90	47.42

Candela Tabulation

	0
0	8.505
5	6.760
15	4.760
25	3.180
35	2.080
45	1.310
55	0.880
65	0.720
75	0.920
85	1.210
90	1.350

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

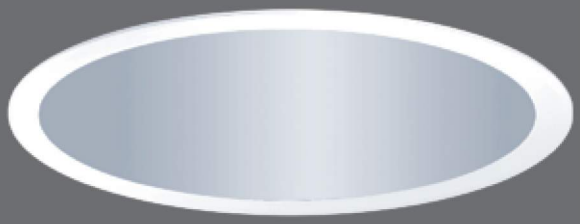
RC	80%				70%				50%			30%			10%			0%
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
ROOM CAVITY RATIO 0	114	114	114	114	108	108	108	108	99	99	99	90	90	90	82	82	82	78
1	96	88	81	74	91	83	77	71	75	69	65	67	63	59	59	56	53	49
2	84	72	62	54	79	68	59	52	61	53	47	54	48	42	47	42	38	34
3	75	60	50	41	70	57	47	39	51	42	35	45	38	32	39	33	29	25
4	67	52	41	32	63	49	39	31	43	35	28	38	31	25	33	27	22	19
5	61	45	34	26	57	42	32	25	38	29	22	33	26	20	29	23	18	15
6	55	40	29	21	52	37	28	20	33	25	18	29	22	17	26	19	15	12
7	51	35	25	18	48	33	24	17	30	21	15	26	19	14	23	17	12	10
8	47	32	22	15	44	30	21	15	27	19	13	24	17	12	21	15	10	8
9	44	29	19	13	41	27	18	13	24	17	11	21	15	10	19	13	9	7
10	41	26	17	12	38	25	16	11	22	15	10	20	13	9	17	12	8	6

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

MAXILUME ARCHITECTURAL LIGHTING
By Elite Lighting

HH6-LED
6” Architectural High Lumen LED Downlight

6”



HH6-6501
Flanged Downlight

HH6-6507
Flanged Wall Wash

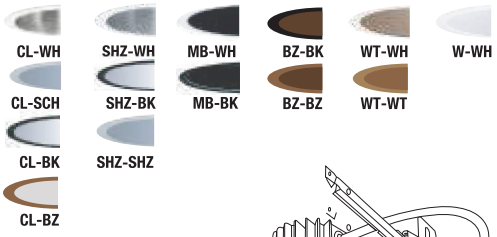
HH6-6577
Flanged Double Wall Wash

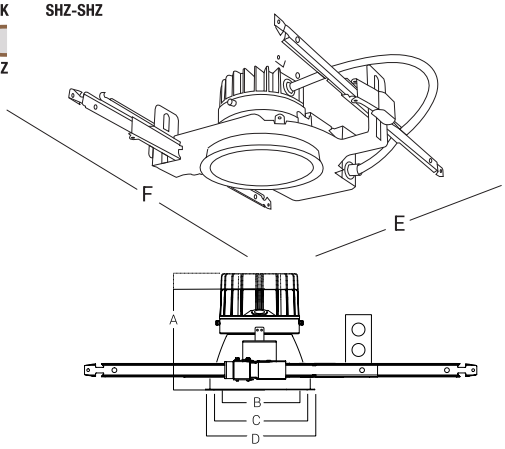
HH6-TL-6501
Trimless Downlight

HH6-TL-6507
Trimless Wall Wash

HH6-TL-6534
Polycarbonate “Dead Front” Trim with Polycarbonate ClearLens

REFLECTOR/ FLANGE COLORS





A 900L to 4000L: Height = 5-5/8”
A 6000L to 8000L: Height = 9”
B: Trim Aperture = 6-3/6”
C: Cut-Out = 6-13/16”
D: Trim Outside Dia = 7-3/8”
E: Width = 16”
F: Length = 20-33”

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
6000	5979	61 W
4000	3979	38 W
3000	3512	32 W
2000	2252	20 W
1500	1785	15 W
1200	1398	12W
900	1065	9 W
NOMINAL LUMENS (HP)	DELIVERED LUMENS (HP)	WATTAGE (HP)
1200	1422	10 W
2000	2102	18W
3000	3259	28W

Based on 4000K, 90+CRI with semi-specular chrome reflector.
Actual wattage may vary +/-5%

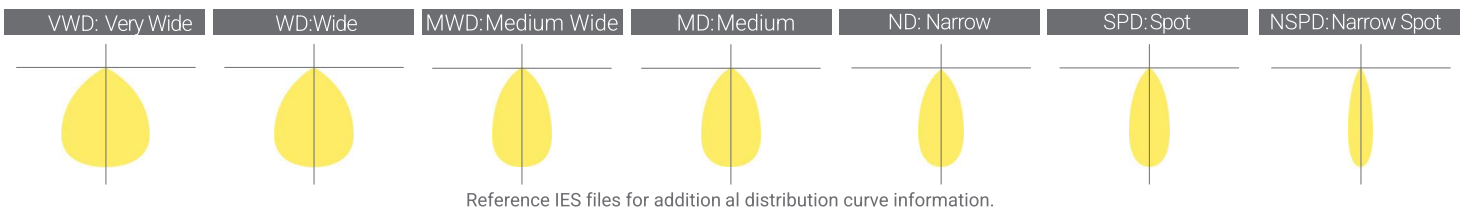
FEATURES

A highly sustainable and ultra-efficient architectural LED downlight that provides even, glare-free illumination. Available in a range of finishes, distributions, and lumen packages, it is ideally suited for use in corporate office space, hospitality, healthcare, commercial, academic, churches and retail.

OPTICS AND REFLECTOR

The reflector has a 45° visual cutoff, and is shipped standard with a Solite lens in a smooth frosted finish. Spun from 0.05” thick aluminum, with a 1-step anodized finish, and available in different colors or custom RAL finishes. Reflector flange options include self-flanged and white painted flange. Various distribution options are available, and all optics are field changeable.

LUMENS	900, 1200, 1500, 2000, 3000, 4000, 6000, (Custom lumen packages available), HL6-IP-VR, HL6-LED
CCT & DYNAMIC PLATFORMS	22K, 27K, 30K, 35K, 40K, 50K, Tunable White, Dims to Warm, RGB + White
CRI	90+ Standard, 98+ Optional
COLOR QUALITY	2 Step MacAdam Ellipse
DISTRIBUTIONS	VWD, WD, MWD, MD, ND, SPD, NSPD
TRIM OPTIONS	Downlight, Wall Wash, Double Wall Wash, Wet Location
REFLECTOR COLORS	CL (Semi-Specular Chrome), SHZ (Low Iridescent Satin Haze), WT (Wheat), W (White), MB (Black). BZ (Bronze) WAM(White Anti Macrobial), Custom RAL
FLANGE COLORS	Self-Flanged WH (White), SCH (Semi-Specular Chrome), SHZ (Low Iridescent Satin Haze), BK (Black), BZ (Bronze)
DIMMING	0-10V Flicker Free 1% Dimming Standard (DIM10), LUTH, LUTFTB, ELDO10.1-LIN, ELDODMX.1, ELDODALI.1, DIMTR, BLE,POE,ELDO10-LOG, XSR, DIM10-AUX, DIM10-0-Off
EMERGENCY	10W - Up to 1000L Output 20W - Up to 2000L Output EMG-LED-G2-10W-SDT - Self Diagnostic (Consult Factory) GTD-UL924
LIFETIME	L70>72,000-hour reported lifetime for Standard models L70>50,000-hour reported lifetime for HP models
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30,TM-21
UGR	UGR <19



Reference IES files for addition al distribution curve information.

THERMAL MANAGEMENT SYSTEM

Passive cooling Diecast Aluminum Heat Sink, LED light engine and driver are replaceable, upgradeable, and can be accessed from below the ceiling. The consistency in the quality of light is delivered with precision performance by the use of a unique locking mechanism that aligns the reflector with the light engine.

MOUNTING FRAME & BRACKETS

The downlight mounting frame is a fabricated assembly constructed of 16-gauge steel, with C-channel mounting brackets, included. The versatility of the mounting brackets allow for an adjustability of up to 28" horizontally, and 2-3/4" vertically, locking into place. With the added die-formed construction of the mounting frame, it provides maximum heat dissipation and rust protection.

DRIVER ELECTRICAL INFORMATION

The LED driver is rated for 50 to 60Hz at 120V/277V, also available in 347V input, produces less than 20%THD, has a power factor between 90% and 100%, and is thermally protected for additional safety. Junction box and Driver can be accessed from below the ceiling and above the ceiling. Junction Box is Listed for through branch circuit wiring.

DIMMING & DRIVER INFORMATION

DIM10 - 0-10V dimming on either MVOLT 120, 277 or 347V. Dimmable down to 1% of initial lumens, standard.
DIMTR - Triac & Electronic low voltage dimming. Available in 120V, and up to 6000 lumens only.
LUTH - Lutron LDE1 Hi-Lume 1% Eco System LED driver with Soft-on, Fade to Black dimming technology.
LUTFB - Lutron PEQ0E Hi-Lume Premier 1% Eco System LED Driver with Soft-on, Fade to Black dimming technology. Available on all luminaires up to 1500 lumens.
ELDO10.1-LIN - EldoLED SoloDrive 0-10V. Dimming down to 0.1%. Linear dimming curve.
DALI - DALI DT6, DT8 dimming down to 1%.
ELDODMX - EldoLED PowerDrive dimming down to 0.1%.
BLE - Luminaires may be controlled, grouped, scheduled or placed in scenes and or zones Via Cassambi Bluetooth 4.0 App.
DIM10-0-OFF - Program DIM10-to OFF with linear dimming curve 0.1%
ELDO10- LOG - ELDO10-LOG with logarithmic dimming curve.
POE - Power-over-Ethernet Depending on the PoE manufacturer selected, The Node will install the node in factory as either integral to the luminaire or as a remote module.
XSR - Xitanium SR Dimming
DIM10-AUX - 0-10V with Auxiliry power

LED DYNAMIC PLATFORM OPTIONS

Tunable White with Smart White Technology allows you to color tune the luminaire via various controls. Create the perfect environment for the desired use of the space, while maintaining a CRI of 90+ across the tunable range of 8000 to 1650K. (Click here for more details)

Dims to Warm with Smart Dimming Technology. At 100% full brightness the luminaire is at 3000K. When dimmed to 1%, the light transitions to 1800K, creating a warm ambiance within the space. (Click here for more details)

RGB+White with Smart Hue Technology provides full color mixing of RGB and white colors. Utilizing Platform allows you to choose from unlimited RGB color options, via various controls. Ideal for Circadian Rhythm applications or to create the perfect human centric environment. (Click here for more details)

OPTICAL

Modular Optics Available with 15°, 24°, 30°, 36°, 52°, 60° and 70° field interchangeable optics design with 45° cutoff to source. Top-down flash characteristic for superior glare control. The optics attached directly the light engine to the Trim for complete optical alignment and sufficient efficacy. A UGR (Unified Glare Rating) of less than 19 minimizes the effect of glare, enhancing well-being and reducing discomfort.

WARRANTY

Five-year warranty for parts and components. (Labor not included)

LISTINGS

c-UL-us - Listed for Wet Location if used with HH6-6501, HH6-6535, HH6534 Trims.
c-UL-us - Listed for Feed Through Wiring.
U.S Patent No. - D685,118S
CP-City of Chicago environmental air (CCEA) marking for plenum applications.
Energy Star and California Title 24 compliant
Optional Black color trim is not ENERGYSTAR certified and won't meet the requirement. 22K and 27K are not Energy Star Listed and won't meet the requirement. Please consult with Elite lighting to confirm Energy Star listing.
BAA- Buy American Act Compliant government procurement requirements under FAR, DFARS and DOT regulations.

Example: **HH6-LED-2000L-DIM10-MVOLT-MD-40K-90-HH6-6501-CL-WH**

SERIES	LUMENS	DRIVER	VOLTAGE	CCT	EMERGENCY	TRIM TYPE	REFLECTOR COLORS
HH6-LED	❑ 900L ❑ 1200L ❑ 1500L ❑ 2000L ❑ 3000L ❑ 4000L ❑ 6000L ❑ 1200L-HP ❑ 2000L-HP ❑ 3000L-HP	❑ DIM10 ❑ DIMTR [3] [5] ❑ LUTH [3] ❑ LUTFTB [4] ❑ ELDO10-.1-LIN ❑ ELDODALI-.1 ❑ ELDODMX-.1 ❑ BLE ❑ POE ❑ DIM10-0-OFF ❑ ELDO10-LOG ❑ XSR ❑ DIM10-AUX	❑ 120 ❑ 277 ❑ MVOLT ❑ 347 (DIM10 only)	❑ 22K ❑ 27K ❑ 30K ❑ 35K ❑ 40K ❑ 50K [1]	❑ EMG-LED-10W ❑ EMG-LED-20W ❑ INTG-EMG-LED-10W ❑ INTG-EMG-LED-20W ❑ EMG-LED-G2-10W-SDT* ❑ EMG-LED-G2-10W-SDT* ❑ GTD-UL924 Typical lumen output of the luminaire is up to 1000L with EMG-LED-10W option & 2000L with EMG-LED-20W option in emergency mode. Contact the factory for details. Remote mounted installation * Consult Factory for Self Diagnostic	❑ HH6-6501 (Wet Location) Flanged Downlight ❑ HH6-6507 (Wet Location) Flanged Wall Wash ❑ HH6-6577 (Wet Location) Flanged Double Wall Wash ❑ HH6-6535 (Wet Location) Polycarbonate non conductive with "Dead Front" construction ❑ HH6-6534 (Wet Location) Polycarbonate "Dead Front" Trim with Polycarbonate ClearLens	❑ CL-WH ❑ MB-WH* ❑ WT-WH ❑ CL-SCH ❑ MB-BK* ❑ WT-WT ❑ CL-BK ❑ BZ-BK ❑ RAL ❑ CL-BZ ❑ BZ-BZ ❑ WAM White Anti Macrobial ❑ SHZ-WH ❑ SHZ-SHZ ❑ WH-WH ❑ SHZ-BK * Black color trim is not ENERGYSTAR certified

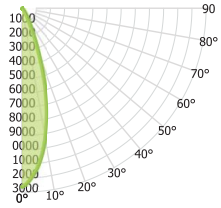
OPTICS	CRI	OTHER OPTIONS	TRIMLESS	REFLECTOR FINISH
❑ VWD 70° ❑ WD 60° ❑ MWD 52° ❑ MD 36° ❑ ND 30° ❑ SPD 24° ❑ NSPD 15°	❑ 90+ ❑ 98+ [2] ❑ Xicato 95 [7]	❑ CP (Chicago Plenum) ❑ BAA ❑ Slopped Ceiling Adapter HP ❑ (High Performance) [6] Remote LED ❑ Driver Mounting	❑ HH6-TL-6501 Trimless Downlight ❑ HH6-TL-6507 Trimless Wall Wash **OPTIONS** ❑ INTG (Reflector shipped with pre-punched hole to accept INTG-EMG-LED)	❑ CL ❑ MB ❑ SHZ ❑ WH

[1] **50K** series are available with 85+ CRI only [2] **98+** CRI is available in 27K, 30K and 40K only -**Reference last page for Control Options**
[3] **LUTH** and **DIMTR** Available for luminaires up to 6000L [4] **LUTFTB** Available for luminaires up to 1500L [5] **DIMTR** is available in 120V only [6] 3000K, 3500K and 4000K based on 90CRI [7] Available on 30K, 35K, 40K

HH6-LED-4000L-DIM10-MVOLT-MD-40K-90-HH6-6501-CL-WH TEST NO.: **EL05112270**

INPUT WATTS: **38.7** LUMENS: **4576** EFFICACY: **118** BEAM ANGLE: **34** SPACING CRITERIA: **0.50**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	12618	12618
10°	9225	9999
20°	3340	4245
30°	738	925
40°	207	265
50°	72	93
60°	10	14
70°	0	0
80°	0	0
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	480355	480355
45.00°	6651	8234
55.00°	1872	2742
65.00°	211	223
75.00°	106	115
85.00°	35	39

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	1081
10° - 20°	1990
20° - 30°	1000
30° - 40°	334
40° - 50°	122
50° - 60°	41
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	3070	67%
0° - 30°	4070	89%
0° - 40°	4404	96%
0° - 60°	4568	100%
0° - 80°	4573	100%
0° - 90°	4574	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	350.5 fc	3.6 ft	3.6 ft
8.0 ft	197.2 fc	4.8 ft	4.8 ft
10.0 ft	126.2 fc	6.0 ft	6.0 ft
12.0 ft	87.6 fc	7.3 ft	7.2 ft
14.0 ft	64.4 fc	8.5 ft	8.4 ft
16.0 ft	49.3 fc	9.7 ft	9.6 ft
18.0 ft	38.9 fc	10.9 ft	10.8 ft
20.0 ft	31.5 fc	12.1 ft	12.0 ft

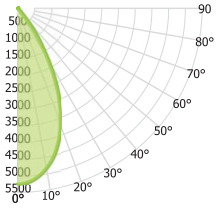
INDOOR COEFFICIENTS OF UTILIZATION

ρf																				
	20%																			0%
ρc	80%				70%				50%				30%				10%			0%
ρw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100		
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95			
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91			
3	106	101	96	93	104	99	95	92	97	94	91	94	92	90	92	90	88	87			
4	102	96	91	88	100	95	90	87	93	89	86	91	88	85	89	86	84	83			
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79			
6	95	87	83	79	93	87	82	79	85	81	78	84	81	78	83	80	77	76			
7	91	84	79	76	90	83	79	75	82	78	75	81	77	75	80	77	74	73			
8	88	80	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70			
9	85	77	73	70	84	77	72	69	76	72	69	75	72	69	75	71	69	68			
10	82	75	70	67	82	74	70	67	74	69	67	73	69	66	72	69	66	65			

HH6-LED-4000L-DIM10-MVOLT-MWD-40K-90-HH6-6501-CL-WH TEST NO.: **EL05112270**

INPUT WATTS: **38.8** LUMENS: **4110** EFFICACY: **106** BEAM ANGLE: **55** SPACING CRITERIA: **0.81**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	5246	5246
10°	4838	4975
20°	3649	3917
30°	1808	2107
40°	338	509
50°	75	83
60°	8	13
70°	0	0
80°	0	0
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	199717	199717
45.00°	7686	8369
55.00°	1766	2428
65.00°	250	289
75.00°	149	179
85.00°	52	83

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	488
10° - 20°	1258
20° - 30°	1393
30° - 40°	758
40° - 50°	166
50° - 60°	38
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	1746	42%
0° - 30°	3139	76%
0° - 40°	3897	95%
0° - 60°	4101	100%
0° - 80°	4107	100%
0° - 90°	4108	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	145.7 fc	6.3 ft	6.2 ft
8.0 ft	82.0 fc	8.4 ft	8.3 ft
10.0 ft	52.5 fc	10.5 ft	10.4 ft
12.0 ft	36.4 fc	12.6 ft	12.5 ft
14.0 ft	26.8 fc	14.6 ft	14.5 ft
16.0 ft	20.5 fc	16.7 ft	16.6 ft
18.0 ft	16.2 fc	18.8 ft	18.7 ft
20.0 ft	13.1 fc	20.9 ft	20.8 ft

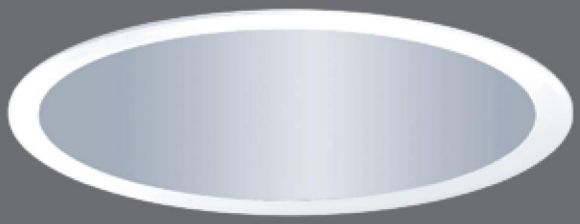
INDOOR COEFFICIENTS OF UTILIZATION

ρf																				
	20%																			0%
ρc	80%				70%				50%				30%				10%			0%
ρw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100		
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	108	104	100	97	106	102	98	96	99	96	93	96	93	91	93	91	90	88			
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	88	86	84	82			
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	77			
5	94	86	80	76	92	85	79	76	83	78	75	81	77	74	80	76	74	72			
6	89	81	75	71	88	80	74	71	78	74	70	77	73	70	76	72	69	68			
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65	64			
8	81	72	66	62	80	71	66	62	70	65	62	69	65	62	68	64	61	60			
9	77	68	62	59	76	68	62	58	67	62	58	66	61	58	65	61	58	57			
10	74	65	59	55	73	64	59	55	63	58	55	63	58	55	62	58	55	54			

MAXILUME ARCHITECTURAL LIGHTING
By Elite Lighting

HH6-LED
6” Architectural High Lumen LED Downlight

6”



HH6-6501
Flanged Downlight

HH6-6507
Flanged Wall Wash

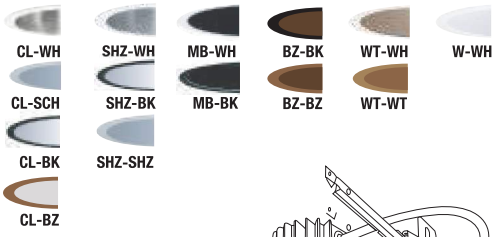
HH6-6577
Flanged Double Wall Wash

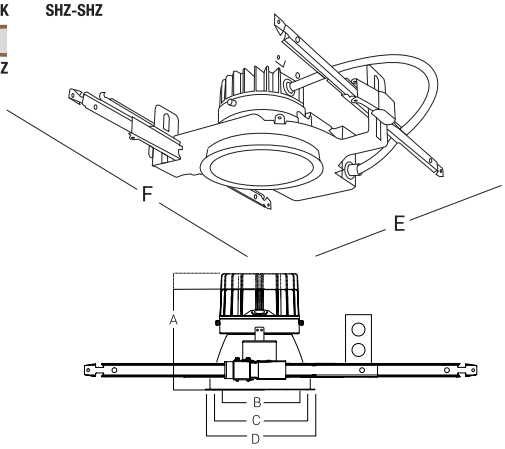
HH6-TL-6501
Trimless Downlight

HH6-TL-6507
Trimless Wall Wash

HH6-TL-6534
Polycarbonate “Dead Front” Trim with Polycarbonate ClearLens

REFLECTOR/ FLANGE COLORS





A 900L to 4000L: Height = 5-5/8”
A 6000L to 8000L: Height = 9”
B: Trim Aperture = 6-3/6”
C: Cut-Out = 6-13/16”
D: Trim Outside Dia = 7-3/8”
E: Width = 16”
F: Length = 20-33”

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
6000	5979	61 W
4000	3979	38 W
3000	3512	32 W
2000	2252	20 W
1500	1785	15 W
1200	1398	12W
900	1065	9 W
NOMINAL LUMENS (HP)	DELIVERED LUMENS (HP)	WATTAGE (HP)
1200	1422	10 W
2000	2102	18W
3000	3259	28W

Based on 4000K, 90+CRI with semi-specular chrome reflector.
Actual wattage may vary +/-5%

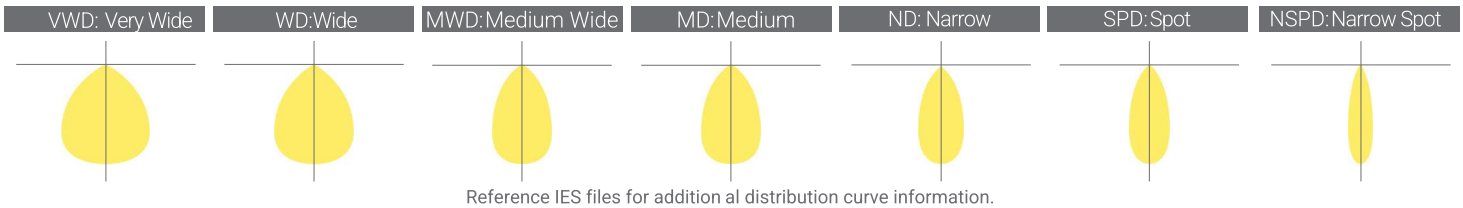
FEATURES

A highly sustainable and ultra-efficient architectural LED downlight that provides even, glare-free illumination. Available in a range of finishes, distributions, and lumen packages, it is ideally suited for use in corporate office space, hospitality, healthcare, commercial, academic, churches and retail.

OPTICS AND REFLECTOR

The reflector has a 45° visual cutoff, and is shipped standard with a Solite lens in a smooth frosted finish. Spun from 0.05” thick aluminum, with a 1-step anodized finish, and available in different colors or custom RAL finishes. Reflector flange options include self-flanged and white painted flange. Various distribution options are available, and all optics are field changeable.

LUMENS	900, 1200, 1500, 2000, 3000, 4000, 6000, (Custom lumen packages available), HL6-IP-VR, HL6-LED
CCT & DYNAMIC PLATFORMS	22K, 27K, 30K, 35K, 40K, 50K, Tunable White, Dims to Warm, RGB + White
CRI	90+ Standard, 98+ Optional
COLOR QUALITY	2 Step MacAdam Ellipse
DISTRIBUTIONS	VWD, WD, MWD, MD, ND, SPD, NSPD
TRIM OPTIONS	Downlight, Wall Wash, Double Wall Wash, Wet Location
REFLECTOR COLORS	CL (Semi-Specular Chrome), SHZ (Low Iridescent Satin Haze), WT (Wheat), W (White), MB (Black). BZ (Bronze) WAM(White Anti Macrobial), Custom RAL
FLANGE COLORS	Self-Flanged WH (White), SCH (Semi-Specular Chrome), SHZ (Low Iridescent Satin Haze), BK (Black), BZ (Bronze)
DIMMING	0-10V Flicker Free 1% Dimming Standard (DIM10), LUTH, LUTFTB, ELDO10.1-LIN, ELDODMX.1, ELDODALI.1, DIMTR, BLE,POE,ELDO10-LOG, XSR, DIM10-AUX, DIM10-0-Off
EMERGENCY	10W - Up to 1000L Output 20W - Up to 2000L Output EMG-LED-G2-10W-SDT - Self Diagnostic (Consult Factory) GTD-UL924
LIFETIME	L70>72,000-hour reported lifetime for Standard models L70>50,000-hour reported lifetime for HP models
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30,TM-21
UGR	UGR <19



Reference IES files for addition al distribution curve information.

THERMAL MANAGEMENT SYSTEM

Passive cooling Diecast Aluminum Heat Sink, LED light engine and driver are replaceable, upgradeable, and can be accessed from below the ceiling. The consistency in the quality of light is delivered with precision performance by the use of a unique locking mechanism that aligns the reflector with the light engine.

MOUNTING FRAME & BRACKETS

The downlight mounting frame is a fabricated assembly constructed of 16-gauge steel, with C-channel mounting brackets, included. The versatility of the mounting brackets allow for an adjustability of up to 28" horizontally, and 2-3/4" vertically, locking into place. With the added die-formed construction of the mounting frame, it provides maximum heat dissipation and rust protection.

DRIVER ELECTRICAL INFORMATION

The LED driver is rated for 50 to 60Hz at 120V/277V, also available in 347V input, produces less than 20%THD, has a power factor between 90% and 100%, and is thermally protected for additional safety. Junction box and Driver can be accessed from below the ceiling and above the ceiling. Junction Box is Listed for through branch circuit wiring.

DIMMING & DRIVER INFORMATION

DIM10 - 0-10V dimming on either MVOLT 120, 277 or 347V. Dimmable down to 1% of initial lumens, standard.
DIMTR - Triac & Electronic low voltage dimming. Available in 120V, and up to 6000 lumens only.
LUTH - Lutron LDE1 Hi-Lume 1% Eco System LED driver with Soft-on, Fade to Black dimming technology.
LUTFB - Lutron PEQ0E Hi-Lume Premier 1% Eco System LED Driver with Soft-on, Fade to Black dimming technology. Available on all luminaires up to 1500 lumens.
ELDO10.1-LIN - EldoLED SoloDrive 0-10V. Dimming down to 0.1%. Linear dimming curve.
DALI - DALI DT6, DT8 dimming down to 1%.
ELDODMX - EldoLED PowerDrive dimming down to 0.1%.
BLE - Luminaires may be controlled, grouped, scheduled or placed in scenes and or zones Via Cassambi Bluetooth 4.0 App.
DIM10-0-OFF - Program DIM10-to OFF withlinear dimming curve 0.1%
ELDO10- LOG - ELDO10-LOG with logarithmic dimming curve.
POE - Power-over-Ethernet Depending on the PoE manufacturer selected, The Node will install the node in factory as either integral to the luminaire or as a remote module.
XSR - Xitanium SR Dimming
DIM10-AUX - 0-10V with Auxiliry power

LED DYNAMIC PLATFORM OPTIONS

Tunable White with Smart White Technology allows you to color tune the luminaire via various controls. Create the perfect environment for the desired use of the space, while maintaining a CRI of 90+ across the tunable range of 8000 to 1650K. (Click here for more details)

Dims to Warm with Smart Dimming Technology. At 100% full brightness the luminaire is at 3000K. When dimmed to 1%, the light transitions to 1800K, creating a warm ambiance within the space. (Click here for more details)

RGB+White with Smart Hue Technology provides full color mixing of RGB and white colors. Utilizing Platform allows you to choose from unlimited RGB color options, via various controls. Ideal for Circadian Rhythm applications or to create the perfect human centric environment. (Click here for more details)

OPTICAL

Modular Optics Available with 15°, 24°, 30°, 36°, 52°, 60° and 70° field interchangeable optics design with 45° cutoff to source. Top-down flash characteristic for superior glare control. The optics attached directly the light engine to the Trim for complete optical alignment and sufficient efficacy. A UGR (Unified Glare Rating) of less than 19 minimizes the effect of glare, enhancing well-being and reducing discomfort.

WARRANTY

Five-year warranty for parts and components. (Labor not included)

LISTINGS

c-UL-us - Listed for Wet Location if used with HH6-6501, HH6-6535, HH6534 Trims.
c-UL-us - Listed for Feed Through Wiring.
U.S Patent No. - D685,118S
CP-City of Chicago environmental air (CCEA) marking for plenum applications.
Energy Star and California Title 24 compliant
Optional Black color trim is not ENERGYSTAR certified and won't meet the requirement. 22K and 27K are not Energy Star Listed and won't meet the requirement. Please consult with Elite lighting to confirm Energy Star listing.
BAA- Buy American Act Compliant government procurement requirements under FAR, DFARS and DOT regulations.

Example: **HH6-LED-2000L-DIM10-MVOLT-MD-40K-90-HH6-6501-CL-WH**

SERIES	LUMENS	DRIVER	VOLTAGE	CCT	EMERGENCY	TRIM TYPE	REFLECTOR COLORS
HH6-LED	❑ 900L ❑ 1200L ❑ 1500L ❑ 2000L ❑ 3000L ❑ 4000L ❑ 6000L ❑ 1200L-HP ❑ 2000L-HP ❑ 3000L-HP	❑ DIM10 ❑ DIMTR [3] [5] ❑ LUTH [3] ❑ LUTFTB [4] ❑ ELDO10-.1-LIN ❑ ELDODALI-.1 ❑ ELDODMX-.1 ❑ BLE ❑ POE ❑ DIM10-0-OFF ❑ ELDO10-LOG ❑ XSR ❑ DIM10-AUX	❑ 120 ❑ 277 ❑ MVOLT ❑ 347 (DIM10 only)	❑ 22K ❑ 27K ❑ 30K ❑ 35K ❑ 40K ❑ 50K [1]	❑ EMG-LED-10W ❑ EMG-LED-20W ❑ INTG-EMG-LED-10W ❑ INTG-EMG-LED-20W ❑ EMG-LED-G2-10W-SDT* ❑ EMG-LED-G2-10W-SDT* ❑ GTD-UL924 Typical lumen output of the luminaire is up to 1000L with EMG-LED-10W option & 2000L with EMG-LED-20W option in emergency mode. Contact the factory for details. Remote mounted installation * Consult Factory for Self Diagnostic	❑ HH6-6501 (Wet Location) Flanged Downlight ❑ HH6-6507 (Wet Location) Flanged Wall Wash ❑ HH6-6577 (Wet Location) Flanged Double Wall Wash ❑ HH6-6535 (Wet Location) Polycarbonate non conductive with "Dead Front" construction ❑ HH6-6534 (Wet Location) Polycarbonate "Dead Front" Trim with Polycarbonate ClearLens	❑ CL-WH ❑ MB-WH* ❑ WT-WH ❑ CL-SCH ❑ MB-BK* ❑ WT-WT ❑ CL-BK ❑ BZ-BK ❑ RAL ❑ CL-BZ ❑ BZ-BZ ❑ WAM White Anti Macrobial ❑ SHZ-WH ❑ SHZ-SHZ ❑ WH-WH ❑ SHZ-BK * Black color trim is not ENERGYSTAR certified

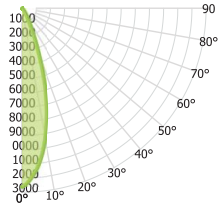
OPTICS	CRI	OTHER OPTIONS	TRIMLESS	REFLECTOR FINISH
❑ VWD 70° ❑ WD 60° ❑ MWD 52° ❑ MD 36° ❑ ND 30° ❑ SPD 24° ❑ NSPD 15°	❑ 90+ ❑ 98+ [2] ❑ Xicato 95 [7]	❑ CP (Chicago Plenum) ❑ BAA ❑ Slopped Ceiling Adapter HP ❑ (High Performance) [6] Remote LED ❑ Driver Mounting	❑ HH6-TL-6501 Trimless Downlight ❑ HH6-TL-6507 Trimless Wall Wash **OPTIONS** ❑ INTG (Reflector shipped with pre-punched hole to accept INTG-EMG-LED)	❑ CL ❑ MB ❑ SHZ ❑ WH

[1] **50K** series are available with 85+ CRI only [2] **98+** CRI is available in 27K, 30K and 40K only -**Reference last page for Control Options**
[3] **LUTH** and **DIMTR** Available for luminaires up to 6000L [4] **LUTFTB** Available for luminaires up to 1500L [5] **DIMTR** is available in 120V only [6] 3000K, 3500K and 4000K based on 90CRI [7] Available on 30K, 35K, 40K

HH6-LED-4000L-DIM10-MVOLT-MD-40K-90-HH6-6501-CL-WH TEST NO.: **EL05112270**

INPUT WATTS: **38.7** LUMENS: **4576** EFFICACY: **118** BEAM ANGLE: **34** SPACING CRITERIA: **0.50**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	12618	12618
10°	9225	9999
20°	3340	4245
30°	738	925
40°	207	265
50°	72	93
60°	10	14
70°	0	0
80°	0	0
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	480355	480355
45.00°	6651	8234
55.00°	1872	2742
65.00°	211	223
75.00°	106	115
85.00°	35	39

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	1081
10° - 20°	1990
20° - 30°	1000
30° - 40°	334
40° - 50°	122
50° - 60°	41
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	3070	67%
0° - 30°	4070	89%
0° - 40°	4404	96%
0° - 60°	4568	100%
0° - 80°	4573	100%
0° - 90°	4574	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	350.5 fc	3.6 ft	3.6 ft
8.0 ft	197.2 fc	4.8 ft	4.8 ft
10.0 ft	126.2 fc	6.0 ft	6.0 ft
12.0 ft	87.6 fc	7.3 ft	7.2 ft
14.0 ft	64.4 fc	8.5 ft	8.4 ft
16.0 ft	49.3 fc	9.7 ft	9.6 ft
18.0 ft	38.9 fc	10.9 ft	10.8 ft
20.0 ft	31.5 fc	12.1 ft	12.0 ft

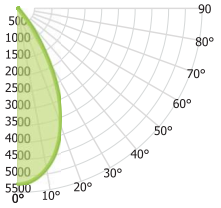
INDOOR COEFFICIENTS OF UTILIZATION

ρf																				
	20%																			0%
ρc	80%				70%				50%				30%				10%			0%
ρw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100		
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95			
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91			
3	106	101	96	93	104	99	95	92	97	94	91	94	92	90	92	90	88	87			
4	102	96	91	88	100	95	90	87	93	89	86	91	88	85	89	86	84	83			
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79			
6	95	87	83	79	93	87	82	79	85	81	78	84	81	78	83	80	77	76			
7	91	84	79	76	90	83	79	75	82	78	75	81	77	75	80	77	74	73			
8	88	80	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70			
9	85	77	73	70	84	77	72	69	76	72	69	75	72	69	75	71	69	68			
10	82	75	70	67	82	74	70	67	74	69	67	73	69	66	72	69	66	65			

HH6-LED-4000L-DIM10-MVOLT-MWD-40K-90-HH6-6501-CL-WH TEST NO.: **EL05112270**

INPUT WATTS: **38.8** LUMENS: **4110** EFFICACY: **106** BEAM ANGLE: **55** SPACING CRITERIA: **0.81**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	5246	5246
10°	4838	4975
20°	3649	3917
30°	1808	2107
40°	338	509
50°	75	83
60°	8	13
70°	0	0
80°	0	0
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	199717	199717
45.00°	7686	8369
55.00°	1766	2428
65.00°	250	289
75.00°	149	179
85.00°	52	83

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	488
10° - 20°	1258
20° - 30°	1393
30° - 40°	758
40° - 50°	166
50° - 60°	38
60° - 70°	0
70° - 80°	0
80° - 90°	0

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	1746	42%
0° - 30°	3139	76%
0° - 40°	3897	95%
0° - 60°	4101	100%
0° - 80°	4107	100%
0° - 90°	4108	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	145.7 fc	6.3 ft	6.2 ft
8.0 ft	82.0 fc	8.4 ft	8.3 ft
10.0 ft	52.5 fc	10.5 ft	10.4 ft
12.0 ft	36.4 fc	12.6 ft	12.5 ft
14.0 ft	26.8 fc	14.6 ft	14.5 ft
16.0 ft	20.5 fc	16.7 ft	16.6 ft
18.0 ft	16.2 fc	18.8 ft	18.7 ft
20.0 ft	13.1 fc	20.9 ft	20.8 ft

INDOOR COEFFICIENTS OF UTILIZATION

ρf																				
	20%																			0%
ρc	80%				70%				50%				30%				10%			0%
ρw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100		
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	108	104	100	97	106	102	98	96	99	96	93	96	93	91	93	91	90	88			
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	88	86	84	82			
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	77			
5	94	86	80	76	92	85	79	76	83	78	75	81	77	74	80	76	74	72			
6	89	81	75	71	88	80	74	71	78	74	70	77	73	70	76	72	69	68			
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65	64			
8	81	72	66	62	80	71	66	62	70	65	62	69	65	62	68	64	61	60			
9	77	68	62	59	76	68	62	58	67	62	58	66	61	58	65	61	58	57			
10	74	65	59	55	73	64	59	55	63	58	55	63	58	55	62	58	55	54			

GARDCO

Site and Area

OptiForm

OPF-M Medium

Gardco OptiForm site and area luminaires are available in three sizes: small, medium and large. Featuring the latest in LED technology, OptiForm achieves up to 192 lumens per watt. Eleven optical distributions are available, suitable for a range of outdoor lighting applications. OptForm features a unique mounting system with a two-piece housing for hassle-free installation. Mounting options include a standard arm, mast arm, and wall mount bracket. Service Tag is a standard feature with every OptiForm luminaire, providing maintenance or upgrade assistance throughout the life of the product.

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Ordering guide

example: OPF-M-A08-840-T4M-AR1-240-BL50-L3-BZ

Luminaire	Configuration (nom. lumens)	Color Temperature	Distribution	Mounting	Voltage
OPF-M	A12	840	T4W	AR1	UNV
OPF-M OptiForm Medium Area	**A08** 13,500 lumens **A09** 17,000 lumens **A10** 20,000 lumens **A11** 23,000 lumens **A12** 26,000 lumens **A13** 30,000 lumens **A14** 32,000 lumens **A15** 34,000 lumens	**827**[1] 80CRI 2700K **830** 80CRI 3000K **840** 80CRI 4000K **727**[1] 70CRI 2700K **730** 70CRI 3000K **740** 70CRI 4000K **750** 70CRI 5000K	**AFR** Autofront row **T2M** Type 2 medium **T3M** Type 3 medium **T4M** Type 4 medium **T4W** Type 4 wide **T5N** Type 5 narrow **T5M** Type 5 medium **T5W** Type 5 wide **LCL** LEED corner optic left **LCR** LEED corner optic right **BLC** Back light control **2RL** Type 2 rotated left 90° **2RR** Type 2 rotated right 270° **3RL** Type 3 rotated left 90° **3RR** Type 3 rotated right 270° **4RL**[1] Type 4 rotated left 90° **4RR**[1] Type 4 rotated right 270°	**AR1**[2,13] Arm mount (standard) **MAR**[3] Mast arm **WAL** Wall mount **MOS**[4] Mounting ordered separately	**120** 120V **208** 208V **240** 240V **277** 277V **347** 347V **480** 480V **UNV** 120-277V **HVU** 347-480V

Dimming Controls	Sensing	Options (electrical, mechanical, etc)	Finish
		PCB	BZ

The following options include 0-10V Driver

- **none** 0-10V dimming driver
- **DLEA**[5] Dimming leads externally accessible (controls by others)
- **FAWS**[5,6] Field adjustable wattage selector
- **BL50**[5,7] Bi-level with motion sensor

The following options include SR/DALI Driver

- **WIAP**[5,8] Wireless Interact (includes SR driver and SR receptacle)
- **SRDR**[5,8] SR driver connected to Zhaga socket (D4i)

DynaDimmer: Automatic Profile Dimming

- **CS50**[5] Security 50% dimming, 7 hours
- **CM50**[5] Median 50% dimming, 8 hours
- **CS30**[5] Security 30% dimming, 7 hours
- **CM30**[5] Median 30% dimming, 8 hours

- **L3** PIR sensor, #3 lens (Required if BL50 is selected)

WIAP sensor options

- **LB** Low (7'-15' mounting height) sensor, black color housing, wireless Interact, integral
- **LW** Low (7'-15' mounting height) sensor, white color housing
- **HB** High (15'-40' mounting height) sensor, black color housing
- **HW** High (15'-40' mounting height) sensor, white color housing

- **None** Surge protector 10kV/10kA standard
- **SP2** Surge protector 20kV/10kA (option)
- **FS1**[11] Single fuse (120, 277, or 347VAC)
- **FS2**[11] Double fuse (208, 240, or 480V)
- **PCB**[10,11] Photocontrol button connected to 0-10V driver
- **TR5** 5-pin twist lock receptacle connected to 0-10V driver
- **TR7** 7-pin twist lock receptacle connected to D4i compliant driver
- **TLP**[11] 7-pin twist lock receptacle connected to D4i compliant driver w/ 3-pin Photocell
- **BAC**[1,14] Meets the requirements of the Buy American Act of 1933 (BAA)

Standard textured finish

- **BK** Black
- **WH** White
- **BZ** Bronze
- **DG** Dark Gray
- **MG** Medium Gray

Customer specified

- **OC** Special optional color or RAL, consult factory
- **SC** Special color (must supply color chip, requires factory quote)

1. Extended lead time applies. Consult factory for details.
2. Mounts to a square pole with knockout for 4-5" OD round pole.
3. Mounts to a horizontal 2-3/8" OD x 5" Long tenon.
4. Must be ordered with mounting accessory. Photocell option (TR7) must be selected with mounting accessory. See Page 2 for options.
5. Not available with other dimming control options (mutually exclusive).
6. Not available with motion sensor (physical restriction).
7. Must be specified with a motion sensor lens (L2 or L3).
8. Not available with PCB, TR5.
9. Must be specified with a motion sensor LW, LB, HW, HB.
10. Not available in 347, 480, or HVU.
11. Must specify input voltage.
12. Not available with TR7, TLP.
13. OPF-RMB accessory recommended for retrofit applications.
14. Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.

OPF-M OptiForm medium

Site & area luminaire

Shielding Accessory Kits (order separately)

OPF-M-HIS-2*	Internal house side shields. For optic Types T2M, T3M, and T5N. qty 2
OPF-M-HIS-T4-2*	Internal house side shield for optic types T4M and T4W. qty 2
OPF-M-HIS-5M/5W-2*	Internal house side shield for optic types T5M and T5W. qty 2

* Standard internal house shields (HIS) can be used for rotated optics

Luminaire Accessories (order separately)

Pole Mount Fusing	
FP1[11]	Pole mount single fuse (120V, 277V, or 347V)
FP2[11]	Pole mount double fuse (208V, 240V, or 480V)
FP3[11]	Pole mount double fuse canadian double pull (208V, 240V, or 480V)
Photocell Accessories	
P400S	Shorting cap

Mountings (boxed and shipped separately)

Must choose Mounting Ordered Separately (MOS) selection for mounting option of luminaire. Useful for attachment of arm to pole prior to luminaire installation.
(F) Must specify finish

Standard Arm	
OPF-AR1-(F)[2,13]	Standard arm mount
OPF-AR1-TR7-(F)[2,13]	Standard arm mount with 7-pin (TR7) receptacle
Wall Mount	
OPF-WAL-(F)	Wall mount bracket
OPF-WAL-TR7-(F)	Wall mount with 7-pin (TR7) receptacle
Mast Arm	
OPF-MAR-(F)[3]	Mast arm mount
OPF-MAR-TR7-(F)[3]	Mast arm mount with 7-pin (TR7) receptacle

Mounting Accessories

OPF-RMB	Retrofit Mounting Bolster Plate for attaching OptiForm to existing poles. Recommended for retrofit applications.
OPF-RPA	Round Pole Adapter. Fits to 3"- 3.9" O.D. pole. Painted black.

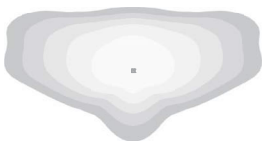
Pole Top Fitters

(F) Must specify finish

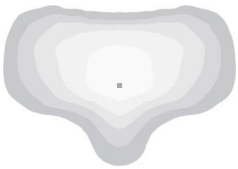
PTF2 - Pole top fitter fits 2 3/8 - 2 1/2" OD x 4" depth tenon	
PTF2-1-90-(F)	1 luminiare at 90°
PTF2-2-90-(F)	2 luminiares at 90°
PTF2-3-90-(F)	3 luminiares at 90°
PTF2-4-90-(F)	4 luminiares at 90°
PTF2-2-180-(F)	2 luminiares at 180°
PTF2-3-120-(F)	3 luminiares at 120°
PTF3 - Pole top fitter fits 3-3 1/2" OD x 6" depth tenon	
PTF3-1-90-(F)	1 luminiare at 90°
PTF3-2-90-(F)	2 luminiares at 90°
PTF3-3-90-(F)	3 luminiares at 90°
PTF3-4-90-(F)	4 luminiares at 90°
PTF3-2-180-(F)	2 luminiares at 180°
PTF3-3-120-(F)	3 luminiares at 120°

Optical Distributions

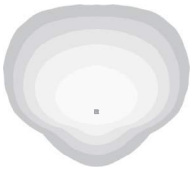
Type 2 Medium



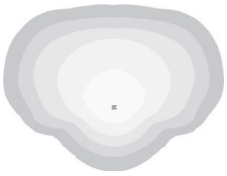
Type 3 Medium



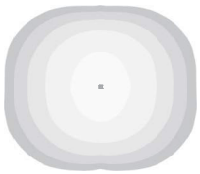
Type 4 Medium



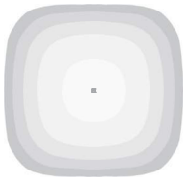
Type 4 Wide



Type 5 Narrow

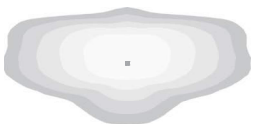


Type 5 Medium



Type 5 Wide

Autofront Row



Back Light Control

LCL

LCR

OPF-M OptiForm medium

Site & area luminaire

OPF-M Area Optic Lumen values (cont'd)

Performance Package	System Watts	Distribution Type	70 CRI 3000K			70 CRI 4000K			70 CRI 5000K		
			Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)	Lumen Output	BUG Rating	Efficacy (LPW)
A12	150	T2M	25049	B3-U0-G3	167	26482	B3-U0-G3	176	26482	B3-U0-G3	176
		T3M	24849	B3-U0-G3	165	26271	B3-U0-G3	175	26271	B3-U0-G3	175
		T4M	25183	B3-U0-G4	168	26625	B3-U0-G4	177	26625	B3-U0-G4	177
		T5M	25957	B5-U0-G3	173	27443	B5-U0-G3	183	27443	B5-U0-G3	183
		AFR	25944	B3-U0-G3	173	27429	B3-U0-G3	183	27429	B3-U0-G3	183
		T4W	23978	B3-U0-G4	160	25350	B3-U0-G4	169	25350	B3-U0-G4	169
		T5N	25775	B4-U0-G2	172	27250	B4-U0-G2	181	27250	B4-U0-G2	181
		T5W	24816	B5-U0-G3	165	26237	B5-U0-G3	175	26237	B5-U0-G3	175
		LCL	13629	B2-U0-G2	91	14409	B2-U0-G2	96	14409	B2-U0-G2	96
		LCR	13629	B2-U0-G2	91	14409	B2-U0-G2	96	14409	B2-U0-G2	96
		BLC	17465	B1-U0-G3	116	18465	B1-U0-G3	123	18465	B1-U0-G3	123
A13	176	T2M	28766	B3-U0-G3	163	30412	B3-U0-G3	173	30412	B3-U0-G3	173
		T3M	28536	B3-U0-G4	162	30169	B3-U0-G4	171	30169	B3-U0-G4	171
		T4M	28920	B3-U0-G4	164	30575	B3-U0-G4	173	30575	B3-U0-G4	173
		T5M	29809	B5-U0-G3	169	31515	B5-U0-G3	179	31515	B5-U0-G3	179
		AFR	29794	B4-U0-G4	169	31499	B4-U0-G4	179	31499	B4-U0-G4	179
		T4W	27536	B3-U0-G4	156	29111	B3-U0-G4	165	29111	B3-U0-G4	165
		T5N	29599	B5-U0-G3	168	31293	B5-U0-G3	177	31293	B5-U0-G3	177
		T5W	28499	B5-U0-G3	162	30130	B5-U0-G3	171	30130	B5-U0-G3	171
		LCL	15651	B2-U0-G2	89	16547	B2-U0-G2	94	16547	B2-U0-G2	94
		LCR	15651	B2-U0-G2	89	16547	B2-U0-G2	94	16547	B2-U0-G2	94
		BLC	20057	B1-U0-G3	114	21205	B1-U0-G3	120	21205	B1-U0-G3	120
A14	190	T2M	30449	B4-U0-G4	161	32191	B4-U0-G4	170	32191	B4-U0-G4	170
		T3M	30206	B3-U0-G4	159	31934	B3-U0-G4	168	31934	B3-U0-G4	168
		T4M	30612	B3-U0-G4	161	32364	B3-U0-G4	171	32364	B3-U0-G4	171
		T5M	31553	B5-U0-G3	166	33359	B5-U0-G3	176	33359	B5-U0-G3	176
		AFR	31537	B4-U0-G4	166	33342	B4-U0-G4	176	33342	B4-U0-G4	176
		T4W	29147	B3-U0-G4	154	30815	B3-U0-G4	163	30815	B3-U0-G4	163
		T5N	31331	B5-U0-G3	165	33124	B5-U0-G3	175	33124	B5-U0-G3	175
		T5W	30166	B5-U0-G4	159	31892	B5-U0-G4	168	31892	B5-U0-G4	168
		LCL	16567	B2-U0-G2	87	17515	B2-U0-G2	92	17515	B2-U0-G2	92
		LCR	16567	B2-U0-G2	87	17515	B2-U0-G2	92	17515	B2-U0-G2	92
		BLC	21230	B1-U0-G3	112	22445	B1-U0-G3	118	22445	B1-U0-G3	118
A15	202	T2M	31896	B4-U0-G4	158	33721	B4-U0-G4	167	33721	B4-U0-G4	167
		T3M	31641	B3-U0-G4	157	33452	B4-U0-G4	166	33452	B4-U0-G4	166
		T4M	32067	B3-U0-G4	159	33902	B3-U0-G4	168	33902	B3-U0-G4	168
		T5M	33052	B5-U0-G3	164	34944	B5-U0-G3	173	34944	B5-U0-G3	173
		AFR	33035	B4-U0-G4	164	34926	B4-U0-G4	173	34926	B4-U0-G4	173
		T4W	30532	B3-U0-G4	151	32279	B3-U0-G5	160	32279	B3-U0-G5	160
		T5N	32820	B5-U0-G3	163	34698	B5-U0-G3	172	34698	B5-U0-G3	172
		T5W	31600	B5-U0-G4	157	33408	B5-U0-G4	166	33408	B5-U0-G4	166
		LCL	17354	B2-U0-G3	86	18347	B2-U0-G3	91	18347	B2-U0-G3	91
		LCR	17354	B2-U0-G3	86	18347	B2-U0-G3	91	18347	B2-U0-G3	91
		BLC	22239	B1-U0-G3	110	23512	B1-U0-G3	117	23512	B1-U0-G3	117

OPF-M OptiForm medium

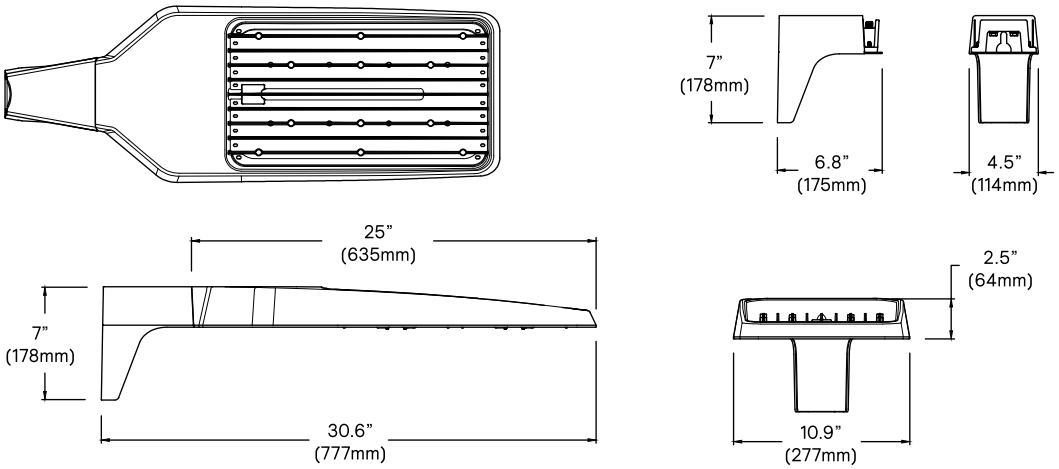
Site & area luminaire

Dimensions

OptiForm Standard Arm

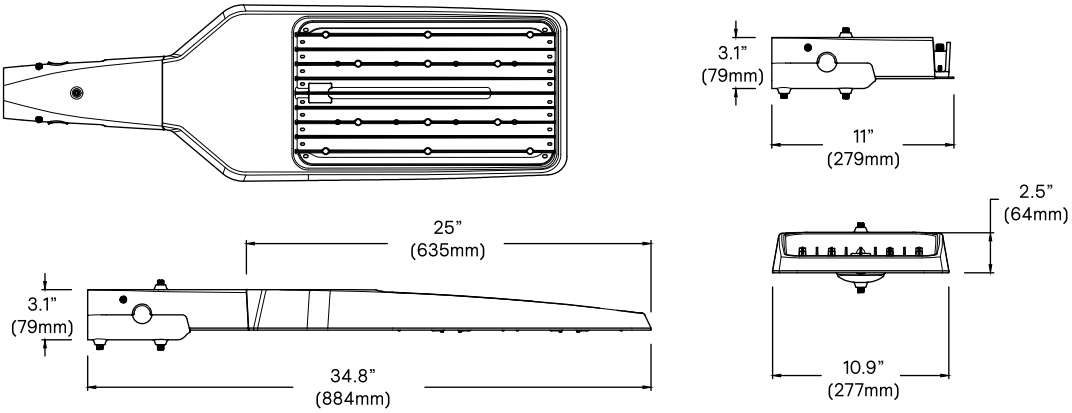
Weight: 13 lb (5.9 kg)

EPA: 0.15 ft² (0.014 m²)



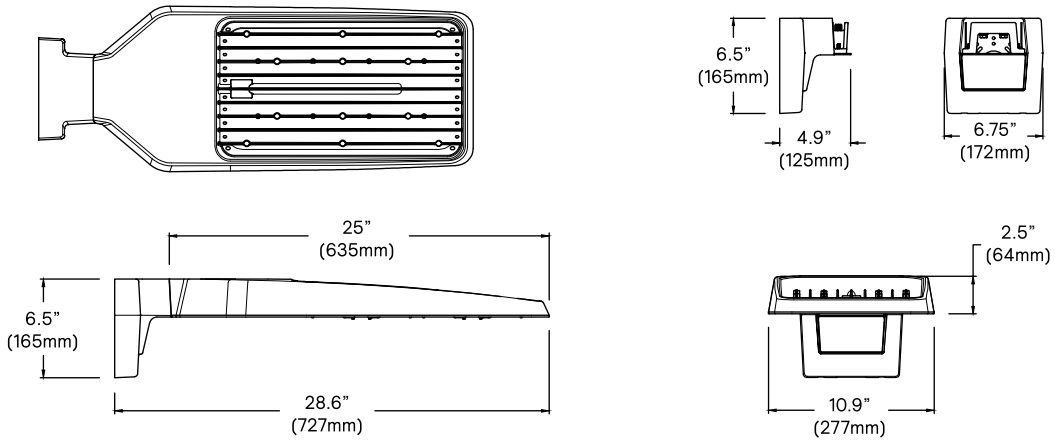
OptiForm Mast Arm

Weight: 14.6 lb (6.6 kg)



OptiForm Wall Mount

Weight: 13.5lb (6.1 kg)



OPF-M OptiForm medium

Site & area luminaire

Specifications

Housing

Housing and door constructed of low copper die cast Aluminum alloy (A360) with detachable arms for quick mounting. Heatsink is integral to the housing providing passive cooling of LEDs to maintain long LED life. Luminaire housing rated to IP65, LED Modules rated IP66, tested in accordance to Section 9 of IEC 60598-1. OptiForm carries and impact rating of IK08.

Vibration resistance

OptiForm is tested and rated to standards set forth in ANSI C136.31-2018 Level 2 for Bridge and Overpass applications.

Light engine

Light engine comprises of a module of 40-LED aluminum metal clad board fully sealed with optics: Medium = 2 Modules with 80 LEDs, Large = 4 modules with 160 LEDs. Module is RoHS compliant. Color temperature as per ANSI/NEMA bin 2700 Kelvin nominal (2725 ±145K), 3000 Kelvin nominal (3045K +/- 175K) or 4000 Kelvin nominal (3985K +/- 275K), CRI 70 Min. 75 Typical. Other CCT/CRI also available, consult factory. LED light engine is rated IP66 in accordance to Section 9 of IEC 60598-1.

Energy saving benefits

System efficacy up to 191 lms/W with significant energy savings over Pulse Start Metal Halide luminaires. Optional control options provide added energy savings during unoccupied periods.

Optical systems

Type 2M, 3M, 4M, 4W, 5, 5M, 5W, AFR, LCL, LCR, and BLC distributions available. Internal shield option mounts to LED optics and is available with Type 2M, 3M, and 4M distributions, including a dedicated BLC and L/R Corner optics to provide the best backlight control possible for stringent requirements around property lines. Types 2M, 3M and 4M when specified and used as rotated, are factory set only. Performance tested per LM-79 and TM-15 (IESNA) certifying its photometric performance. Luminaire designed with 0% uplight (U0 per IESNA TM-15).

Mounting

Standard luminaire arm mounts to square poles with knock-out on the arm to allow for mounting to 4" O.D. round poles. Standard arm casting can accomodate existing bolt spacing from 2" to 4-7/8". It is recommended to use the bolster plate kit OPF RMB when it's not a new installation or if the mounting holes are larger than 0.41" (10mm).

OptiForm features a Mast Arm for Mounting to 2-3/8x4" tenon as well as wall mount casting for exterior building mount applications.

Control options

Dimming Leads Externally Accessible (DLEA): Access to 0-10V dimming leads supplied through back of luminaire (for secondary dimming controls by others). Cannot be specified with other control options.

Sensor Ready Zhaga Socket Connector (SRDR): Product is D4i Certified and equipped with Sensor Ready drivers connected to 4-pin Zhaga Book 18 compliant receptacle designed for sensor and other control system applications. Receptacle is rated IP66 assembly in a compact design that provides a sealed electrical interface and rated UV resistance, mounted on underside of the luminaire, protective dust cap included. When a controller not provided by Signify is used with Sensor Ready Zhaga socket connector, the controller must be certified to work with the Xitanium SR LED drivers as part of the SR certified program. SRDR can be used with NEMA 7-pin twist lock receptacle, which is mounted on top of the luminaire.

Automatic Profile Dimming (CS/CM/CE/CA): Standard dimming profiles provide flexibility towards energy savings goals while optimizing light levels during specific dark hours. Dimming profiles include two dimming settings including dim to 30% or 50% of the total lumen output. When used in combination with motion response it overrides the controller's schedule when motion is detected. After 5 minutes with no motion, it will return to the automatic diming profile schedule. Automatic dimming profile scheduled with the following settings:

- **CS50/CS30:** Security for 7 hours night duration (Ex., 11 PM - 6 AM)
- **CM50/CM30:** Median for 8 hours night duration (Ex., 10 PM - 6 AM)

All above profiles are calculated from mid point of the night. Dimming is set for 6 hours after the mid point and 1 or 2 hours before depending of the duration of dimming. Cannot be used with other dimming control options

Field Adjustable Wattage Selector (FAWS): Luminaire equipped with the ability to manually adjust the wattage in the field to reduce total luminaire lumen output and light levels. Comes pre-set to the highest position lumen output selected. Use chart below to estimate reduction in lumen output desired. Cannot be used with other control options or motion response.

FAWS Position	Percent of Typical Lumen Output	FAWS Position	Percent of Typical Lumen Output
1	25%	6	80%
2	50%	7	85%
3	55%	8	90%
4	65%	9	95%
5	75%	10	100%

Note: Typical value accuracy +/- 5%

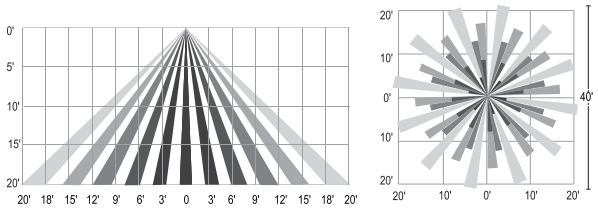
Motion response options

Bi-Level Infrared Motion Response (BL50): Motion Response module is mounted integral to luminaire factory pre-programmed to 50% dimming when not ordered with other control options. BL50 is set/operates in the following fashion: The motion sensor is set to a constant 50%. When motion is detected by the PIR sensor, the luminaire returns to full power/light output. Dimming on low is factory set to 50% with 5 minutes default in "full power" prior to dimming back to low. When no motion is detected for 5 minutes, the motion response system reduces the wattage by 50%, to 50% of the normal constant wattage reducing the light level. Other dimming settings can be provided if different dimming levels are required (contact Technical Support for details).

Infrared Motion Response with Other Controls: When used in combination with other controls (Automatic Dimming Profile), motion response device will simply override controller's schedule with the added benefits of a combined dimming profile and sensor detection. In this configuration, the motion response device cannot be re-programmed with FSIR-100 Wireless Remote Programming Tool. The profile can only be re-programmed via the controller.

Infrared Motion Response Lenses (L3): Infrared Motion Response Integral module is available with two different sensor lens types to accommodate various mounting heights and occupancy detection ranges. Lens #2 is designed for mounting heights 8' to 15'. Lens #3 is designed for higher mounting heights up to 20' with a 40' diameter coverage area. See charts for approximate detection patterns:

MR3 Luminaire or remote mount controller with #3 lens



Outdoor Interact (WIAP): Connected sensor with integral occupancy and daylight sensing, supports wireless mesh connectivity. Sensor works in the standalone mode when configured without a gateway. When used with a gateway you are able to access additional functionalities such as energy monitoring, scheduling and BMS integration. Interact offers an App, a portal and a broad portfolio of Interact-ready Indoor and Outdoor luminaires, lamps and retrofit kits all working on the same system. The App provides flexibility to choose between a standalone or gateway mode. Setup with the gateway requires wired Internet access to the gateway. WIAP includes SR driver and SR receptacle. Daylight harvesting supported through dimming - activated via the Interact App. Sensors IP66 rated.

For more information on Interact Pro visit:

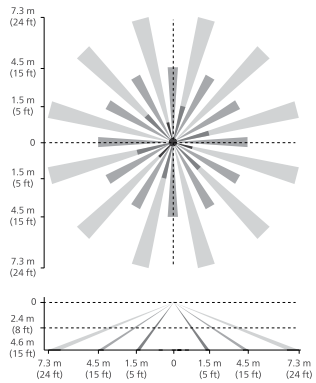
www.interact-lighting.com/interactproscalablesystem

OPF-M OptiForm medium

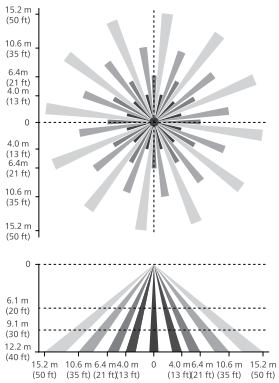
Site & area luminaire

Specifications (cont'd)

LB or LW low sensor



HB or HW high sensor



Note: The beam patterns shown are intended solely as a general guide and are not to scale. Sensing capabilities and coverage area depend on many factors including the size, speed and direction of travel of persons and vehicles; sensor mounting height; environmental and site conditions; etc.

Electrical

Twist-Lock Receptacle (TR7/TLP): Twist-Lock Receptacle with 7 pins enabling dimming with additional functionality (by others) can be used with a twist-lock photoelectric cell or a shorting cap. Dimming Receptacle Type D-24 (7-pin) in accordance to ANSI C136.41. Can be used with third-party control system. Receptacle located on top of luminaire arm. When specifying receptacle with twist-lock photoelectric cell, voltage must be specified. When ordering 7-pin Twist-lock receptacle (TR7), all 7 pins are wired to respective pins with the Sensor Ready (SR) driver, and photocell or shorting cap is not included. When ordering a twist-lock receptacle with a photocell (TLP), the receptacle used is a 7-pin receptacle, with pins 6 and 7 connected to SR DALI driver. 0-10V dimming leads (pins 4 and 5) are connected if not ordered with any other dimming option.

Twist-Lock Receptacle (TR5/TR7): Twist Lock Receptacle with 5 pins enabling dimming or with 7 pins with additional functionality (by others) can be used with a twistlock photoelectric cell or a shorting cap. Dimming Receptacle Type B (5-pin) and Type D-24 (7-pin) in accordance to ANSI C136.41. Can be used with third-party control system. Receptacle located on top of luminaire housing. When specifying receptacle with twistlock photoelectric cell, voltage must be specified. When ordering 7-pin Twist-lock receptacle (TR7), all 7 pins are wired to respective pins with the Sensor Ready (SR) driver, and photocell or shorting cap is not included. When ordering a twist-lock receptacle with a photocell (TLP), the receptacle used is a 7-pin receptacle, with pins 6 and 7 connected to SR DALI driver. 0-10V dimming leads (pins 4 and 5) are connected if not ordered with any other dimming option.

Driver: Driver efficiency (>90% standard). 120-480V available (restrictions apply). Open/short circuit protection. All drivers are 0-10V dimming to 10% power standard, except when using Sensor Ready (SR) drivers, which uses DALI protocol (options CS50/CM50/CS30/CM30, SRDR, and TR7). Drivers are RoHS and FCC Title 47 CFR Part 15 compliant.

Button Photocontrol (PCB): Button style design for internal luminaires mounting applications. The photocontrol is constructed of a high impact UV stabilized polycarbonate housing. Rated voltage of 120V or 208-277V with a load rating of 1000 VA. The photocell will turn on with 1-4Fc of ambient light.

Surge protection (SP1/SP2): Surge protection device tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 10kV/10kA waveforms for Line-Ground, Line-Neutral and Neutral-Ground, and in accordance with DOE MSSLC Model Specification for LED Roadway Luminaires Appendix D Electrical Immunity High test level 10kV/10kA. 20kV / 10kA surge protection device that provides extra protection beyond the SP1 10kV/10kA level.

Listings

UL/cUL wet location listed to the UL 1598 standard, suitable for use in ambient temperatures from -40° to 40°C (-40° to 104°F). All Optiform configurations are qualified under Design Lights Consortium Premium classification. Consult DLC Qualified Products list to confirm your specific luminaire selection is approved. CCTs 3000K and warmer are Dark Sky Compliant.

Finish

Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) textured polyester powdercoat finish. Standard colors include bronze (BZ), black (BK), white (WH), dark gray (DGY), and medium gray (MGY). Consult Factory for specs on optional, custom colors, and marine grade paint.

Service Tag

Each individual luminaire is uniquely identifiable, thanks to the Service tag application. With a simple scan of a QR code, placed on the inside of the mast door, you gain instant access to the luminaire configuration, making installation and maintenance operations faster and easier, no matter what stage of the luminaire's lifetime. Just download the APP and register your product right away. For more details visit: signify.com

Warranty

OptiForm luminaires feature a 5-year limited warranty
See signify.com/warranties for complete details and exclusions.

GENLYTE SOLUTIONS
a signify business

Signify North America Corp.
400 Crossing Blvd, Suite 600
Bridgewater, NJ 08807
Telephone: 800-555-0050

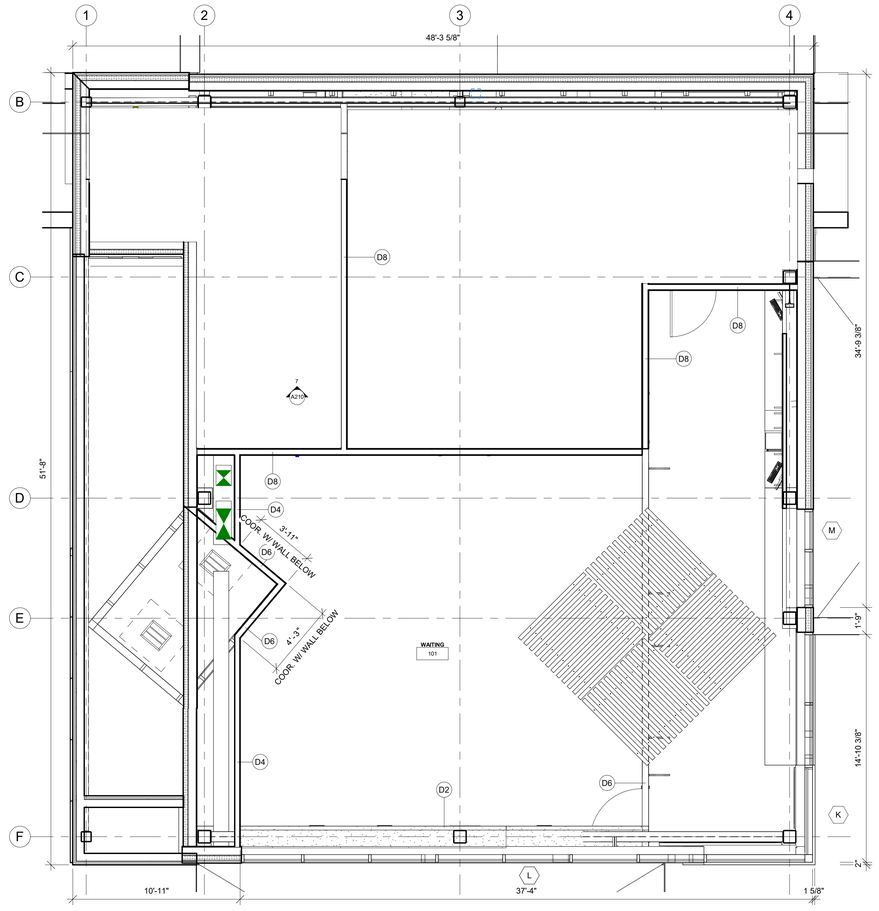
Signify Canada Ltd.
281 Hillmount Road,
Markham, ON, Canada L6C 2S3
Telephone: 800-668-9008

1 DIMENSIONED FLOOR PLAN

1/4" = 1'-0"

PLAN NORTH

TRUE NORTH



2 CLERESTORY PLAN

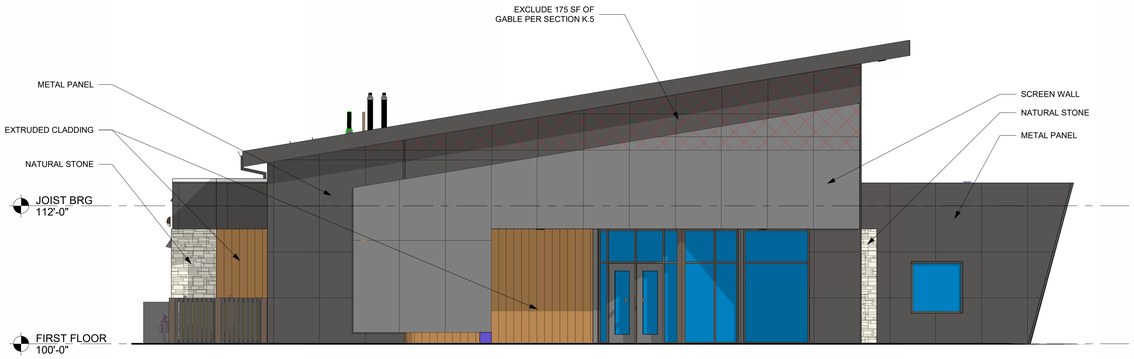
1/4" = 1'-0"

PLAN NORTH

TRUE NORTH

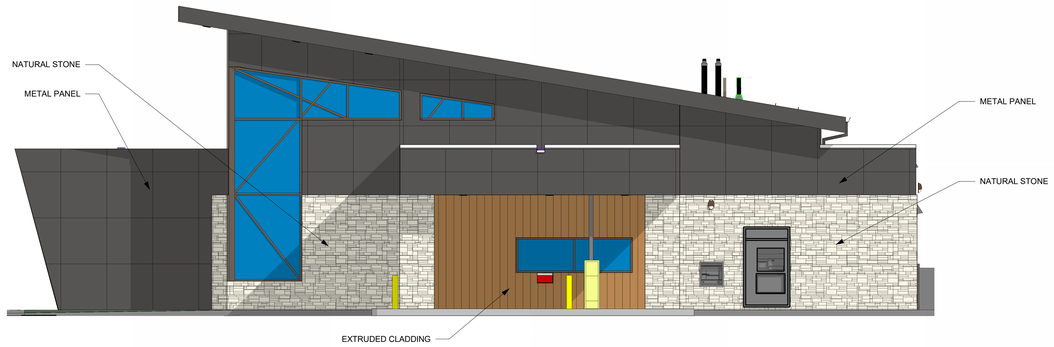
ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
HSR Associates

GUNDERSEN CREDIT UNION
NEW BRANCH LOCATION - LA CROSSE

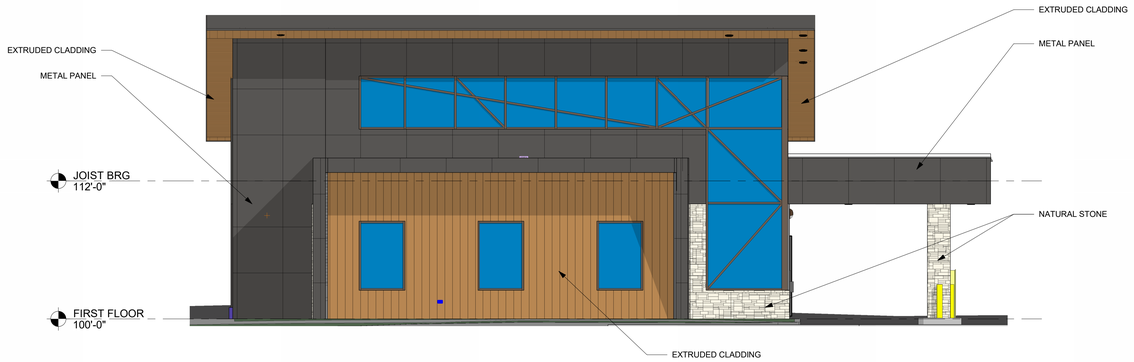


NORTH ELEVATION

NORTH ELEVATION GLAZING (STREET FACING)
Total SF = 1383 - 175 (GABLE) = 1208
Glazing SF = 251
Glazing % = 20.7%



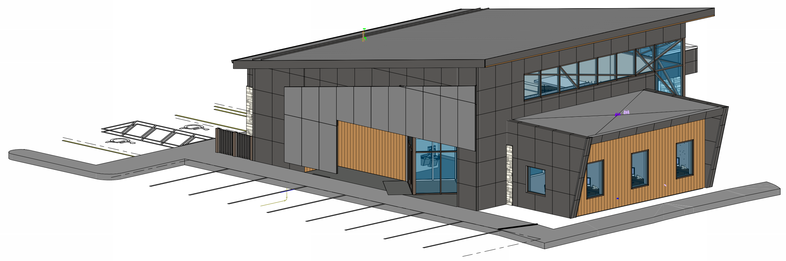
SOUTH ELEVATION



WEST ELEVATION

WEST ELEVATION GLAZING (STREET FACING)
Total SF = 1180
Glazing SF = 344
Glazing % = 29.1%

EAST ELEVATION



3D VIEW NW

EXTERIOR MATERIALS LEGEND:
BASIS OF DESIGN

NATURAL STONE : FOND DU LAC STONE - ATLAS LEDGESTONE - CREAM/WHITE - COLOR

EXTRUDED CLADDING : LONGBOARD ALUMINUM TONGUE & GROOVE PLANK DARK CHERRY - COLOR

METAL PANEL : PAC-CLAD MODUAL AL SERIES PANEL SYSTEM - CHARCOAL - COLOR

SCREEN WALL (DECORATIVE):
REVAMP SCREEN WALL
GRAY - COLOR

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
HSR Associates

GUNDERSEN CREDIT UNION
NEW BRANCH LOCATION - LA CROSSE

GUNDERSEN
CREDIT UNION

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
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25052

GUNDERSEN CREDIT UNION
NEW BRANCH LOCATION - LA CROSSE

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