URBAN DESIGN COMMISSION APPLICATION

UDC

City of Madison
Planning Division
Madison Municipal Building, Suite 017
215 Martin Luther King, Jr. Blvd.
P.O. Box 2985
Madison, WI 53701-2985
(608) 266-4635

FOR OFFICE USE ONLY:

Paid _____ Receipt # _____

Date received _____

Received by _____

Aldermanic District _____

Zoning District _____

Urban Design District _____

Submittal reviewed by _____

Legistar # _____

Complete all sections of this application, including the desired meeting date and the action requested.

If you need an interpreter, translator, materials in alternate formats or other accommodations to access these forms, please call the phone number above immediately.

1. Project Information

Address: 5535 University Ave. Madison, WI 53705

Title: Brennan's Market

2. Application Type (check all that apply) and Requested Date

UDC meeting date requested 8/11/22

- ☐ New development
- ☑ Alteration to an existing or previously-approved development
- ☐ Informational
- ☐ Initial approval
- ☑ Final approval

3. Project Type

- ☑ Project in an Urban Design District
- ☐ Project in the Downtown Core District (DC), Urban Mixed-Use District (UMX), or Mixed-Use Center District (MXC)
- ☐ Project in the Suburban Employment Center District (SEC), Campus Institutional District (CI), or Employment Campus District (EC)
- ☐ Planned Development (PD)
  - ☐ General Development Plan (GDP)
  - ☐ Specific Implementation Plan (SIP)
- ☐ Planned Multi-Use Site or Residential Building Complex

Signage

- ☐ Comprehensive Design Review (CDR)
- ☐ Signage Variance (i.e. modification of signage height, area, and setback)
- ☐ Signage Exception

Other

- ☐ Please specify

_____

4. Applicant, Agent, and Property Owner Information

Applicant name Martin O'Connor — Company Realm Real Estate Development, LLC

Street address 3120 Edmonton Dr. Suite 300 — City/State/Zip Sun Prairie, WI 53590

Telephone (608) 712-1463 — Email marty@homeagainliving.com

Project contact person Kevin Burow — Company Knothe & Bruce Architects, LLC

Street address 7601 University Ave. STE 201 — City/State/Zip Middleton, WI 53562

Telephone (608) 836-3690 — Email kburow@knothebruce.com

Property owner (if not applicant) _____

Street address _____ — City/State/Zip _____

Telephone _____ — Email _____

5. Required Submittal Materials

- ☑ **Application Form**
- ☑ **Letter of Intent**
  - If the project is within an Urban Design District, a summary of how the development proposal addresses the district criteria is required
  - For signage applications, a summary of how the proposed signage is consistent with the applicable CDR or Signage Variance review criteria is required.
- ☑ **Development Plans** (Refer to checklist on Page 4 for plan details)
- ☑ **Filing fee**
- ☑ **Electronic Submittal***
- ☑ **Notification to the District Alder**
  - Please provide an email to the District Alder notifying them that you are filing this UDC application. Please send this as early in the process as possible and provide a copy of that email with the submitted application.

Each submittal must include fourteen (14) 11" x 17" **collated** paper copies. Landscape and Lighting plans (if required) must be **full-sized and legible**. Please refrain from using plastic covers or spiral binding.

Both the paper copies and electronic copies must be submitted prior to the application deadline before an application will be scheduled for a UDC meeting. Late materials will not be accepted. A completed application form is required for each UDC appearance.

For projects also requiring Plan Commission approval, applicants must also have submitted an accepted application for Plan Commission consideration prior to obtaining any formal action (initial or final approval) from the UDC. All plans must be legible when reduced.

**Electronic copies of all items submitted in hard copy are required. Individual PDF files of each item submitted should be compiled on a CD or flash drive, or submitted via email to udcapplications@cityofmadison.com. The email must include the project address, project name, and applicant name. Electronic submittals via file hosting services (such as Dropbox.com) are not allowed. Applicants who are unable to provide the materials electronically should contact the Planning Division at (608) 266-4635 for assistance.*

6. Applicant Declarations

1. Prior to submitting this application, the applicant is required to discuss the proposed project with Urban Design Commission staff. This application was discussed with Chris Wells on 7/18/2018.

2. The applicant attests that all required materials are included in this submittal and understands that if any required information is not provided by the application deadline, the application will not be placed on an Urban Design Commission agenda for consideration.

Name of applicant Martin O'Connor Relationship to property Property Owner

Authorizing signature of property owner _____ Date 6/16/2021

7. Application Filing Fees

Fees are required to be paid with the first application for either initial or final approval of a project, unless the project is part of the combined application process involving the Urban Design Commission in conjunction with Plan Commission and/or Common Council consideration. Make checks payable to City Treasurer. Credit cards may be used for application fees of less than $1,000.

Please consult the schedule below for the appropriate fee for your request:

- ☐ Urban Design Districts: $350 *(per §35.24(6) MGO)*.
- ☐ Minor Alteration in the Downtown Core District (DC) or Urban Mixed-Use District (UMX) : $150 *(per §33.24(6)(b) MGO)*
- ☐ Comprehensive Design Review: $500 *(per §31.041(3)(d)(1)(a) MGO)*
- ☐ Minor Alteration to a Comprehensive Sign Plan: $100 *(per §31.041(3)(d)(1)(c) MGO)*
- ☐ All other sign requests to the Urban Design Commission, including, but not limited to: appeals from the decisions of the Zoning Administrator, requests for signage variances (i.e. modifications of signage height, area, and setback), and additional sign code approvals: $300 *(per §31.041(3)(d)(2) MGO)*

A filing fee is not required for the following project applications if part of the combined application process involving both Urban Design Commission and Plan Commission:

— Project in the Downtown Core District (DC), Urban Mixed-Use District (UMX), or Mixed-Use Center District (MXC)

— Project in the Suburban Employment Center District (SEC), Campus Institutional District (CI), or Employment Campus District (EC)

— Planned Development (PD): General Development Plan (GDP) and/or Specific Implementation Plan (SIP)

— Planned Multi-Use Site or Residential Building Complex

URBAN DESIGN COMMISSION APPROVAL PROCESS

UDC

Introduction

The City of Madison's Urban Design Commission (UDC) has been created to:

- Encourage and promote high quality in the design of new buildings, developments, remodeling, and additions so as to maintain and improve the established standards of property values within the City.
- Foster civic pride in the beauty and nobler assets of the City, and in all other ways possible assure a functionally efficient and visually attractive City in the future.

Types of Approvals

There are three types of requests considered by the UDC:

- Informational Presentation. Applicants may, at their discretion, request to make an Informational Presentation to the UDC prior to seeking any approvals to obtain early feedback and direction before undertaking detailed design. Applicants should provide details on the context of the site, design concept, site and building plans, and other relevant information to help the UDC understand the proposal and provide feedback. (Does not apply to CDR's or Signage Variance requests)
- Initial Approval. Applicants may, at their discretion, request initial approval of a proposal by presenting preliminary design information. As part of their review, the Commission will provide feedback on the design information that should be addressed at Final Approval stage.
- Final Approval. Applicants may request Final Approval of a proposal by presenting all final project details. Recommendations or concerns expressed by the UDC in the initial approval must be addressed at this time.

Presentations to the Commission

Primarily, the UDC is interested in the appearance and design quality of projects. Emphasis should be given to the site plan, landscape plan, lighting plan, building elevations, exterior building materials, color scheme, and graphics.

When presenting projects to the UDC, applicants must fill out a registration slip provided in the meeting room and present it to the Secretary. Presentations should generally be limited to 5 minutes or as extended by motion by consent of the Commission. The Commission will withhold questions until the end of the presentation.

Applicants are encouraged to consider the use of various graphic presentation material including a locator map, photographs, renderings/model, scale drawings of the proposal in context with adjacent buildings/uses/signs, etc., as may be deemed appropriate to describe the project and its surroundings. Graphics should be mounted on rigid boards so that they may be easily displayed. **Applicants/presenters are responsible for all presentation materials, AV equipment and easels**.

URBAN DESIGN DEVELOPMENT PLANS CHECKLIST

UDC

The items listed below are minimal application requirements for the type of approval indicated. Please note that the UDC and/or staff may require additional information in order to have a complete understanding of the project.

1. Informational Presentation

- ☐ Locator Map
- ☐ Letter of Intent (If the project is within an Urban Design District, a summary of how the development proposal addresses the district criteria is required)
- ☐ Contextual site information, including photographs and layout of adjacent buildings/structures
- ☐ Site Plan
- ☐ Two-dimensional (2D) images of proposed buildings or structures.

Providing additional information beyond these minimums may generate a greater level of feedback from the Commission.

Requirements for All Plan Sheets

1. Title block
2. Sheet number
3. North arrow
4. Scale, both written and graphic
5. Date
6. Fully dimensioned plans, scaled at 1"= 40' or larger

*** All plans must be legible, including the full-sized landscape and lighting plans (if required)*

2. Initial Approval

- ☐ Locator Map
- ☐ Letter of Intent (If the project is within a Urban Design District, a summary of how the development proposal addresses the district criteria is required)
- ☐ Contextual site information, including photographs and layout of adjacent buildings/structures
- ☐ Site Plan showing location of existing and proposed buildings, walks, drives, bike lanes, bike parking, and existing trees over 18" diameter
- ☐ Landscape Plan and Plant List (*must be legible*)
- ☐ Building Elevations in both black & white and color for all building sides (include material callouts)
- ☐ PD text and Letter of Intent (if applicable)

Providing additional information beyond these minimums may generate a greater level of feedback from the Commission.

3. Final Approval

All the requirements of the Initial Approval (see above), **plus**:

- ☐ Grading Plan
- ☐ Proposed Signage (if applicable)
- ☐ Lighting Plan, including fixture cut sheets and photometrics plan (*must be legible*)
- ☐ Utility/HVAC equipment location and screening details (with a rooftop plan if roof-mounted)
- ☐ PD text and Letter of Intent (if applicable)
- ☐ Samples of the exterior building materials (presented at the UDC meeting)

4. Comprehensive Design Review (CDR) and Variance Requests (***Signage applications only***)

- ☐ Locator Map
- ☐ Letter of Intent (a summary of how the proposed signage is consistent with the CDR or Signage Variance criteria is required)
- ☐ Contextual site information, including photographs of existing signage both on site and within proximity to the project site
- ☐ Site Plan showing the location of existing signage and proposed signage, dimensioned signage setbacks, sidewalks, driveways, and right-of-ways
- ☐ Proposed signage graphics (fully dimensioned, scaled drawings, including materials and colors, and night view)
- ☐ Perspective renderings (emphasis on pedestrian/automobile scale viewsheds)
- ☐ Illustration of the proposed signage that meets Ch. 31, MGO compared to what is being requested.
- ☐ Graphic of the proposed signage as it relates to what the Ch. 31, MGO would permit

June 16, 2021

Ms. Heather Stouder
Department of Planning & Community & Economic Development
Madison Municipal Building, Suite 017
215 Martin Luther King Jr. Blvd.
Madison, WI 53703

Re: Letter of Intent – Major Alteration
5535 University Ave – LNDUSE-2018-00107
KBA Project **#1735**

Ms. Heather Stouder:

The following is submitted together with the plans and application for the staff and Plan Commission's consideration of approval.

Organizational Structure:

Owner: 5533 University Ave., LLC
3120 Edmonton Drive, Suite 300
Sun Prairie, WI 53590
608-712-1463
Contact: Martin O'Connor
marty@homeagainliving.com

Architect: Knothe & Bruce Architects, LLC
7601 University Avenue, Ste 201
Middleton, WI 53562
608-836-3690
Contact: Kevin Burow
kburow@knothebruce.com

Engineer: Snyder & Associates, Inc.
5010 Voges Rd
Madison, WI 53718
(608) 838-0444
Contact: Mike Calkins
mcalkins@snyder-associates.com

Landscape Design: Nelson Landscaping, Inc.
P.O. Box 823
Waukesha, WI 53187
(608) 262-549-6111
Contact: Corey Nelson
Corey@nelsonlandscape.com

Introduction:

This submittal requests a revision to the Conditional Use approval approved by the Plan Commission at the January 8, 2018 meeting. The revisions to the plans have been implemented to improve the project and make the building more efficient. The unit mix has been adjusted and the unit count has increased from 60 apartments to 66 apartments. The site plan has also been updated by eliminating the first floor level parking below a portion of the building and also eliminating the vehicular access to University Avenue. The exterior architecture remains consistent with the originally approved plan.

The site is located at the southeast corner of University Avenue and Capitol Street and is currently zoned Neighborhood Mixed-Use. The site is currently occupied by a 1-story retail business that served as the former Brennan's Market. This proposal requests a revised conditional use approval for a mixed-use development with commercial use on the first floor and three levels of housing above the commercial. A Certified Survey Map has been submitted to combine the underlying parcels into one lot.

Project Description:
This proposed project is a mixed-use development consisting of approximately 2,735 square feet of retail space and 66 apartments with vehicle parking located primarily below the building. Along University Avenue, a generous set back is provided to allow for a landscape buffer and the building is stepped back above the third floor to reduce the perceived height. The building also has significant setbacks on the side and rear lot lines allowing for landscaping and solar access to neighboring properties.

The exterior architecture is a clean urban architecture. On the street and eastern facades, the major material is brick masonry accented with fiber-cement siding. Towards the rear of the building the material palette uses a higher amount of fiber-cement siding consistent with the transition to the residential uses to the south.

The vehicle parking stalls in the underground garage will be assigned for residents. Nine of the surface stalls will be assigned to residents and the remaining surface stalls will be for commercial and additional residential parking.

Design Progression:
This project has been through various design progressions, and this progression responds to the previous December 21, 2018 Site Plan Submittal – LNDUSE-2019-00107. The design now includes an increased unit count to better provide the necessary housing for the area. The usable open space also increased, offering more square footage per unit. This was accomplished by reprogramming the site traffic flow. By removing the drive entrance from University Avenue, the site creates a better pedestrian and public transit experience. The commercial space maintains access to both Capital Avenue and University Avenue, and ample bike and vehicle parking is provided. The exterior architecture theme has maintained the same.

Spring Harbor Neighborhood Plan and UDD #6
This project is consistent with the goals and guidelines of both the Spring Harbor Neighborhood Plan and the UDD #6 Guidelines. The SHNP calls for attractive mixed-use development at specified redevelopment sites including the Brennan's Market site. In addition, the plan calls for pedestrian-oriented and transit-oriented development to occur; both of which are met with the proposed plan. The commercial use faces the two streets and have direct pedestrian access. A Madison Metro bus stop is currently located at the street intersection, but the City of Madison has plans in the future for the bus stop to be located along University Avenue in front of the commercial area.

UDD # 6 generally refers to the SHNP but specifically calls for a minimum and maximum building height of three to four stories with parking areas located to the rear of the site.

Site Development Data:	**Previously Approved**	**Proposed**
Densities:		
Lot Area	48,517 sf / 1.1 Acres	48,517 sf / 1.1 Acres
Dwelling Units	60 D.U.	66 D.U.
Lot Area / D.U.	808 sf / unit	735 sf / unit
Density	54 units/acre	60 units/acre
Gross Commercial Area	5,617 sf (44% of first floor)	2,735 sf (17% of first floor)

Building Height	4 stories	4 stories
Lot Coverage	35,565 S.F. = 73.3%	33,360 S.F. = 68.7%
Usable Open Space	11, 968 S.F. (199 sf / D.U.)	14,197 S.F. (215 sf / D.U.)
Dwelling Unit Mix:		
Efficiency	18	18
One Bedroom	29	33
One Bedroom + Den	1	0
Two Bedroom	12	15
Total Dwelling Units	60	66
Vehicle Parking:		
Surface	38 stalls	30 stalls
Underground	52 stalls	57 stalls
Total	90 stalls	87 stalls
Bicycle Parking:		
Surface Residential	1 stall	0 stalls
Surface Commercial	3 stalls	2 stalls
Surface Guest	6 stalls (10% of units)	7 stalls (10% of units)
Underground Garage – Wall Hung	19 stalls (covered)	17 stalls (covered)
Underground Garage STD. 2'x6'	40 stalls (covered)	49 stalls (covered)
Total	69 stalls	75 stalls

Project Schedule:
It is anticipated that the construction on this site will start in late 2021/early 2022 with a final completion date of Spring 2023.

Thank you for your time reviewing our proposal.

Sincerely,

Kevin Burow, AIA, NCARB, LEED AP
Managing Member

September 1, 2017

Mark Clear
Alderperson – District #19
110 Shiloh Dr.
Madison, WI 53705

Re: 5533 University Avenue
KBA Project No: 1735

Dear Alder Clear,

On behalf of Jerry Connery and Knothe & Bruce Architects, I would like to take this opportunity to formally notify you that we plan on submitting our application for a mixed-use development at 5533 University Avenue.

We look forward to working with you to design a successful development for this property. If you have any questions, please contact me at 608-836-3690 or rbruce@knothebruce.com.

Sincerely,

J. Randy Bruce, AIA
Managing Member

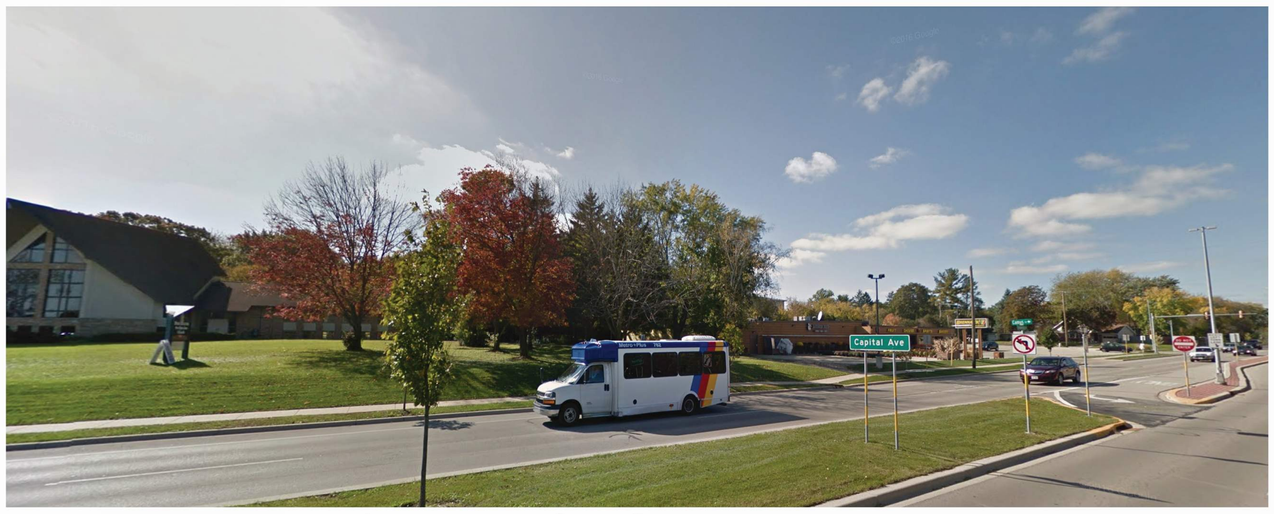
Cc: Aaron Crandall, 5114 Flambeau Rd, Madison, WI 53705
Spring Harbor Neighborhood Association

Ph 608.836.3690
Fx 608.836.6934
knothebruce.com
7601 University Ave., Suite 201
Middleton, WI 53562

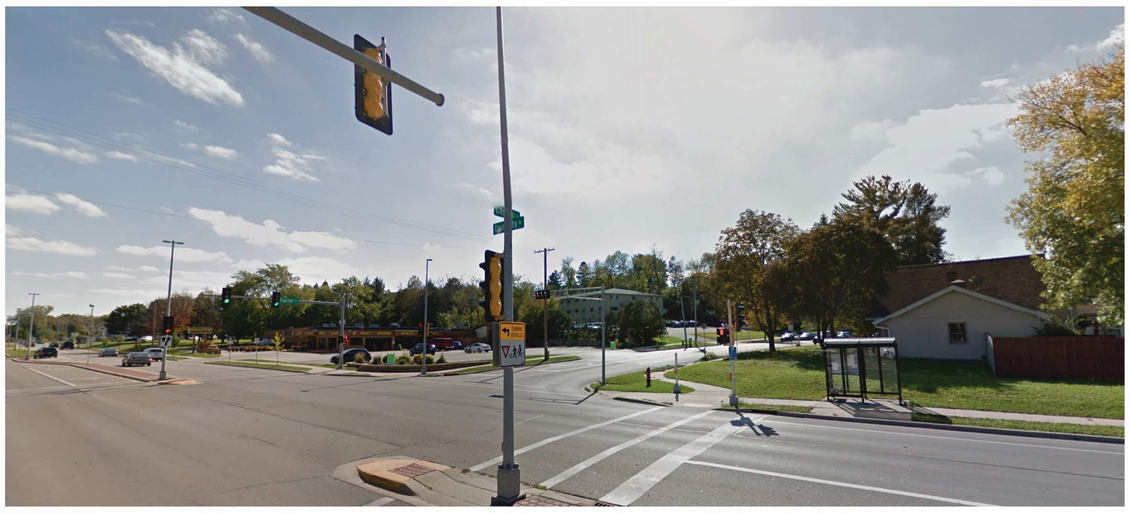
5533 University Ave.
October 4, 2017

knothe bruce ARCHITECTS

View of site from University Avenue

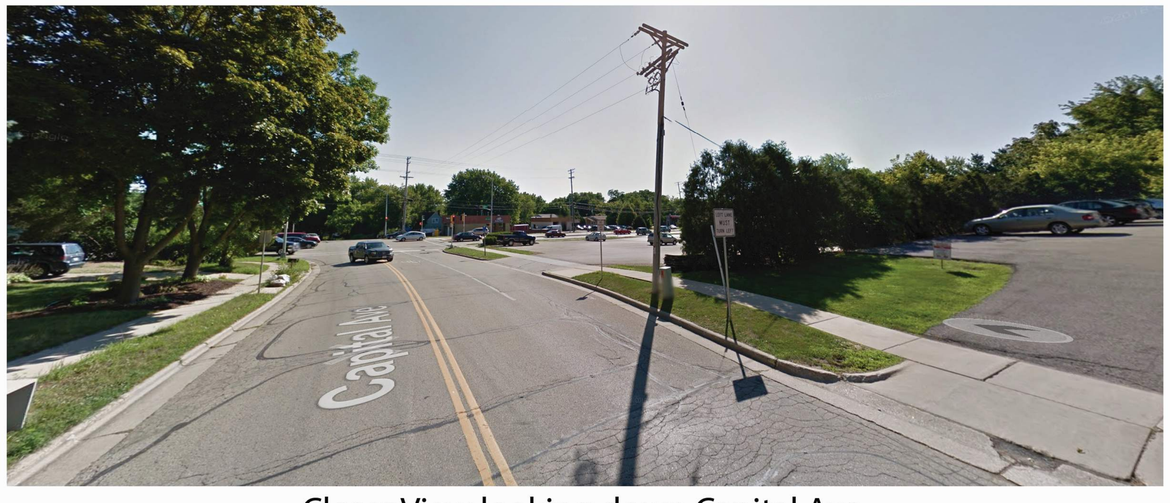


Northeast View of site from University Avenue



View from corner of University and Capital Ave.

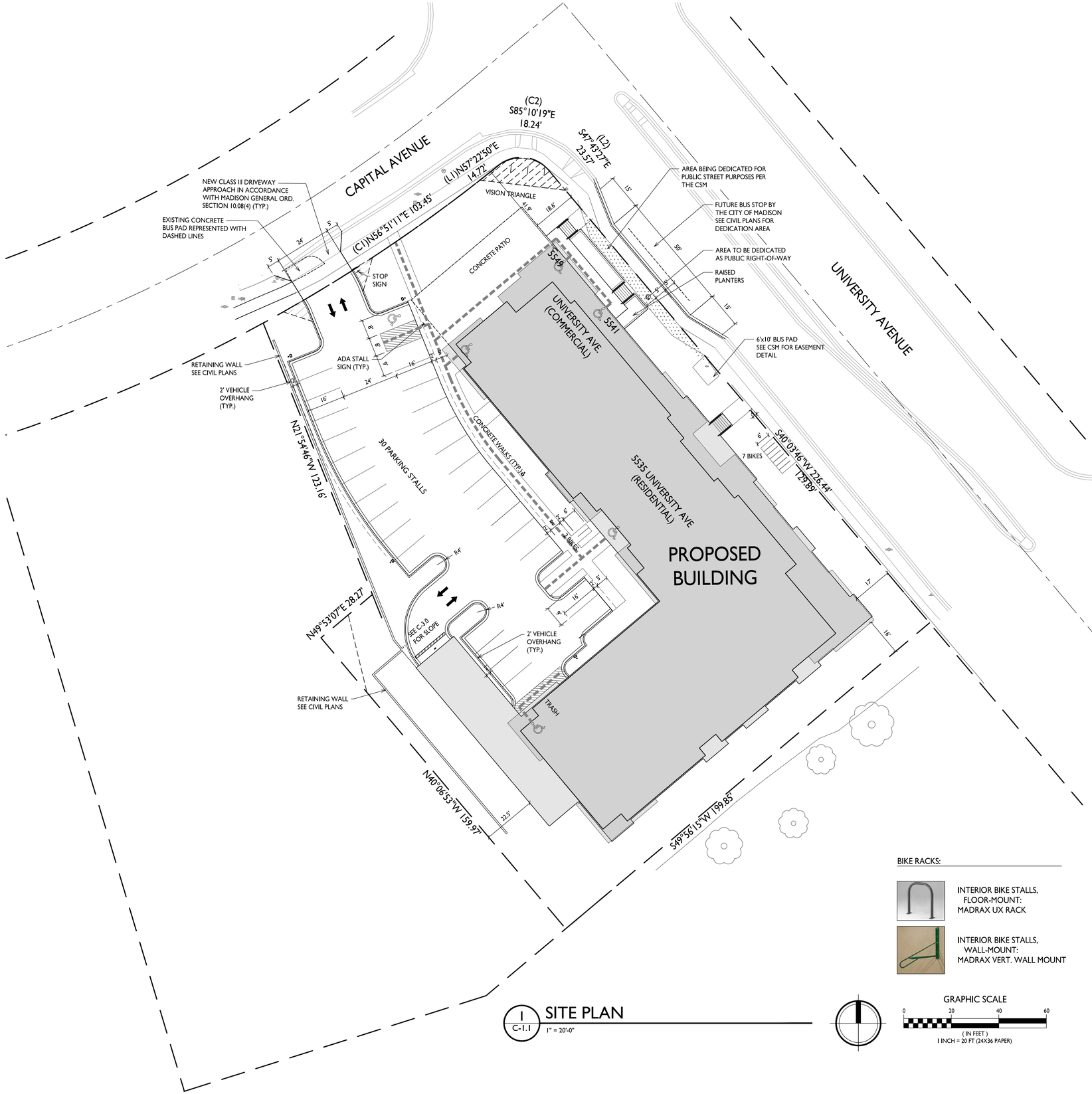
View looking down Capital Ave.



Closer View looking down Capital Ave.

Demo Photos
5533 University Ave.
October 10, 2017

kba
knothe • bruce
ARCHITECTS



SHEET INDEX

SITE	
C-1.1	SITE PLAN
C-1.2	SITE LIGHTING PLAN
C-1.3	FIRE DEPARTMENT ACCESS PLAN
C-1.4	LOT COVERAGE
C-1.5	USABLE OPEN SPACE
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C-2.2	SITE PLAN
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A-2.2	ELEVATIONS
A-2.3	ELEVATIONS

SITE DEVELOPMENT DATA:

DENSITIES:	
LOT AREA	48,517 SF / 1.1 ACRES
DWELLING UNITS	66 DU
LOT AREA / D.U.	735 SF / UNIT
DENSITY	61 UNITS/ACRE
GROSS COMMERCIAL AREA	APPROX. 2,735 SF
BUILDING HEIGHT	4 STORIES
LOT COVERAGE	33,360 S.F. = 68.7%
USABLE OPEN SPACE	14,197 S.F.
DWELLING UNIT MIX:	
EFFICIENCY	18
ONE BEDROOM	33
TWO BEDROOM	15
TOTAL DWELLING UNITS	66
VEHICLE PARKING:	
SURFACE	30 STALLS
UNDERGROUND/ COVERED	57 STALLS
TOTAL	87 STALLS

BICYCLE PARKING:	
SURFACE COMMERCIAL	2 STALLS
SURFACE GUEST	7 STALLS (10% OF UNITS)
UNDERGROUND GARAGE - WALL	17 STALLS (COVERED)
UNDERGROUND/SURFACE GARAGE STD. 2'X6'	49 STALLS (COVERED)
TOTAL	75 STALLS

GENERAL NOTES:

1. THE APPLICANT SHALL REPLACE ALL SIDEWALK AND CURB AND GUTTER WHICH ABUTS THE PROPERTY WHICH IS DAMAGED BY THE CONSTRUCTION OR ANY SIDEWALK AND CURB AND GUTTER WHICH THE CITY ENGINEER DETERMINES NEEDS TO BE REPLACED BECAUSE IT IS NOT AT A DESIRABLE GRADE REGARDLESS OF WHETHER THE CONDITION EXISTED PRIOR TO BEGINNING CONSTRUCTION.
2. ALL WORK IN THE PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED BY A CITY LICENSED CONTRACTOR.
3. ALL DAMAGE TO THE PAVEMENT , ADJACENT TO THIS DEVELOPMENT SHALL BE RESTORED IN ACCORDANCE WITH THE CITY OF MADISON'S PAVEMENT PATCHING CRITERIA.
4. APPROVAL OF PLANS FOR THIS PROJECT DOES NOT INCLUDE ANY APPROVAL TO PRUNE, REMOVE, OR PLANT TREES IN THE PUBLIC RIGHT-OF-WAY. PERMISSION FOR SUCH ACTIVITIES MUST BE OBTAINED FROM THE CITY FORESTER, 266-4816.
5. EASEMENT LINES SHOWN ON THIS SHEET ARE FOR GENERAL REFERENCE ONLY - SEE CSM AND CIVIL SHEETS FOR ADDITIONAL AND MORE COMPLETE EASEMENT INFORMATION
6. CONTRACTOR SHALL INSTALL TREE PROTECTION FENCING IN THE AREA BETWEEN THE CURB AND SIDEWALK AND EXTEND IT AT LEAST 5 FEET FROM BOTH SIDES OF THE TREE ALONG THE LENGTH OF THE TERRACE. NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE OUTSIDE EDGE OF THE TREE TRUNK. IF EXCAVATION WITHIN 5 FEET OF ANY TREE IS NECESSARY, CONTRACTOR SHALL CONTACT CITY FORESTRY (266-4816) PRIOR TO EXCAVATION TO ASSESS THE IMPACT TO THE TREE AND ROOT SYSTEM. TREE PRUNING SHALL BE COORDINATED WITH CITY FORESTRY PRIOR TO THE START OF CONSTRUCTION. TREE PROTECTION SPECIFICATIONS CAN BE FOUND IN SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. ANY TREE REMOVALS THAT ARE REQUIRED FOR CONSTRUCTION AFTER THE DEVELOPMENT PLAN IS APPROVED WILL REQUIRE AT LEAST A 72-HOUR WAIT PERIOD BEFORE A TREE REMOVAL PERMIT CAN BE ISSUED BY FORESTRY, TO NOTIFY THE ALDER OF THE CHANGE IN THE TREE PLAN.
7. THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDATION/PLAN OF TRAFFIC ENGINEERING AND CITY ENGINEERING DEPARTMENTS.

BIKE RACKS:

INTERIOR BIKE STALLS, FLOOR-MOUNT: MADRAX UX RACK

INTERIOR BIKE STALLS, WALL-MOUNT: MADRAX VERT. WALL MOUNT

GRAPHIC SCALE

0 20 40 60

(IN FEET)
1 INCH = 20 FT (24X36 PAPER)

1 / C-1.1 SITE PLAN
1" = 20'-0"

knothe bruce ARCHITECTS
Phone: 608.836.3690
7601 University Ave, Ste 201
Middleton, WI 53562

ISSUED

Issued for Land Use & UDC - September 5, 2018
Issued for Land Use Supplement - Nov. 2, 2018
Issued for Site Plan Review - December 21, 2018
Issued Supplements-Traffic & Zoning- Feb. 1.2019
Issued Supplements-Traffic & Zoning- 2/12/2019
Issues Supplements - Traffic & Zoning 1/16/2020
Issued for Revision to Previously Approved Plans - April 6, 2020
Issued for Revision to Previously Approved Plans - June 16, 2021

PROJECT TITLE
Mixed-Use Development

5535 University Ave.
Madison, WI
(Residential)

5541, 5545 & 5549
University Ave.
(Commercial)

SHEET TITLE
Site Plan

SHEET NUMBER
C-1.1

PROJECT NO. 1735

© Knothe & Bruce Architects, LLC

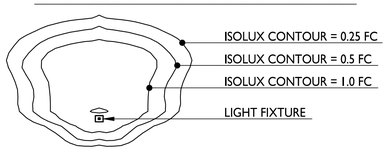
STATISTICS

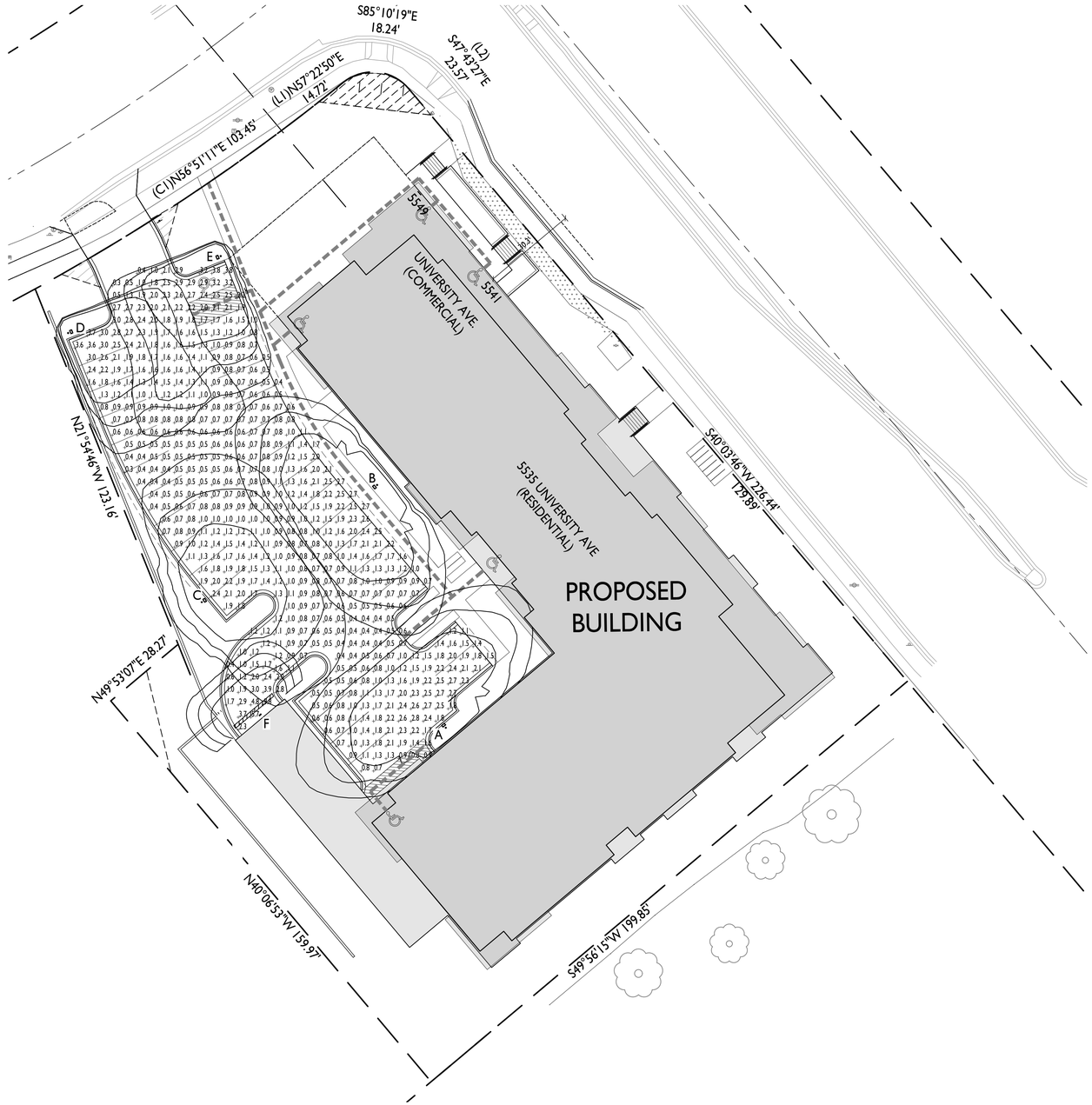
DESCRIPTION	SYMBOL	AVG.	MAX.	MIN.	MAX. / MIN.	AVG. / MIN.
Parking Area Lighting	+	1.3 fc	3.8 fc	0.3 fc	12.7:1	4.3:1
Parking Garage Entry Security Lighting	+	2.4 fc	5.8 fc	0.4 fc	14.5:1	6.0:1

LUMINAIRE SCHEDULE

SYMBOL	LABEL	QTY.	MANUF.	CATALOG	DESCRIPTION	FILE	MOUNTING
	A	1	LITHONIA LIGHTING	DSX0 LED P1 30K BLC MVOLT	DSX0 LED P1 30K BLC MVOLT	DSX0_LED_P1_30K _BLC_MVOLT.ies	14'-0" POLE ON 2'-0" TALL CONC. BASE
	B	1	LITHONIA LIGHTING	DSX0 LED P1 30K BLC MVOLT	DSX0 LED P1 30K BLC MVOLT	DSX0_LED_P1_30K _BLC_MVOLT.ies	16'-0" POLE ON FLUSH CONC. BASE
	C	1	LITHONIA LIGHTING	DSX0 LED P1 30K T4M MVOLT HS	DSX0 LED P1 30K T4M MVOLT WITH HOUSE SIDE SHIELD	DSX0_LED_P1_30K _T4M_MVOLT_HS.ies	14'-0" POLE ON 2'-0" TALL CONC. BASE
	D	1	LITHONIA LIGHTING	DSX0 LED P1 30K LCCO MVOLT	DSX0 LED P1 30K LCCO MVOLT	DSX0_LED_P1_30K _LCCO_MVOLT.ies	14'-0" POLE ON 2'-0" TALL CONC. BASE
	E	1	LITHONIA LIGHTING	DSX0 LED P1 30K RCCO MVOLT	DSX0 LED P1 30K RCCO MVOLT	DSX0_LED_P1_30K _RCCO_MVOLT.ies	14'-0" POLE ON 2'-0" TALL CONC. BASE
	F		LITHONIA LIGHTING	WPX1 LED P1 30K MVOLT	WPX1 LED WALLPACK, 1500lm, 3000K COLOR TEMPERATURE, 120-277 VOLTS	WPX1_LED_P1_30K _MVOLT.ies	8'-0" ABOVE GRADE ON BUILDING

EXAMPLE LIGHT FIXTURE DISTRIBUTION





1 C-1.2 SITE LIGHTING PLAN
1" = 20'-0"

GRAPHIC SCALE
0 20 40 60
(IN FEET)
1 INCH = 20 FT (24X36 PAPER)

knothe bruce ARCHITECTS
Phone: 608.836.3690
7601 University Ave, Ste 201
Middleton, WI 53562

ISSUED
Issued for Land Use & UDC - September 5, 2018
Issued for Land Use Supplement - Nov. 2, 2018
Issued for Revision to Previously Approved Plans - April 6, 2020
Issued for Revision to Previously Approved Plans - June 16, 2021

PROJECT TITLE
Mixed-Use Development

5535 University Ave.
Madison, WI
(Residential)

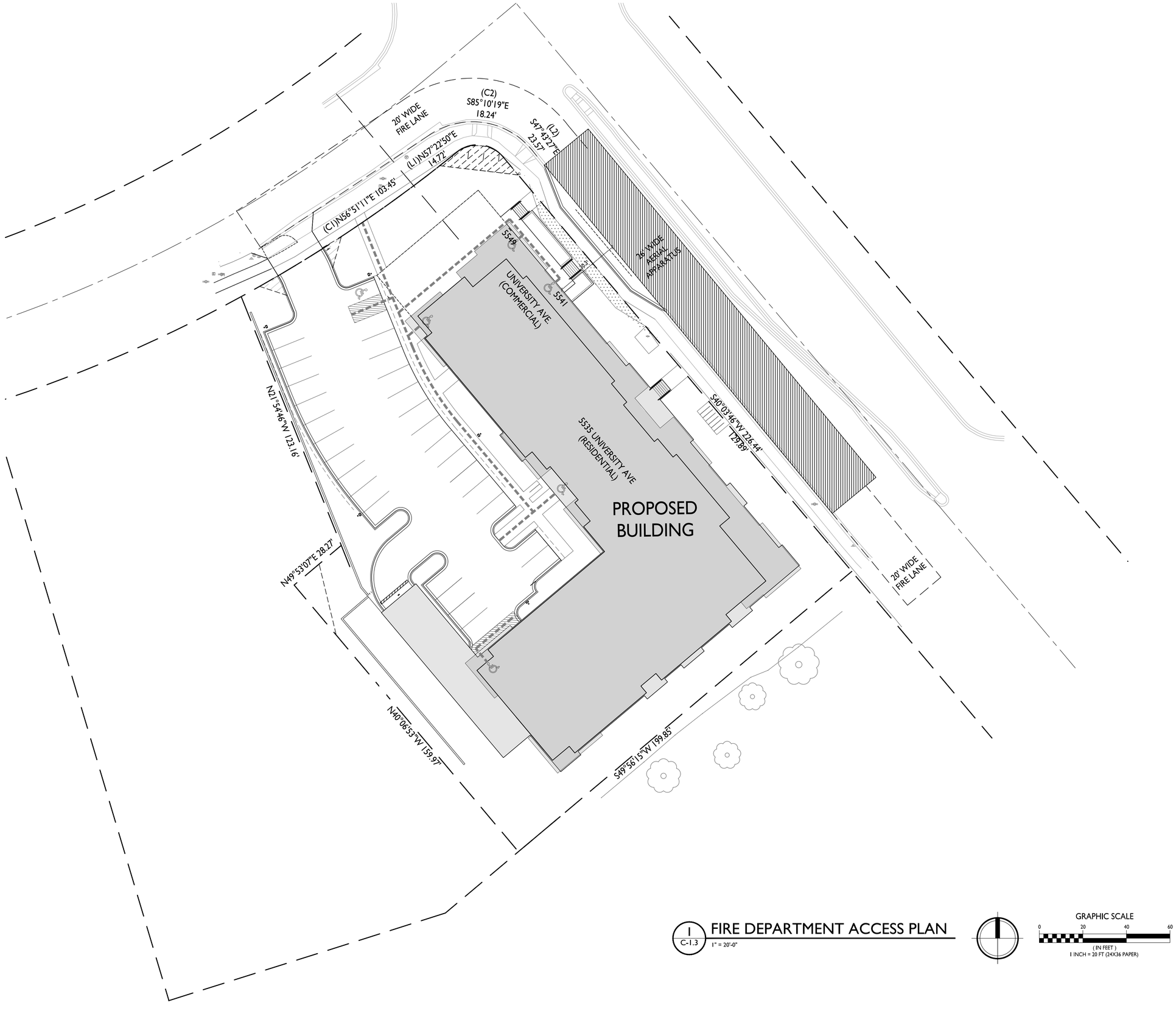
5541, 5545 & 5549
University Ave.
(Commercial)

SHEET TITLE
Site Lighting Plan

SHEET NUMBER
C-1.2

PROJECT NO. 1735

© Knothe & Bruce Architects, LLC



1 / C-1.3 FIRE DEPARTMENT ACCESS PLAN

1" = 20'-0"

GRAPHIC SCALE

0 20 40 60

(IN FEET)

1 INCH = 20 FT (24X36 PAPER)

knothe bruce ARCHITECTS

Phone: 608.836.3690

7601 University Ave, Ste 201
Middleton, WI 53562

ISSUED

Issued for Land Use & UDC - September 5, 2018
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Issued for Revision to Previously Approved Plans - June 16, 2021

PROJECT TITLE

Mixed-Use Development

5535 University Ave.
Madison, WI
(Residential)

5541, 5545 & 5549
University Ave.
(Commercial)

SHEET TITLE

Fire Department Access Plan

SHEET NUMBER

C-1.3

PROJECT NO. 1735

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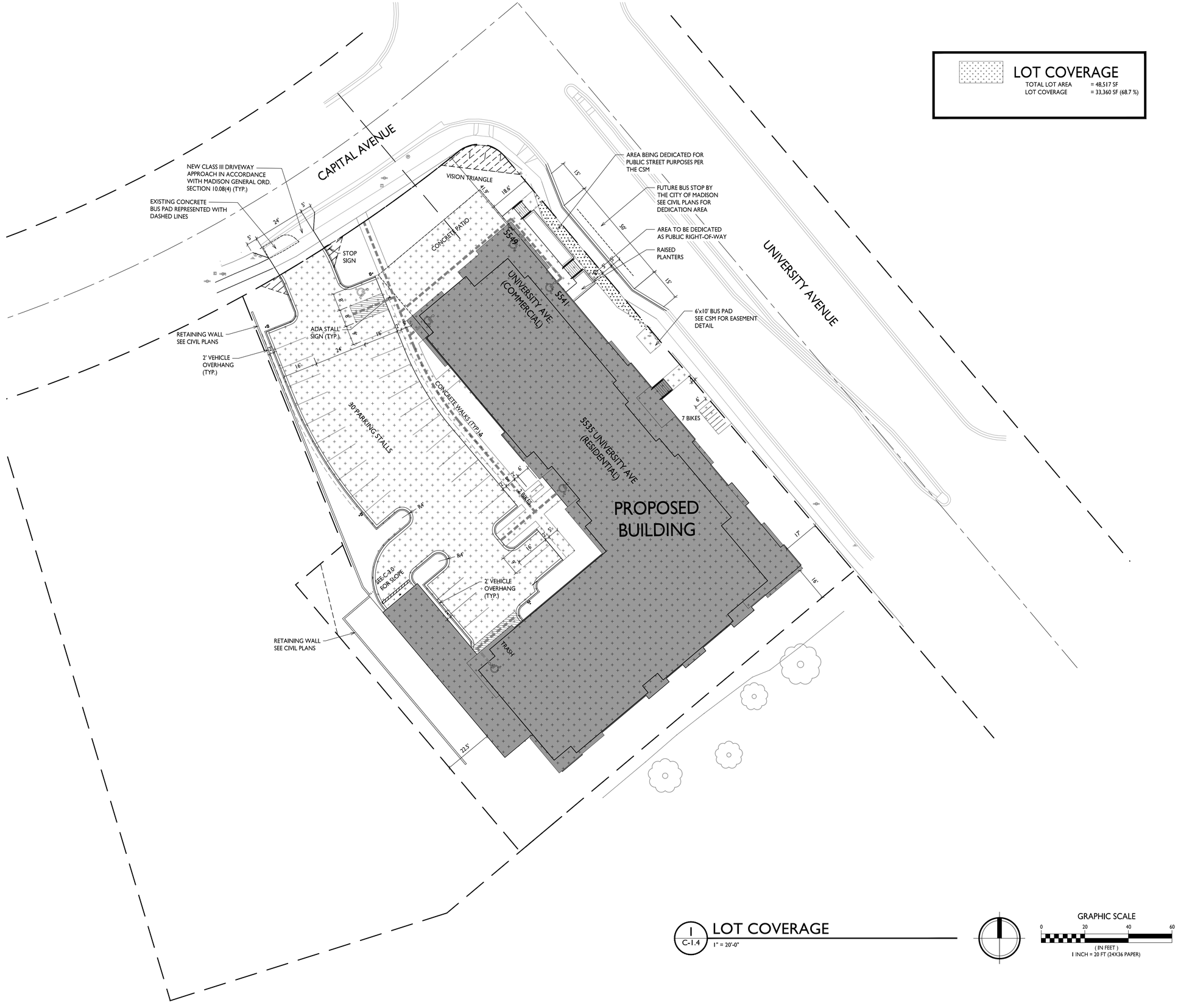

LOT COVERAGE

TOTAL LOT AREA = 48,517 SF
LOT COVERAGE = 33,360 SF (68.7 %)

1 / C-1.4 LOT COVERAGE
1" = 20'-0"

GRAPHIC SCALE
0 20 40 60
(IN FEET)
1 INCH = 20 FT (24X36 PAPER)

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Phone: 608.836.3690
7601 University Ave, Ste 201
Middleton, WI 53562

ISSUED
Issued for Land Use & UDC - September 5, 2018
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PROJECT TITLE
Mixed-Use Development

5535 University Ave.
Madison, WI
(Residential)

5541, 5545 & 5549
University Ave.
(Commercial)

SHEET TITLE
Lot Coverage

SHEET NUMBER
C-1.4

PROJECT NO. 1735

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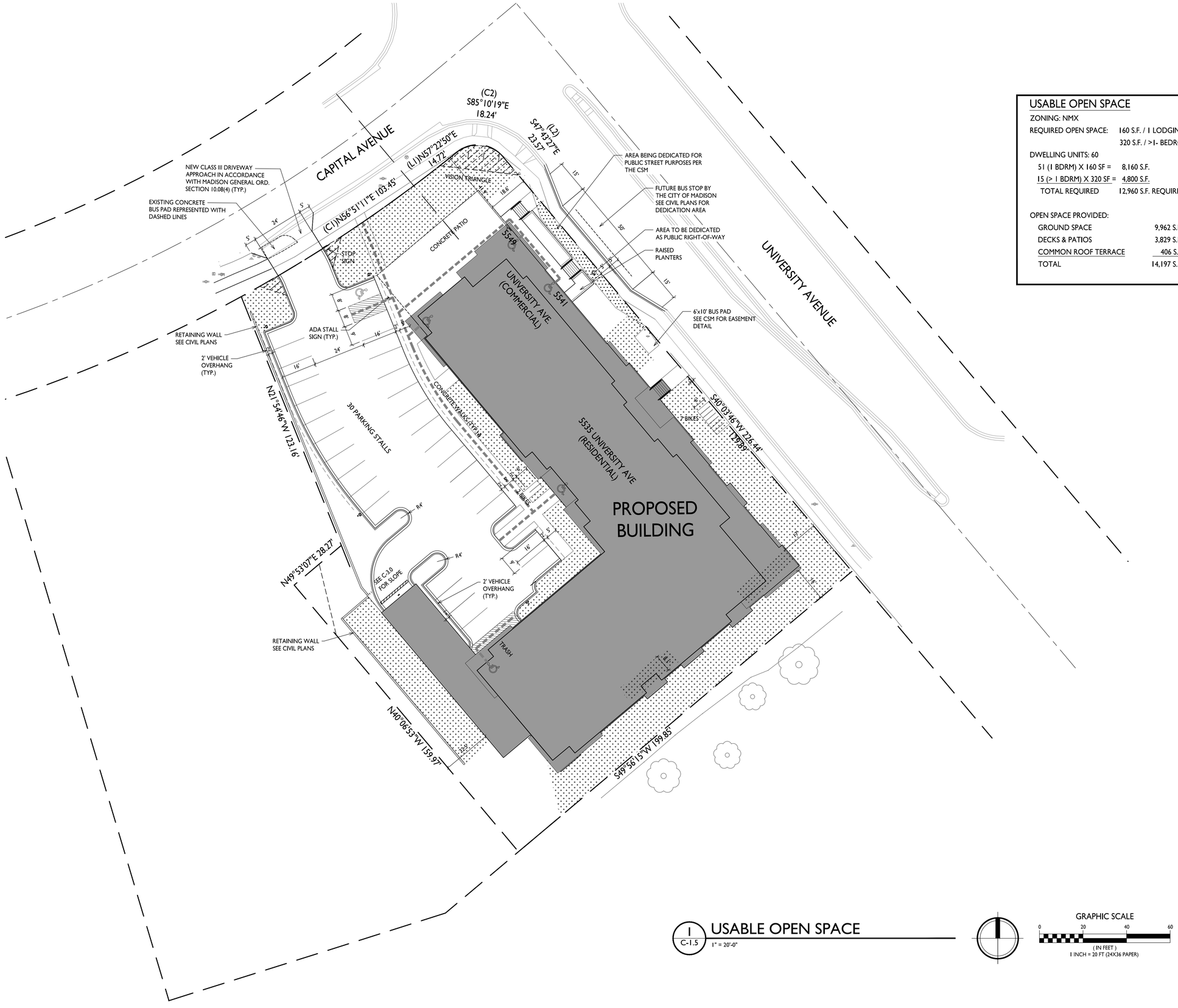

USABLE OPEN SPACE

ZONING: NMX

REQUIRED OPEN SPACE:	160 S.F. / 1 LODGING ROOM
	320 S.F. / >1- BEDROOM UNITS
DWELLING UNITS: 60	
51 (1 BDRM) X 160 SF =	8,160 S.F.
15 (> 1 BDRM) X 320 SF =	4,800 S.F.
TOTAL REQUIRED	12,960 S.F. REQUIRED

OPEN SPACE PROVIDED:	
GROUND SPACE	9,962 S.F.
DECKS & PATIOS	3,829 S.F. (see floor plans)
COMMON ROOF TERRACE	406 S.F. (see A-1.4)
TOTAL	14,197 S.F. PROVIDED

1 / C-1.5 USABLE OPEN SPACE
1" = 20'-0"

GRAPHIC SCALE
0 20 40 60
(IN FEET)
1 INCH = 20 FT (24X36 PAPER)

kba
knothe bruce
ARCHITECTS
Phone: 608.836.3690
7601 University Ave, Ste 201
Middleton, WI 53562

ISSUED
Issued for Land Use & UDC - September 5, 2018
Issued for Land Use Supplement - Nov. 2, 2018
Issued for Revision to Previously Approved Plans - June 16, 2021

PROJECT TITLE
Mixed-Use Development

5535 University Ave.
Madison, WI
(Residential)

5541, 5545 & 5549
University Ave.
(Commercial)

SHEET TITLE
Usable Open Space

SHEET NUMBER
C-1.5

PROJECT NO. 1735

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GENERAL CONDITIONS

1. THE CONTRACTOR SHALL NOTIFY THE OWNER TWO WORKING DAYS (48 HOURS) PRIOR TO THE START OF CONSTRUCTION.
2. THE CONTRACTOR SHALL INDEMNIFY THE OWNER, THE ENGINEER, AND THE MUNICIPALITY, THEIR AGENTS, ETC. FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, AND TESTING OF THE WORK ON THIS PROJECT.
3. SITE SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
4. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING SOIL CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. THE CONTRACTOR IS RESPONSIBLE FOR EXAMINING ALL SITE CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND SHALL COMPARE FIELD CONDITIONS WITH DRAWINGS.
6. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS REQUIRED FOR EXECUTION OF THE WORK. THE CONTRACTOR SHALL CONDUCT HIS WORK ACCORDING TO THE REQUIREMENTS OF THE PERMITS.
7. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITY INFORMATION SHOWN ON THE PLANS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL CALL DIGGER'S HOTLINE AT 1-800-242-8511 TO NOTIFY THE UTILITIES OF HIS INTENTIONS AND TO REQUIRED FIELD LOCATING OF EXISTING UTILITIES.
8. CONTRACTOR IS ADVISED THAT ALL MUD AND DEBRIS MUST NOT BE DEPOSITED ONTO THE ADJACENT ROADWAYS PER THE REQUIREMENT OF THE MUNICIPALITY OR OTHER APPROPRIATE GOVERNMENT AGENCIES.
9. ANY ADJACENT PROPERTIES OR ROAD RIGHT-OF-WAYS WHICH ARE DAMAGED DURING CONSTRUCTION MUST BE RESTORED BY THE CONTRACTOR. THE COST OF THE RESTORATION IS CONSIDERED INCIDENTAL AND SHOULD BE INCLUDED IN THE BID PRICES.
10. REMOVE SIDEWALKS TO THE NEAREST JOINT.
11. SAW CUTS SHALL BE FULL DEPTH PRIOR TO REMOVAL.
12. CERTAIN UNDERGROUND UTILITIES HAVE BEEN LOCATED ON THE PLANS. THESE LOCATIONS SHALL NOT BE TAKEN AS CONCLUSIVE. VERIFICATION TO THE SATISFACTION OF THE CONTRACTOR OF ALL UNDERGROUND UTILITIES, WHETHER SHOWN ON THE DRAWING OR NOT, SHALL BE ASSUMED AS A CONDITION OF THE CONTRACT.

CAPITAL AVE.

UNIVERSITY AVE.

EX. 10" WATER MAIN

EX. 8" WATER MAIN

EX. 6" WATER MAIN

EX. SAN MH
RIM=907.30
S 8" INV.=898.54
W 8" INV.=898.54
E 8" INV.=898.47

REMOVE EXISTING CURB

REMOVE EXISTING LANDSCAPING IN PLANTING BEDS

REMOVE EXISTING LANDSCAPING WALL

REMOVE EXISTING SIDEWALK (SEE PLANS BY OTHERS)

EXISTING ASPHALT PAVEMENT & CONCRETE SIDEWALK ON SITE TO BE REMOVED/PULVERIZED

EXISTING STORM DRAIN TO BE ABANDONED & PLUGGED IN PLACE

REMOVE EXISTING LIGHTING, TYP.

EX. 10' WIDE UTILITY EASEMENT

REMOVE EXISTING ENTRANCE

EXISTING BUS STOP TO STAY IN SERVICE THROUGHOUT CONSTRUCTION UNTIL PROPOSED BUS STOP ON UNIVERSITY AVENUE (BY OTHERS) IS COMPLETE

REMOVE EXISTING LANDSCAPING IN PLANTING BEDS

EX. 10' WIDE ELECTRIC EASEMENT

EXISTING STORM DRAIN TO BE ABANDONED & PLUGGED IN PLACE

EXISTING CHAIN LINK FENCE TO BE REMOVED

EX. 10' WIDE UTILITY EASEMENT

REMOVE EXISTING STONE RETAINING WALL

REMOVE EXISTING BOLLARDS, TYP.

REMOVE EXISTING SIGN & BELOW GRADE CONCRETE

LOT 1
48,100 SQ. FT.

TRASH ENCLOSURE EASEMENT

EXISTING BUILDING TO BE REMOVED INCLUDING FOUNDATION & FOOTINGS

EX. SAN MH
RIM=906.16
N 8" INV.=895.70
S 8" INV.=895.70
W 8" INV.=896.28
E 8" INV.=896.40

EX. 10' WIDE PERMANENT EASEMENT AND SIDEYARD MAINTENANCE AGREEMENT

EX. 5' WIDE PUBLIC UTILITY EASEMENT

0 20
FEET

MARK	REVISION	DATE	BY
	SITE UPDATES	06-16-202	BCA
	CITY COMMENTS	12-21-2018	BCA
	CITY COMMENTS	02-06-2019	BCA

Engineer: BCA | Checked By: MLC | Scale: 1" =
Technician:TECH | Date: 12-06-2017 | T-R-S: TTN-RRW-SS

Project No: 117.0784.30

Sheet C 2.1

CITY OF MADISON, DANE COUNTY, WI

5535 UNIVERSITY AVENUE

EXISTING SITE & DEMO PLAN

SNYDER & ASSOCIATES, INC.
5010 VOGES ROAD
MADISON, WISCONSIN 53718
608-838-0444 | www.snyder-associates.com

SNYDER & ASSOCIATES

Project No: 117.0784.30

Sheet C 2.1

V:\Projects\2017\117.0784.30\CAD\117.0784.30_PLAN.mpj BRIAN ARCAND, EXISTING SITE & DEMO PLAN, 2021/08/16, 9:26 AM, ARCH FULL BLEED D (36.00 X 24.00 INCHES)

SITE PLAN NOTES

1. CONTRACTOR SHALL REPLACE ALL SIDEWALK AND CURB AND GUTTER WHICH ABUTS THE PROPERTY WHICH IS DAMAGED BY THE CONSTRUCTION OF ANY SIDEWALK AND CURB AND GUTTER WHICH THE CITY ENGINEER DETERMINES NEEDS TO BE REPLACED BECAUSE IT IS NOT AT A DESIRABLE GRADE REGARDLESS OF WHETHER THE CONDITION EXISTED PRIOR TO BEGINNING CONSTRUCTION.
2. ALL WORK IN THE PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED BY A CITY LICENSED CONTRACTOR.
3. ALL DAMAGE TO THE PAVEMENT ON UNIVERSITY AVENUE AND CAPITAL DRIVE ADJACENT TO THIS DEVELOPMENT SHALL BE RESTORED IN ACCORDANCE WITH THE CITY OF MADISON'S PAVEMENT PATCHING CRITERIA.
4. THE CONTRACTOR SHALL CLOSE ALL ABANDONED DRIVEWAYS BY REPLACING THE CURB IN FRONT OF THE DRIVEWAYS AND RESTORING THE TERRACE WITH GRASS.
5. ALL CURB & GUTTER SHALL BE REJECT CURB UNLESS OTHERWISE NOTED ON THE PLAN SET.

LEGEND

ASPHALT

CONCRETE

CONTRACTOR TO REMOVE AND REPLACE CURB & GUTTER AND SIDEWALK AS NECESSARY TO INSTALL DRIVEWAY

CAPITAL AVE.

UNIVERSITY AVE.

EX. 5' SIDEWALK

STP-A

CLASS III DRIVEWAY APPROACH IN ACCORDANCE WITH CITY OF MADISON GENERAL ORDINANCE SECTION 10.08(4)

STOP SIGN

ADA RAMP, TYP.

STANDARD CURB & GUTTER

RELOCATE SIDEWALK

PROPOSED BUS PULLOUT TO BE COMPLETED IN FUTURE BY OTHERS

AREA TO BE DEDICATED AS PUBLIC RIGHT-OF-WAY

PROPOSED BUS STOP CONCRETE PAD TO BE COMPLETED IN FUTURE BY OTHERS

6' WIDE TEMPORARY CONSTRUCTION EASEMENT

THICKENED EDGE SIDEWALK

STP-3

BICYCLE PARKING

THICKENED EDGE SIDEWALK

LOT 1
48,100 SQ. FT.

VARIABLE HEIGHT RETAINING WALL (DESIGN BY OTHERS)

EX. 10' WIDE PERMANENT EASEMENT AND SIDEYARD MAINTENANCE AGREEMENT AND TEMPORARY CONSTRUCTION EASEMENT

0 20 FEET

MARK	REVISION	DATE	BY
	SITE UPDATES	06-16-202	BCA
	CITY COMMENTS	12-21-2016	BCA
	CITY COMMENTS	02-06-2018	BCA

Engineer: BCA | Checked By: MLC | Scale: 1" =
Technician:TECH | Date: 12-06-2017 | T-R-S: TTN-RRW-SS

Project No: 117.0784.30

Sheet C 2.2

CITY OF MADISON, DANE COUNTY, WI

5535 UNIVERSITY AVENUE

SITE PLAN

SNYDER & ASSOCIATES, INC.
5010 VOGES ROAD
MADISON, WISCONSIN 53718
608-838-0444 | www.snyder-associates.com

SNYDER & ASSOCIATES

Project No: 117.0784.30

Sheet C 2.2

V:\Projects\2017\117.0784.30\CAD\117.0784.30_PLAN.dwg [BRIAN ARCHIVE] SITE PLAN, 2017/06/15, 8:26 AM, ARCH FULL BLEED D (36.00 X 24.00 INCHES)

GRADING PLAN NOTES

1. THE CONTRACTOR SHALL MAINTAIN SITE DRAINAGE THROUGHOUT CONSTRUCTION. THIS MAY INCLUDE THE EXCAVATION OF TEMPORARY DITCHES OR PUMPING TO ALLEVIATE WATER PONDING.
2. SILT FENCE AND OTHER EROSION CONTROL FACILITIES MUST BE INSTALLED PRIOR TO CONSTRUCTION OR ANY OTHER LAND DISTURBING ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EROSION CONTROL FACILITIES ONCE THE SITE HAS BEEN STABILIZED WITH VEGETATION AND THE APPROVAL OF THE GOVERNING AGENCY.
3. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR ALL GRADING CUT AND FILL CALCULATIONS AND FOR ACTUAL LAND BALANCE, INCLUDING UTILITY TRENCH SPOIL. THE CONTRACTOR SHALL IMPORT OR EXPORT MATERIAL AS NECESSARY TO COMPLETE THE PROJECT.
4. GRADING SHALL CONSIST OF CLEARING AND GRUBBING EXISTING VEGETATION, STRIPPING TOPSOIL, REMOVAL OF EXISTING PAVEMENT OR FOUNDATIONS, IMPORTING OR EXPORTING MATERIAL TO ACHIEVE ON-SITE WORK BALANCE, GRADING THE BUILDING PADS AND PAVEMENT AREAS, SCARIFYING AND FINAL COMPACTION OF THE PAVEMENT SUBGRADE, AND PLACEMENT OF TOPSOIL.
5. NO FILL SHALL BE PLACED ON A WET OR SOFT SUBGRADE. THE SUBGRADE SHALL BE PROOF-ROLLED AND INSPECTED BY THE ENGINEER BEFORE ANY MATERIAL IS PLACED.

CAPITAL AVE.

UNIVERSITY AVE.

LOT 1
48,100 SQ. FT.

FFE=911.30

STP-3

STP-4

0 20
FEET

MARK	REVISION	DATE	BY
	SITE UPDATES	06-16-202	BCA
	CITY COMMENTS	12-21-2018	BCA
	CITY COMMENTS	02-06-2018	BCA

Engineer: BCA | Checked By: MLC | Scale: 1" =
Technician:TECH | Date: 12-06-2017 | T-R-S: TTN-RRW-SS

Project No:117.0784.30

Sheet C 3.0

CITY OF MADISON, DANE COUNTY, WI

5535 UNIVERSITY AVENUE

GRADING PLAN

SNYDER & ASSOCIATES, INC.
5010 VOGES ROAD
MADISON, WISCONSIN 53718
608-838-0444 | www.snyder-associates.com

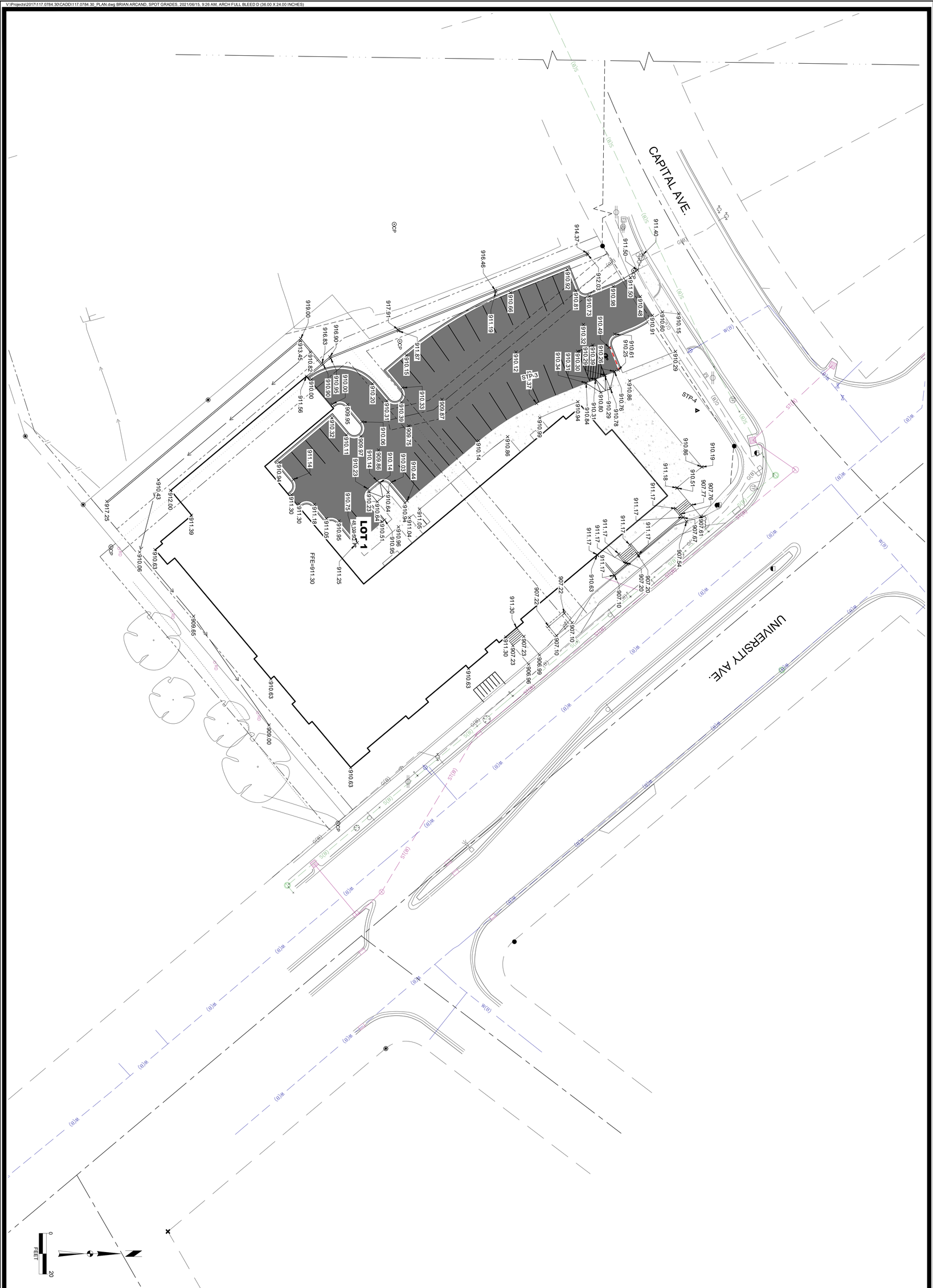
SNYDER & ASSOCIATES

Project No: 117.0784.30

Sheet C 3.0

V:\Projects\2017\117.0784.30\CAD\117.0784.30_PLAN.dwg [BRIAN.ARCAND, GRADING PLAN, 2021/09/15, 9:29 AM, ARCH FULL BLEED D (36.00 X 24.00 INCHES)

V:\Projects\2017\117.0784.30\CADD\117.0784.30_PLAN.dwg BRIAN ARCAND, SPOT GRADES, 2021/06/15, 9:26 AM, ARCH FULL BLEED D (36.00 X 24.00 INCHES)


CAPITAL AVE.
UNIVERSITY AVE.
LOT 1
FFE=911.30
STP-4
914.37
916.46
919.00
917.91
916.90
916.83
913.45
911.87
911.19
910.65
910.22
912.03
911.50
911.40
910.81
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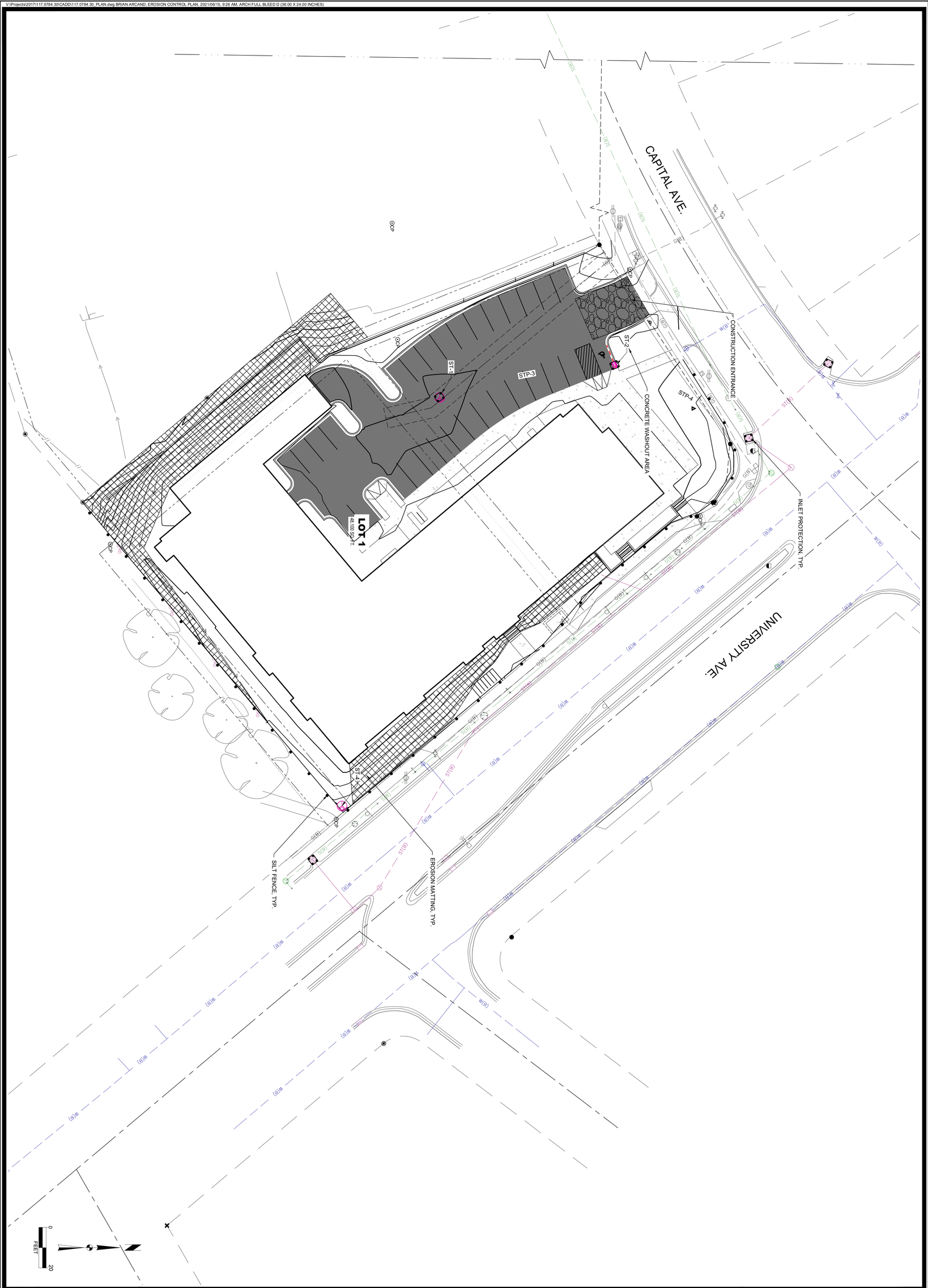
911.17

V:\Projects\2017\117.0784.30\CADD\117.0784.30_PLAN.dwg BRIAN ARCAND, EROSION CONTROL PLAN, 2021/06/15, 9:26 AM, ARCH FULL BLEED D (36.00 X 24.00 INCHES)



5535 UNIVERSITY AVENUE

EROSION CONTROL PLAN

CITY OF MADISON, DANE COUNTY, WI

SNYDER & ASSOCIATES, INC.

5010 VOGES ROAD
MADISON, WISCONSIN 53718
608-838-0444 | www.snyder-associates.com

MARK	REVISION	DATE	BY
	SITE UPDATES	06-16-202	BCA
	CITY COMMENTS	12-21-2016	BCA
	CITY COMMENTS	02-06-2018	BCA

Engineer: BCA | Checked By: MLC | Scale: 1" =
Technician: TECH | Date: 12-06-2017 | T-R-S: TTN-RRW-SS

Project No: 117.0784.30

Sheet C 3.2

Sheet C 3.2

UTILITY PLAN NOTES

1. UP-FLO FILTER STRUCTURE TO BE DESIGNED BY OTHERS. STRUCTURE TO CONTAIN FOUR (4) FILTER BAGS AND BE DESIGNED TO HANDLE A FLOW OF 6.14 CFS.
2. ADS STORMTECH SYSTEM TO BE DESIGNED BY OTHERS. SYSTEM TO BE DESIGNED TO HANDLE A FLOW OF 2.61 CFS.
3. CONNECTION FROM ADS STORMTECH SYSTEM TO OUTLET CONTROL STRUCTURE TO BE DESIGNED BY OTHERS. CONNECTION TO BE DESIGNED TO HANDLE A FLOW OF 2.61 CFS.
4. ADS STORMTECH SYSTEM TO MAINTAIN A MINIMUM OF TEN (10) FEET SEPARATION FROM BUILDING.

STRUCTURE TABLE					
STRUCTURE NAME	RIM EL	STRUCTURE TYPE	INVERTS IN	INVERTS OUT	FRAME/GRATE
ST-1	909.87	UP-FLO FILTER STRUCTURE	S = 906.21 E = 905.88	N = 905.46	R-2070
ST-2	910.76	2'x3' CI	S = 903.90	NE = 903.90	R-3067
ST-4	907.49	OUTLET CONTROL STRUCTURE		SE = 902.50	R-1550

STRUCTURE TABLE					
STRUCTURE NAME	RIM EL	STRUCTURE TYPE	INVERTS IN	INVERTS OUT	FRAME/GRATE
SA-1	910.86	ECCENTRIC MH	E = 899.23		R-1550

STORM PIPE TABLE								
PIPE NAME	PIPE TYPE	SIZE (IN.)	FROM	TO	LENGTH (FT)	START INV	END INV	SLOPE
STP-1	N12 HDPE	6		ST-1	51	907.40	906.21	2.33%
STP-2	N12 HDPE	10		ST-1	64	907.68	905.88	2.82%
STP-3	N12 HDPE	15	ST-1	ST-2	89	905.46	903.90	1.76%
STP-4	N12 HDPE	15	ST-2		75	903.90	902.59	1.76%
STP-5	N12 HDPE	10			6	904.63	904.50	2.00%
STP-6	N12 HDPE	10	ST-4		20	902.50	902.10	1.97%

SANITARY PIPE TABLE								
PIPE NAME	PIPE TYPE	SIZE (IN.)	FROM	TO	LENGTH (FT)	START INV	END INV	SLOPE
SAP-1	PVC	8		SA-1	86	900.98	899.23	2.04%

INSTALL 6" WATER LATERAL. MAINTAIN A MINIMUM COVER OF 6.5'. CONTRACTOR TO SAW CUT & PATCH CAPITAL AVE. AND SIDEWALK AS NECESSARY. VERIFY DEPTH OF WATER AT BUILDING WITH PLUMBER.

EX. ¾" WATER LATERAL TO BE CAPPED AND ABANDONED

EX. STM INLET
T/C=907.19
INV (NW)=902.71 (12")
INV (NE)=902.59 (15")
CONNECT TO EX. INLET AT INV.=902.59 (15")

EX. SAN MH
RIM=907.30
S 8" INV=898.54
W 8" INV=898.54
E 8" INV=898.47

INSTALL 4' SAN. MH
CONTRACTOR TO VERIFY INVERT & RIM ELEVATION
APPROX. RIM=910.86
APPROX INV.=899.13
CONTRACTOR TO SAW CUT & PATCH CAPITAL AVE. AND SIDEWALK AS NECESSARY. SLOPE OF LATERAL TO BE A MINIMUM OF 2.04%. VERIFY INVERT AT BUILDING WITH PLUMBER.

EX. SANITARY LATERAL TO BE CAPPED & ABANDONED

EX. STORM SEWER TO BE CAPPED & ABANDONED

EX. SANITARY LATERAL TO BE CAPPED & ABANDONED

EX. SANITARY LATERAL TO BE CAPPED & ABANDONED

EX. ¾" WATER LATERAL TO BE CAPPED AND ABANDONED

EX. SANITARY LATERAL TO BE CAPPED & ABANDONED

EX. STM INLET
RIM=905.58
INV=901.10 (24")

EX. SAN MH
RIM=906.16
N 8" INV=895.70
S 8" INV=895.70
W 8" INV=896.28
E 8" INV=896.40

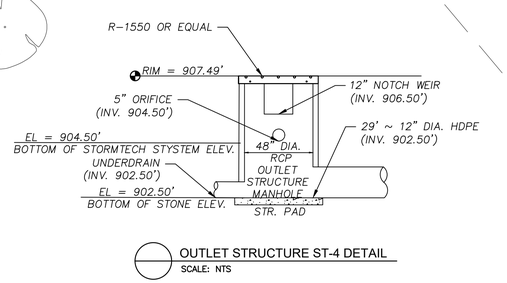
INSTALL TRENCH DRAIN
RIM=909.90
R-4990-AX, TY. C

LOT 1
48,100 SQ. FT.

CAPITAL AVE.

UNIVERSITY AVE.

SA-1, SAP-1, STP-1, STP-2, STP-3, STP-4, STP-5, STP-6, ST-1, ST-2, ST-4



OUTLET STRUCTURE ST-4 DETAIL
SCALE: NTS

0 20
FEET

MARK	REVISION	DATE	BY
	SITE UPDATES	06-16-202	BCA
	CITY COMMENTS	12-21-2016	BCA
	CITY COMMENTS	02-06-2018	BCA

Engineer: BCA | Checked By: MLC | Scale: 1" =
Technician:TECH | Date: 12-06-2017 | T-R-S: TTN-RRW-SS
Project No: 117.0784.30

Sheet C 4.0

CITY OF MADISON, DANE COUNTY, WI

5535 UNIVERSITY AVENUE

UTILITY PLAN

SNYDER & ASSOCIATES, INC.
5010 VOGES ROAD
MADISON, WISCONSIN 53718
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SNYDER & ASSOCIATES

Project No: 117.0784.30

Sheet C 4.0

V:\Projects\2017\117.0784.30\CAD\117.0784.30_PLAN.dwg BRIAN ARCAND, UTILITY PLAN, 2021/06/15, 11:19 AM, ARCH FULL BLEED D (36.00 X 24.00 INCHES)

CONSTRUCTION SEQUENCE

1. INSTALL AND MAINTAIN THE TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT'S AS DESCRIBED IN THE DANE COUNTY EROSION CONTROL AND STORMWATER MANAGEMENT MANUAL. ADDITIONALLY INSTALL CONSTRUCTION EQUIPMENT PARKING AREAS. STABILIZE BARE AREAS IMMEDIATELY WITH GRAVEL AND TEMPORARY VEGETATION AS CONSTRUCTION TAKES PLACE. THE TEMPORARY ACCESS POINT SHALL BE PLACED IN THE LOCATION SHOWN ON THE GRADING AND EROSION CONTROL PLAN. THE ENTRANCE/EXITS WILL BE INSPECTED DAILY. IF THE AGGREGATE WITHIN THE TEMPORARY ACCESS PADS BECOMES COVERED WITH SOIL OR IF SIGNIFICANT QUANTITIES OF SOIL ARE TRACKED ONTO THE EXISTING ROADWAY THEN ADDITIONAL AGGREGATE WILL BE INSTALLED TO ALLOW THE ENTRANCE/EXITS TO FUNCTION PROPERLY.

2. INSTALL EROSION AND SEDIMENT CONTROL BARRIERS (SILT FENCE) IMMEDIATELY DOWNSLOPE OF AREAS TO BE DISTURBED DURING CONSTRUCTION AS SHOWN ON THE APPROVED GRADING PLAN. THE BARRIERS MUST BE INSTALLED PARALLEL TO THE SITE CONTOURS TO THE EXTENT PRACTICABLE WITH THE ENDS EXTENDED UPSLOPE ONE TO TWO FEET TO PREVENT FLANKING OF THE RUNOFF. AT NO TIME FROM THE START OF ROUGH GRADING UNTIL SITE STABILIZATION SHALL AN UNBROKEN SLOPE EXIST BETWEEN DISTURBED AREAS AND THE RECEIVING WATERS. THE DANE COUNTY EROSION CONTROL AND STORMWATER MANAGEMENT MANUAL WILL BE REFERENCED FOR THE PROPER INSTALLATION AND MAINTENANCE OF SILT FENCE AND ALL OTHER EROSION CONTROL MEASURES ON THE SITE.

3. STRIP TOPSOIL FROM THE AREAS OF THE SITE THAT WILL BE GRADED WITHIN 48 HOURS. ANY AREAS THAT WILL NOT BE IMMEDIATELY GRADED MUST NOT BE STRIPPED OF TOPSOIL UNTIL THE PRECEDING AREAS ARE TOPSOILED, SEEDED AND MULCHED. PLACE SOIL STOCKPILES AT LEAST 25 FEET AWAY FROM ANY DOWNSLOPE STREET, DRIVEWAY, OR DITCH. ALL TOPSOIL PILES WILL HAVE SILT FENCE PLACED ON THEIR DOWNSLOPE SIDES. TOPSOIL PILES WILL BE SEEDED WITH ANNUAL RYE IF THEY ARE IN PLACE FOR MORE THAN 7 DAYS. ANY AREAS LEFT INACTIVE FOR MORE THAN 7 DAYS WILL BE STABILIZED IMMEDIATELY WITH SEED AND MULCH.

4. GRADING WILL BE PHASED TO THE EXTENT PRACTICABLE TO LIMIT THE AMOUNT OF THE EXPOSED SOIL AT ANY ONE TIME AND TO PROVIDE A BUFFER BETWEEN THE GRADED AREAS AND THE RECEIVING WATERS. THE INTENT OF THESE GRADING RESTRICTIONS IS TO PROVIDE AN UNDISTURBED BUFFER AREA ALLOWING ADDITIONAL EROSION AND SEDIMENTATION PROTECTION DURING CONSTRUCTION.

5. TOPSOIL, SEED AND MULCH ALL AREAS WHICH ARE AT FINAL GRADE AND WHICH WILL NOT BE DISTURBED DURING SUBSEQUENT PHASES OF CONSTRUCTION. ANY AREAS LEFT INACTIVE FOR MORE THAN 7 DAYS MUST BE STABILIZED IMMEDIATELY.

6. INSTALL ANY UTILITIES.

7. COMPLETE FINAL GRADING FOR PARKING LOT & ROADWAY AND STABILIZE WITH GRAVEL.

8. COMPLETE FINAL GRADE OF THE SITE.

9. UTILITY TRENCHES SHALL BE FILLED WITH SUITABLE BACKFILL MATERIAL AND COMPACTED AS NEEDED. TOPSOIL SHALL BE REPLACED, FERTILIZED, SEEDED AND PROTECTED AS CALLED FOR BELOW IN ITEMS 11 AND 12. UTILITY CONSTRUCTION SHALL BE COORDINATED WITH OTHER GRADING ACTIVITIES SO THAT RESTORATION CAN BE COMPLETED AS SOON AS POSSIBLE AFTER CONSTRUCTION.

10. WITHIN 7 DAYS OF THE COMPLETION OF FINAL GRADING, A MINIMUM OF 4 INCHES OF TOPSOIL SHALL BE REPLACED ON ALL DISTURBED SURFACES THAT ARE TO BE REVEGETATED. TOPSOIL SHALL BE UNIFORMLY PLACED, GRADED SMOOTH AND SCARIFIED FOR SEEDING.

11. FERTILIZE ALL AREAS TO BE SEEDED OR SODDED WITH 500LBS. PER ACRE OF 16-8-8 (MINIMUM). INCORPORATE THE FERTILIZER INTO THE SOIL BY SCARIFYING AS INDICATED ABOVE IN ITEM 11. SEED ALL DISTURBED AREAS WITH THE FOLLOWING SEEDING MIXTURE:
    - 30.50 LBS/ACRE OF KENTUCKY BLUEGRASS
    - 17.50 LBS/ACRE OF RED FESCUE
    - 17.50 LBS/ACRE OF HARD FESCUE
    - 22.00 LBS/ACRE OF PERENNIAL RYE GRASS

    THE OWNER RESERVES THE RIGHT TO REVISE THE SEEDING MIXTURE SUBJECT TO APPROVAL BY THE LOCAL MUNICIPALITY.

    SOD MAY BE SUBSTITUTED FOR SEEDING ON ALL AREAS TO BE SEEDED AND IS RECOMMENDED FOR ALL AREAS WITH SLOPES OF 5:1 OR STEEPER.
    MULCH ALL SEEDED AREAS WITH 1.5 TONS PER ACRE OF CLEAN STRAW. STRAW SHALL BE ANCHORED IN PLACE WITH SUITABLE EQUIPMENT OR STAKING WITH TWINE.

    FOR AREAS ON WHICH GRADING IS COMPLETED AFTER SEPTEMBER 30.
    TEMPORARY SEED SHALL INCLUDE A SOIL STABILIZING POLYMER AND COVER CROP OF WINTER RYE (AT A RATE OF 75#/ACRE) AND MUST BE APPLIED AS SOON AS THESE AREAS REACH THEIR FINAL GRADE. ADDITIONAL EROSION CONTROL BARRIERS MAY BE NEEDED DOWNSLOPE OF THESE AREAS UNTIL FINAL SEEDING OR SODDING IS COMPLETED IN SPRING (BY JUNE 1). ANY AREAS WITH SLOPES GREATER THAN 6:1 MUST BE SEEDED AND MULCHED BUT NOT TOPSOILED. AREAS WITH SLOPED LESS THAN 6:1 MUST BE TOPSOILED, SEEDED AND MULCHED. ALL AREAS MUST BE TOPSOILED, SEEDED AND MULCHED AS DESCRIBED ABOVE IN THE FOLLOWING SPRING.

12. WHENEVER POSSIBLE, PRESERVE EXISTING TREES, SHRUBS, AND OTHER VEGETATION. TO PREVENT ROOT DAMAGE, DO NOT GRADE, PLACE SOIL PILES, OR PARK VEHICLES NEAR TREES MARKED FOR PRESERVATION.

13. SILT FENCE MAINTENANCE: EROSION CONTROL BARRIERS (SILT FENCE) MUST BE INSPECTED WITHIN 24 HOURS AFTER EACH RAINFALL OF 0.5-INCHES OR MORE, AND DAILY DURING PERIODS OF PROLONGED RAINFALL. REPAIRS OR REPLACEMENT SHALL BE MADE IMMEDIATELY. SEDIMENT DEPOSITS ON THE UPSLOPE SIDE ON THE SILT FENCES SHALL BE REMOVED WHEN THE DEPOSITS REACH HALF THE HEIGHT OF THE SILT FENCE.

14. GRAVEL TRACKING PAD MAINTENANCE: ADDITIONAL STONE IS REQUIRED IF EXISTING STONE BECOMES BURIED OR IF SEDIMENT IS NOT BEING REMOVED EFFECTIVELY FROM TIRES. SEDIMENT THAT IS TRACKED ONTO THE ROADWAY MUST BE REMOVED IMMEDIATELY. TRACKING PADS MAY REQUIRE PERIODIC CLEANING TO MAINTAIN THE EFFECTIVENESS OF THE PRACTICE, WHICH MAY INCLUDE THE REMOVAL AND RE-INSTALLATION OF THE STONE.

EROSION CONTROL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING COPIES OF ALL PERMITS, INCLUDING WISDNR WPDES DISCHARGE PERMIT (IF APPLICABLE), COUNTY AND LOCAL EROSION CONTROL PERMIT. CONTRACTOR IS RESPONSIBLE FOR ABIDING BY ALL PERMIT REQUIREMENTS AND RESTRICTIONS.

2. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO LAND DISTURBING ACTIVITIES.

3. ALL INSTALLATION AND MAINTENANCE OF EROSION CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE APPLICABLE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WisDNR) TECHNICAL STANDARD, FOUND AT: http://dnr.wi.gov/topic/stormwater/standards/const_standards.html OR THE WISCONSIN CONSTRUCTION SITE BEST MANAGEMENT PRACTICE HANDBOOK IF A TECHNICAL STANDARD IS NOT AVAILABLE.

4. ALL EROSION CONTROL FACILITIES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT AND WARRANTY PERIOD IN CONFORMANCE WITH ALL APPLICABLE PERMITS ISSUED FOR THE PROJECT.

5. ALL EROSION AND SEDIMENTATION CONTROL PRACTICES SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24 HOUR PERIOD. REPAIRS SHALL BE MADE IMMEDIATELY TO EROSION CONTROL PRACTICES AS NECESSARY.

6. TEMPORARY STOCKPILES SHALL BE STABILIZED IF NOT REMOVED IN 10 DAYS. PERIMETER CONTROL ON THE DOWNHILL SIDE SHALL BE IN PLACE AT ALL TIMES (SILT FENCE OR APPROVED EQUAL).

7. TEMPORARY SEED MIXTURE SHALL CONFORM TO 630.2.1.5.1.4 OF THE WisDOT STANDARD SPECIFICATIONS USE WINTER WHEAT OR RYE FOR FALL PLANTINGS STARTED AFTER SEPTEMBER 1.

8. DISTURBED AREAS THAT CANNOT BE STABILIZED WITH A DENSE GROWTH OF VEGETATION BY SEEDING AND MULCHING DUE TO TEMPERATURE OR TIMING OF CONSTRUCTION, SHALL BE STABILIZED BY APPLYING ANIONIC POLYACRYLAMIDE (PAM) IN ACCORDANCE WITH WisDNR TECHNICAL STANDARD 1050.

9. SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT BASINS TO MAINTAIN A THREE FOOT DEPTH OF TREATMENT, MEASURED BELOW THE NORMAL WATER ELEVATION. SEDIMENT WILL BE REMOVED FROM THE DIVERSION DITCHES WHEN IT REACHES HALF THE HEIGHT OF THE DITCH. SEDIMENT WILL BE REMOVED FROM BEHIND THE SILT FENCE AND DITCH CHECKS WHEN IT REACHES HALF THE HEIGHT OF THE FENCE/BALE THE SILT FENCE AND DITCH CHECKS SHALL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER.

10. ALL WATER FROM CONSTRUCTION DEWATERING SHALL BE TREATED IN ACCORDANCE WITH WisDNR TECHNICAL STANDARD 1061 PRIOR TO DISCHARGE TO WATERS OF THE STATE, WETLANDS, OR OFFSITE.

11. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION. ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED. DEPENDING ON HOW THE CONTRACTOR GRADES THE SITE, IT MAY BE NECESSARY TO INSTALL TEMPORARY EROSION CONTROL AND/OR SEDIMENT TRAPS IN VARIOUS LOCATIONS THROUGHOUT THE PROJECT. TEMPORARY SEDIMENT TRAPS SHALL BE DESIGNED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH WisDNR TECHNICAL STANDARD 1063.

12. TRACKED MATERIAL TO ADJACENT STREETS SHALL BE COLLECTED AT THE END OF EACH WORKING DAY OR AS REQUIRED BY THE LOCAL MUNICIPALITY.

13. DUST CONTROL SHALL BE PROVIDED AS NECESSARY IN ACCORDANCE WITH WisDNR TECHNICAL STANDARD 106B.

14. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL EROSION CONTROL FACILITIES AND MEASURES NECESSARY TO CONTROL EROSION AND SEDIMENTATION AT THE PROJECT SITE. THESE FACILITIES AND MEASURES MAY OR MAY NOT BE SHOWN ON THE DRAWINGS AND THEIR ABSENCE ON THE DRAWINGS DOES NOT ALLEVIATE THE CONTRACTOR FROM PROVIDING THEM. ANY MEASURES AND FACILITIES SHOWN ON THE DRAWINGS ARE THE MINIMUM ACTIONS REQUIRED.

15. ERODED MATERIAL THAT HAS LEFT THE CONSTRUCTION SITE SHALL BE COLLECTED AND RETURNED TO THE SITE BY THE CONTRACTOR.

16. AFTER FINAL VEGETATION IS ESTABLISHED, REMOVE ALL EROSION CONTROL FACILITIES. RESTORE AREAS DISTURBED BY THE REMOVALS.

17. KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THE DURATION OF THE PROJECT.

18. COMPLETE AND STABILIZE SEDIMENT BASINS/TRAPS PRIOR TO MASS LAND DISTURBANCE TO CONTROL RUNOFF DURING CONSTRUCTION. REMOVE SEDIMENT AS NEEDED TO MAINTAIN 3 FEET OF DEPTH TO THE OUTLET, AND PROPERLY DISPOSE OF SEDIMENT REMOVED DURING MAINTENANCE. CONSTRUCT AND MAINTAIN THE SEDIMENT BASIN PER WisDNR TECHNICAL STANDARDS.

19. PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO THE RECEIVING CHANNEL.

20. FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES 4:1, USE CLASS I URBAN, TYPE A EROSION CONTROL MATTING. FOR SLOPES GREATER THAN 4:1 BUT LESS THAN 2.5:1, USE CLASS I URBAN TYPE B. FOR SLOPES GREATER THAN 2.5:1 USE CLASS I TYPE B. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WisDOT'S FACILITIES DEVELOPMENT MANUAL AND INSTALL AND MAINTAIN PER WisDNR TECHNICAL STANDARDS.

21. FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED AREAS, PROVIDE CLASS I TYPE B EROSION CONTROL MATTING. ELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WisDOT'S FACILITIES DEVELOPMENT MANUAL; INSTALL AND MAINTAIN PER WisDNR TECHNICAL STANDARDS.

22. ALL DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL BE COVERED WITH A BIO-DEGRADABLE EROSION MAT INCLUDING BIO-DEGRADABLE STAPLES.

23. ALL BIO-DEGRADABLE EROSION MAT SHALL BE CURLEX NET FREE OR APPROVED EQUAL.

24. WATERING OF NEW SEEDING SHALL BE OF A DURATION AND FREQUENCY ADEQUATE TO ENSURE PROPER ESTABLISHMENT OF NEW SEEDING.

25. MAKE PROVISIONS FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.

MARK	REVISION	DATE	BY
	SITE UPDATES	06-16-202	BCA
	CITY COMMENTS	12-21-2016	BCA
	CITY COMMENTS	02-06-2017	BCA

Engineer: BCA | Checked By: MLC | Scale: 1" =
Technician:TECH | Date: 12-06-2017 | T-R-S: TTN-RRW-SS

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5535 UNIVERSITY AVENUE

EROSION CONTROL NOTES

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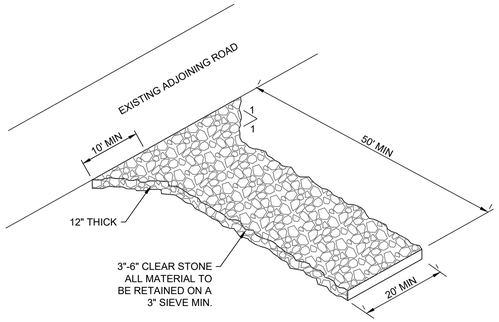
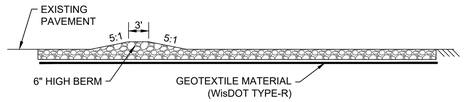
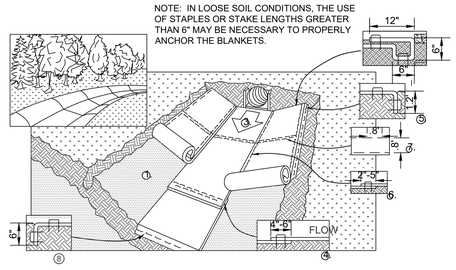




NOTE: MAINTAIN THE ROCK ENTRANCE TO PREVENT TRACKING ONTO PAVEMENT

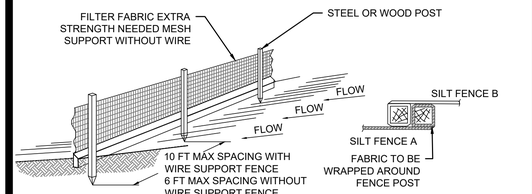
1 / C 6.0 — STONE ENTRANCE DETAIL
NO SCALE

NOTE: IN LOOSE SOIL CONDITIONS, THE USE OF STAPLES OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY ANCHOR THE BLANKETS.

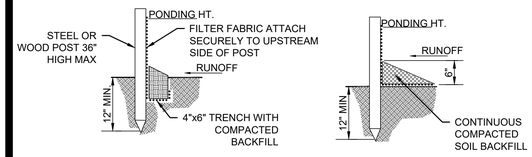


1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF FERTILIZER AND SEED.
2. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET
3. ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO THE SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS RECOMMENDED BY THE MANUFACTURER
4. PLACE CONSECUTIVE BLANKETS END OVER END (SHINGLE STYLE) WITH A 4-6" OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER TO SECURE BLANKETS
5. FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPE MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING
6. A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL
7. THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING
8. EROSION MAT SHALL EXTEND FOR WHICHEVER IS GREATER: UPSLOPE ONE FOOT MIN. VERTICALLY FROM DITCH BOTTOM OR 6" HIGHER THAN DESIGN FLOW DEPTH
9. EROSION MAT SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH WDNR TECHNICAL STANDARDS 1053

2 / C 6.0 — EROSION CONTROL MAT - CHANNEL INSTALLATION
NO SCALE



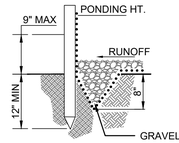
ROLL JOINTS



STANDARD DETAIL
TRENCH WITH NATIVE
BACKFILL

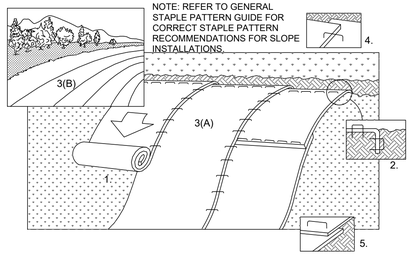
ALTERNATE DETAIL
SOIL BACKFILL

NOTES:
1. INSPECT FENCE WEEKLY AND AFTER EACH RAIN EVENT OF 0.5 INCHES AND REPAIR IF REQUIRED. REMOVE SEDIMENT WHEN NECESSARY OR WHEN SEDIMENT REACHES 1/2 OF FENCE HEIGHT
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY
4. SILT FENCE SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1056



ALTERNATE DETAIL
TRENCH WITH GRAVEL

4 / C 6.0 — SILT FENCE DETAIL
NO SCALE



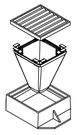
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF FERTILIZER AND SEED
   NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING
3. ROLL THE BLANKETS
   (A.) DOWN THE SLOPE
   (B.) HORIZONTALLY ACROSS THE SLOPE
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP
5. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART
6. ALL BLANKETS MUST BE SECURELY FASTENED TO THE SLOPE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS RECOMMENDED BY THE MANUFACTURER
7. EROSION MAT SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD # 1052

3 / C 6.0 — EROSION CONTROL MAT - SLOPE INSTALLATION
NO SCALE

*FLOW RATINGS SHOWN ARE 50% MAXIMIUM

NOTES:

1. ALL FRAMING IS CONSTRUCTED OF CORROSION RESISTANT STEEL FRAMING FOR PROLONGED PRODUCT LIFE.
2. TOTAL BYPASS CAPACITY WILL VARY WITH EACH SIZED DRAINAGE STRUCTURE. FLEXSTORM DESIGNS FRAMING BYPASS TO MEET OR EXCEED THE DESIGN FLOW OF THE PARTICULAR DRAINAGE STRUCTURE. CONCRETE STRUCTURES MAY REQUIRE ADDITIONAL REVIEW.
3. UPON ORDERING THE ADS P/N CONFIRMATION OF THE DOT CALLOUT, FLEXSTORM ITEM CODE, CASTING MAKE AND MODEL, OR DETAILED DIMENSIONAL FORMS MUST BE PROVIDED.
4. FOR WRITTEN SPECIFICATIONS AND MAINTENANCE GUIDELINES VISIT WWW.INLETFILTERS.COM

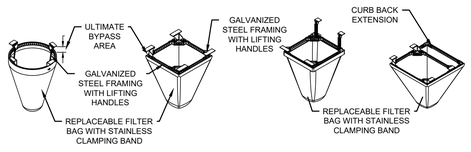


INSTALLATION:

1. REMOVE GRATE
2. DROP FLEXSTORM INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE
3. REPLACE GRATE

Product selection for FLEXSTORM CATCH-IT Filters (Temporary Inlet Protection)

Neenah Casting	Inlet Type	Grate Size	Opening Size	Bag Cap (ft^3)	Flow Ratings (CFS)		ADS P/N
					FX	Bypass	
1040/1642/1733	Round	26	24	1.9	1.5	5.4	62MRDFX
3067 w/FLAP	Curb Box	35.25 x 17.75	33.0 x 15.0	3.8	1.9	5.6	62LCBEXTFX
3067 EXTENDED BACK	Curb Box	35.25 x 17.75	33.0 x 15.0	4.4	2.3	5.8	62LCBEXTFX
3246A	Curb Box	35.75 x 23.875	33.5 x 21.0	4.2	2.2	3.3	62LCBFX
3030	Square/Rect (SQ)	23 x 16	20.5 x 13.5	1.6	1.4	2.2	62MCBFX
3067-C	Square/Rect (SQ)	35.25 x 17.75	33 x 15	3.2	2.0	5.2	62LSQFX



FLEXSTORM CATCH-IT INLET FILTERS FOR ROUND OPENINGS

FLEXSTORM CATCH-IT INLET FILTERS FOR SQUARE/RECTANGULAR OPENINGS

FLEXSTORM CATCH-IT INLET FILTERS FOR ROLLED CURB

FLEXSTORM CATCH-IT INLET FILTERS FOR CURB BOX OPENINGS (MAGNETIC CURB FLAP)

5 / C 6.0 — INLET PROTECTION DETAIL
SCALE: NTS

MARK	REVISION	DATE	BY
	SITE UPDATES	06-16-202	BCA
	CITY COMMENTS	12-21-2016	BCA
	CITY COMMENTS	02-06-2018	BCA

Engineer: BCA | Checked By: MLC | Scale: 1" =
Technician:TECH | Date: 12-06-2017 | T-R-S: TTN-RRW-SS
Project No:117.0784.30

Sheet C 6.0

CITY OF MADISON, DANE COUNTY, WI

5535 UNIVERSITY AVENUE

EROSION CONTROL DETAILS

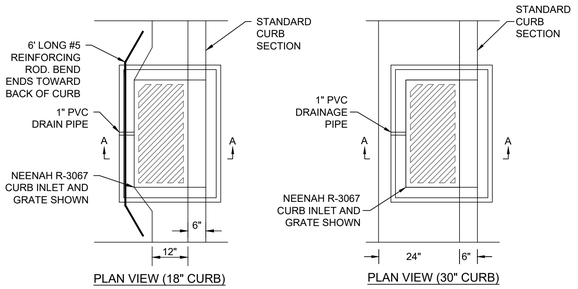
SNYDER & ASSOCIATES, INC.
5010 VOGES ROAD
MADISON, WISCONSIN 53718
608-838-0444 | www.snyder-associates.com

SNYDER & ASSOCIATES

Project No: 117.0784.30

Sheet C 6.0

V:\Projects\2017\117.0784.30\CAD\117.0784.30 DTLS-ERCS.dwg [BRIAN ARCAND, EROSION CONTROL DETAILS, 2/22/18 9:29 AM, ARCH FULL BLEED D (36.00 X 24.00 INCHES)

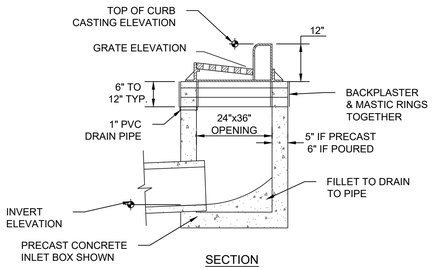


NOTES:
- TOP OF CURB AND PIPE INVERT ELEVATIONS ARE SHOWN ON THE PLANS.

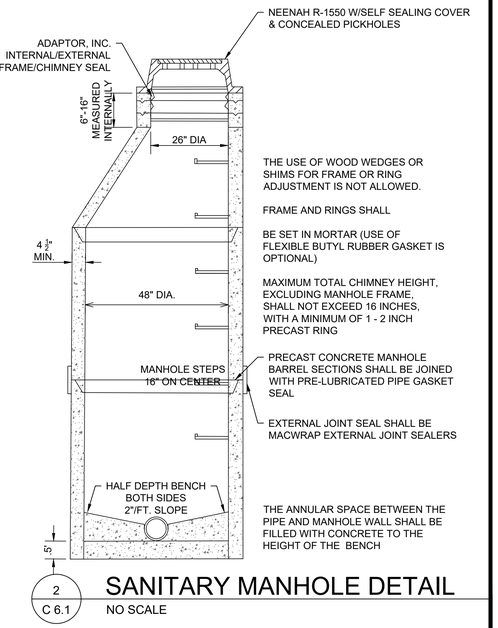
- THE GRATE ELEVATION SHALL BE DEPRESSED 0.1' FROM STRAIGHT GUTTER GRADE STARTING 5' FROM THE INLET AND EXTENDING IN BOTH DIRECTIONS.

- THE CASTING SHALL BE NEENAH FOUNDRY R-3067 CURB INLET WITH REVERSIBLE GRATES WHERE RUNOFF REACHES THE INLET FROM BOTH DIRECTIONS. WHERE RUNOFF REACHES THE INLET FROM ONE DIRECTION A NEENAH R-3067-L CASTING SHALL BE USED. DIRECTIONAL SLOTS TO BE LOCATED TO DIRECT THE FLOW INTO THE STREET INLET.

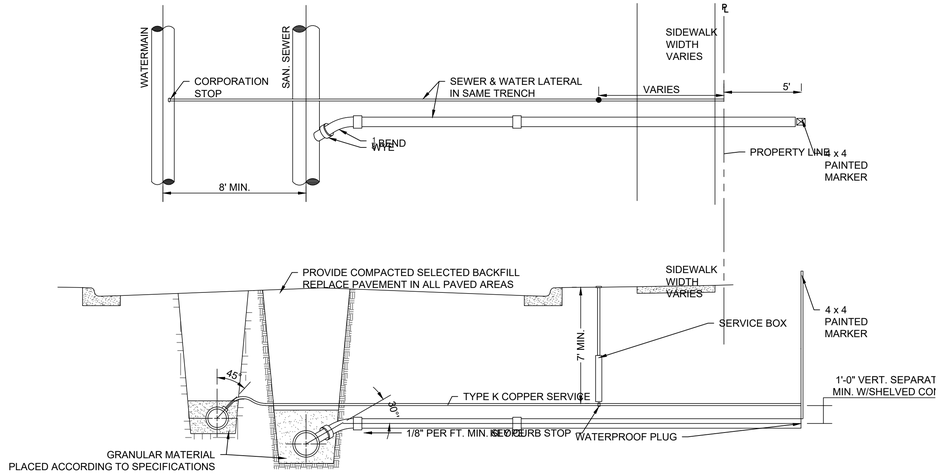
- FRAME ADJUSTING RINGS SHALL BE AT LEAST TWO CONCRETE RINGS OF VARIABLE THICKNESS. MASTIC BETWEEN RINGS AND BACKPLASTER A SMOOTH LAYER OF GROUT OVER THE ENTIRE INNER AND OUTER SURFACES OF THE RINGS.



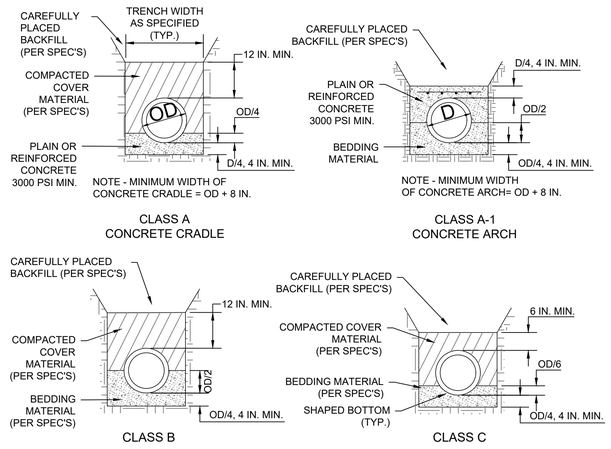
1 / C 6.1 — RECTANGULAR CURB INLET DETAIL
NO SCALE



2 / C 6.1 — SANITARY MANHOLE DETAIL
NO SCALE

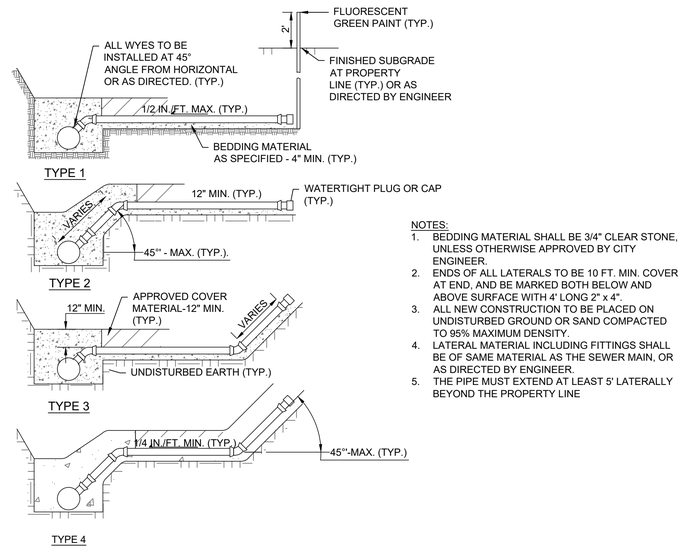


4 / C 6.1 — SEWER AND WATER CONNECTION DETAIL
NO SCALE



NOTES:
1. ALL PVC AND ABS SEWER MAINS AND LATERALS SHALL BE CLASS "B" MIN., OR AS CALLED FOR IN THE SPECIAL PROVISIONS.
2. ALL BEDDING AND COVER MATERIALS SHALL BE AS SPECIFIED AND SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
3. UNDERCUT SHALL BE IN ACCORDANCE WITH SECTION 3 OF THE STORM AND SANITARY SEWER STANDARD SPECIFICATIONS.

3 / C 6.1 — SANITARY SEWER BEDDING DETAIL
NO SCALE



NOTES:
1. BEDDING MATERIAL SHALL BE 3/4" CLEAR STONE, UNLESS OTHERWISE APPROVED BY CITY ENGINEER.
2. ENDS OF ALL LATERALS TO BE 10 FT. MIN. COVER AT END, AND BE MARKED BOTH BELOW AND ABOVE SURFACE WITH 4' LONG 2" x 4".
3. ALL NEW CONSTRUCTION TO BE PLACED ON UNDISTURBED GROUND OR SAND COMPACTED TO 95% MAXIMUM DENSITY.
4. LATERAL MATERIAL INCLUDING FITTINGS SHALL BE OF SAME MATERIAL AS THE SEWER MAIN, OR AS DIRECTED BY ENGINEER.
5. THE PIPE MUST EXTEND AT LEAST 5' LATERALLY BEYOND THE PROPERTY LINE

5 / C 6.1 — SANITARY SEWER DETAIL
NO SCALE

MARK	REVISION	DATE	BY
	SITE UPDATES	06-16-202	BCA
	CITY COMMENTS	12-21-2016	BCA
	CITY COMMENTS	02-06-2018	BCA

Engineer: BCA | Checked By: MLC | Scale: 1" =
Technician:TECH | Date: 12-06-2017 | T-R-S: TTN-RRW-SS
Project No:117.0784.30

Sheet C 6.1

CITY OF MADISON, DANE COUNTY, WI

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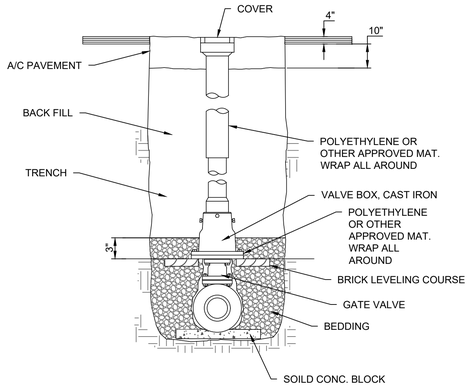
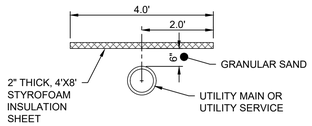
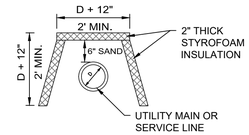


1 / C 6.2 VALVE BOX DETAIL
NO SCALE



STANDARD INSTALLATION

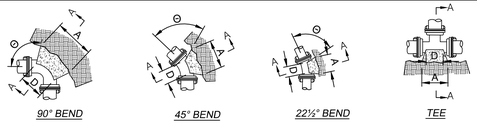


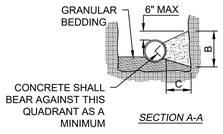
SIDE PROTECTION INSULATION

GENERAL NOTES:

1. THE SIDE PROTECTION INSTALLATION SHALL BE USED WHERE FROST WILL PENETRATE BELOW THE PIPE INVERT.

3 / C 6.2 WATER PIPE INSULATION DETAIL
NO SCALE





NOTES:

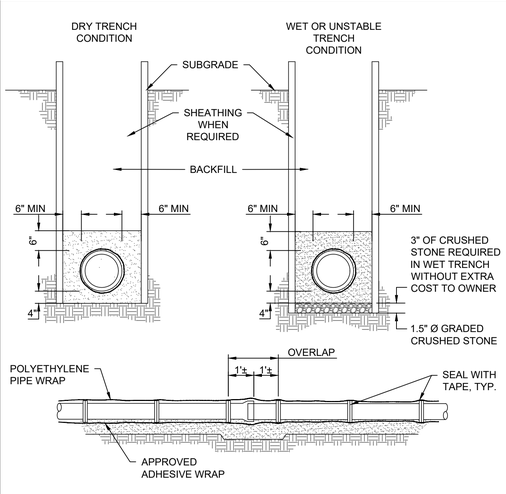
1. WOOD BLOCKING MAY NOT BE USED. ONLY SOLID CONCRETE BLOCKS ARE ALLOWED.
2. DIMENSION "D" SHALL BE AS LARGE AS POSSIBLE, BUT THE CONCRETE SHALL NOT INTERFERE WITH THE MECHANICAL JOINTS.
3. DIMENSION "C" SHALL BE AT LEAST 6 INCHES, AND LARGE ENOUGH TO MAKE THE "B" ANGLE EQUAL TO OR GREATER THAN 45 DEGREES WITH THE DIMENSION "A" AS SHOWN ON THE TABLE, OR GREATER, AND WITH DIMENSION "D" AS LARGE AS POSSIBLE.
4. CONCRETE SHALL BE CLASS "CC".
5. ALL BUTTRESSED JOINTS SHALL INCLUDE MEGALUGS AND CONCRETE BUTTRESSING.

BUTTRESS DIMENSIONS								
PIPE SIZE	TEES		22.5° BEND		45° BEND		90° BEND	
	A	B	A	B	A	B	A	B
6	1'-3"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-4"	1'-2"
8	1'-6"	1'-4"	1'-0"	1'-0"	1'-4"	1'-2"	1'-10"	1'-6"
10/12	2'-3"	2'-0"	1'-4"	1'-4"	1'-10"	1'-10"	2'-8"	2'-3"
14/16	3'-2"	2'-6"	1'-10"	1'-8"	2'-6"	2'-4"	3'-10"	2'-10"
18/20	4'-0"	3'-0"	2'-4"	2'-0"	3'-3"	2'-10"	5'-0"	3'-4"
22/24	5'-3"	3'-4"	2'-10"	2'-4"	4'-0"	3'-3"	6'-4"	3'-10"
30	6'-3"	4'-3"	3'-6"	3'-0"	5'-4"	3'-10"	8'-0"	4'-8"

* = FOR TEE THIS WILL BE THE BRANCH PIPE

DIMENSIONS IN THE TABLE ARE BASED ON A WATER PRESSURE OF 150 PSI AND SOIL RESISTANCE OF 2000 LBS./SQ.FT.

2 / C 6.2 BUTTRESS DETAIL
NO SCALE



INSTALLATION:

PLACE 4" OF BEDDING MATERIAL BENEATH PIPE. PLACE BEDDING MATERIAL AROUND THE PIPE TO THE SPRING LINE. WORK THE MATERIAL IN AND AROUND THE PIPE BY HAND TO PROVIDE UNIFORM SUPPORT. PLACE COVER MATERIAL CAREFULLY TO A LEVEL 6" ABOVE THE PIPE.

4 / C 6.2 WATER PIPE BEDDING DETAIL
NO SCALE

MARK	REVISION	DATE	BY
	SITE UPDATES	06-16-202	BCA
	CITY COMMENTS	12-21-2016	BCA
	CITY COMMENTS	02-06-2018	BCA

Engineer: BCA | Checked By: MLC | Scale: 1" =
Technician:TECH | Date: 12-06-2017 | F-R-S: TTN-RRW-SS
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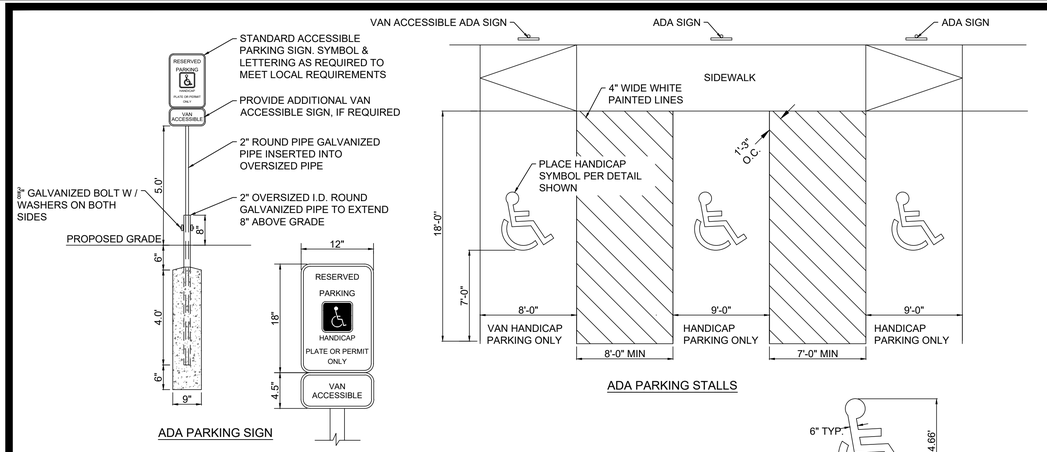


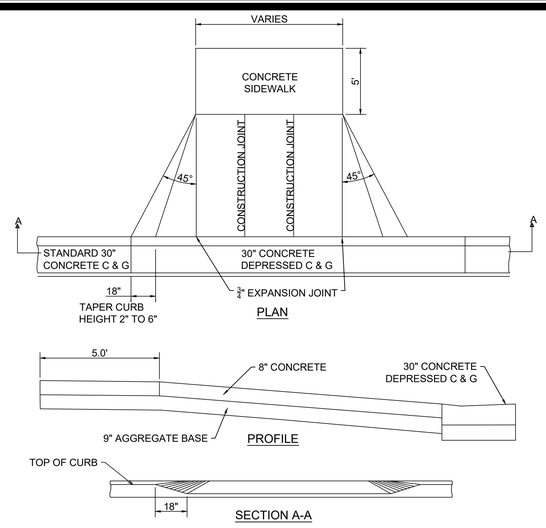
NOTES:

1. SIGNS SHALL BE LOCATED SO THAT THEY CANNOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE
2. SIGNS TO BE PROVIDED AND INSTALLED BY SITE CONTRACTOR
3. ADA ACCESSIBLE SIGN MUST COMPLY WITH WI ADMINISTRATIVE RULE (TRANSPORTATION 200.07)

LOCATE 7' FROM THE REAR OF THE PARKING STALL

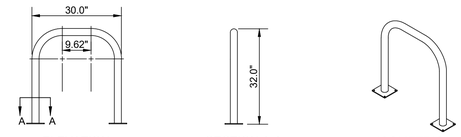
1 ADA PARKING DETAIL

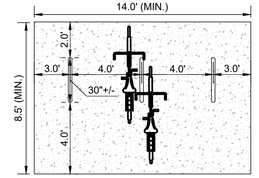
SHEETNUMBER NO SCALE



1 DRIVEWAY DETAIL

SHEETNUMBER NO SCALE





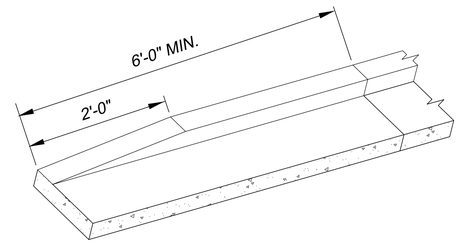
(2) 6" X 6" X.25" SQUARE FLANGE MOUNTING PLATES WITH (4) 5/8" Ø MOUNTING HOLES

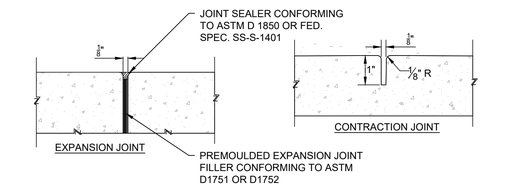
NOTE:

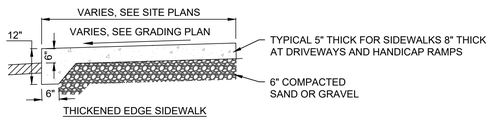
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS

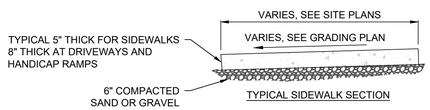
1 BIKE RACK DETAIL

SHEETNUMBER NO SCALE



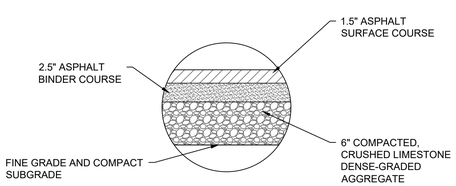






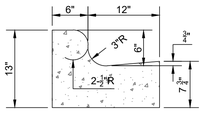
1 SIDEWALK DETAIL

SHEETNUMBER NO SCALE



LIGHT DUTY ASPHALT PAVING DETAIL

DETAIL# SHEETNUMBER NO SCALE

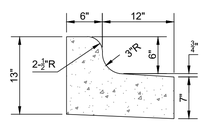


NOTES:

1. LATERAL CONTRACTION JOINTS SHALL BE PLACED AT INTERVALS OF NOT MORE THAN 15' NOR LESS THAN 6' IN LENGTH. THE JOINTS SHALL BE A MINIMUM OF 3" IN DEPTH EXPANSION JOINTS SHALL BE PLACED TRANSVERSELY AT RADIUS POINTS ON CURVES OF RADIUS 200' OR LESS, AND AT ANGLE POINTS, OR AS DIRECTED BY THE ENGINEER.
2. THE EXPANSION JOINT SHALL BE A ONE PIECE ASPHALTIC MATERIAL HAVING THE SAME DIMENSIONS AS CURB & GUTTER AT THAT STATION AND BE 1/2" THICK. IN ALL CASES, CONCRETE CURB & GUTTER SHALL BE PLACED ON THOROUGHLY COMPACTED CRUSHED STONE.

DETAIL# STANDARD CONCRETE CURB & GUTTER

SHEETNUMBER NO SCALE



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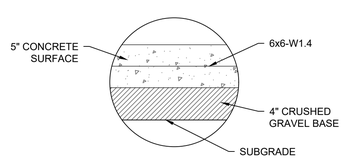
DETAIL# REJECT CONCRETE CURB & GUTTER

SHEETNUMBER NO SCALE



DETAIL# DUMPSTER PAD LOADING CONCRETE DETAIL

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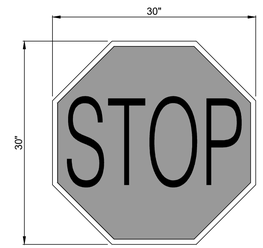

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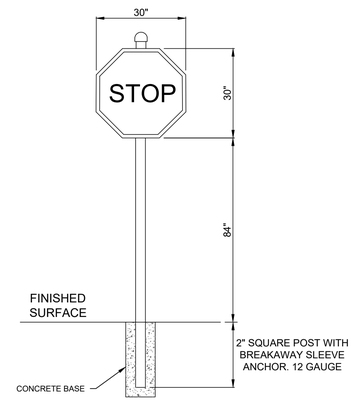

R1-1

1 STOP SIGN DETAIL

SHEETNUMBER NO SCALE

PAVEMENT AND CURB NOTES

1. THE IMPROVEMENTS SHALL BE CONSTRUCTED ACCORDING TO THE WISCONSIN D.O. T. STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LA TEST EDITION, AND THE LOCAL ORDINANCES AND SPECIFICATIONS.
2. PAVING SHALL CONSIST OF FINE GRADING PAVEMENT AREAS, INSTALLATION OF CRUSHED STONE BASE, CONCRETE AND/OR BITUMINOUS PAVEMENT, PAVEMENT MARKING, AND CLEANUP. ALL MATERIALS SHALL BE PROVIDED BY THE CONTRACTOR.
3. AGGREGATES USED IN THE CRUSHED AGGREGATE BASE SHALL BE (*-INCH) DENSE GRADED BASE IN ACCORDANCE WITH SUBSECTION 305.2.2 OF THE STANDARD SPECIFICATIONS.
4. HOT MIX ASPHALT PAVEMENT (HMA) SHALL BE SUPERPAVE (E-**) IN ACCORDANCE WITH SECTION 460 OF THE STANDARD SPECIFICATIONS.
5. ASPHALTIC MATERIALS SHALL BE PERFORMANCE GRADED (PG) BINDERS IN ACCORDANCE WITH SECTION 455 OF THE STANDARD SPECIFICATIONS. UPPER LAYERS SHALL BE PG(***), AND LOWER LAYERS SHALL BE PG(***).
6. AGGREGATES USED IN THE HMA SHALL BE IN ACCORDANCE WITH SUBSECTION 460.2.2.3 OF THE STANDARD SPECIFICATIONS. THE NOMINAL AGGREGATE SIZE FOR THE UPPER LAYER PAVEMENT SHALL BE (****), AND THE LOWER LAYER PAVEMENT SHALL BE (****).
7. TACK COAT SHALL BE IN ACCORDANCE WITH SUBSECTION 455.2.5 OF THE STANDARD SPECIFICATIONS. THE RATE OF APPLICATION SHALL BE 0.025 GAL/SY.
8. CONCRETE FOR CURB, DRIVEWAY, WALKS AND NON-FLOOR SLABS SHALL BE GRADE A (OR GRADE A2 IF PLACING BY SLIP-FORMED PROCESS) AIR ENTRAINED IN ACCORDANCE WITH SECTION 501 FOR THE STANDARD SPECIFICATIONS, WITH A MINIMUM 28 DA Y COMPRESSIVE STRENGTH OF 3,500 PSI.
9. CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING SECTIONS OF THE STANDARD SPECIFICATIONS:
   SECTION 415 FOR CONCRETE PAVEMENT
   SECTION 601 FOR CONCRETE CURB AND GUTTER
   SECTION 602 FOR CONCRETE SIDEWALKS.
10. ALL FINISHED CONCRETE SHALL BE COVERED WITH A LIQUID CURING COMPOUND CONFORMING TO AASHTO M 148, TYPE 2, IN ACCORDANCE WITH SECTION 415 OF THE STANDARD SPECIFICATIONS.
11. PAVEMENT MARKINGS SHALL BE PAINT IN ACCORDANCE WITH SECTION 646 OF THE STANDARD SPECIFICATIONS. (COLOR SHALL BE AS INDICATED ON THE PLANS.) THE FOLLOWING ITEMS SHALL BE PAINTED WITH COLORS NOTED BELOW:
    PARKING STALLS: WHITE
    PEDESTRIAN CROSSWALKS: WHITE
    LANE STRIPING WHERE SEPARATING TRAFFIC IS MOVING IN OPPOSITE DIRECTIONS: YELLOW
    LANE STRIPING WHERE SEPARATING TRAFFIC IS MOVING IN SAME DIRECTIONS: WHITE
    ADA SYMBOLS: BLUE OR PER LOCAL CODE
    FIRE LANES: PER LOCAL CODE
    EXTERIOR SIDEWALK CURBED, LIGHT POLE BASES, AND GUARD POSTS: YELLOW

NOTE: PAVEMENT SHALL BE DESIGNED BY GEOTECHNICAL ENGINEER. MISSING INFORMATION ABOVE, DESIGNATED WITH (*), SHALL BE FILLED IN PER GEOTECHNICAL REPORT. CAUTION: INFORMATION BELOW SHALL BE USED ONLY AS A GUIDE.

* DENSE GRADED BASE GRADATIONS: 3-INCH, 1 1/4-INCH, OR 3/4-INCH (TYPICALLY 1 1/4-INCH)

** HMA SUPERPAVE TYPES: E-0.3, E-1, E-3, E-10, E-30 (TYPICALLY E-0.3 OR E-1 FOR MOST RESIDENTIAL AND COMMERCIAL PROJECTS)

*** PG BINDERS:
64-22 BASIC ASPHALT, TYPICALLY USED FOR PARKING LOTS
58-28 RECOMMENDED FOR OVERLAY PROJECTS
64-28 POLYMER ADDED, HIGH COST ASPHALT, LARGEST RANGE OF TEMP.
UPPER LAYER PG64-28, PG64-22, OR PG58-28
LOWER LAYER PG64-22 (IF UPPER LAYER IS PG64-xx OR HIGHER), OR PG58-28

**** HMA AGGREGATE GRADATIONS: 37.5 MM, 25.0 MM, 19.0 MM, 12.5 MM, 9.5 MM (TYPICALL Y: 12.5 MM FOR UPPER LAYER, 19.0 MM FOR LOWER LAYER)

MARK	REVISION	DATE	BY
	SITE UPDATES	06-16-202	BCA
	CITY COMMENTS	12-21-2018	BCA
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Engineer: BCA | Checked By: MLC | Scale: 1" =
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Project No: 117.0784.30

Sheet C 6.3

CITY OF MADISON, DANE COUNTY, WI

5535 UNIVERSITY AVENUE

SITE DETAILS

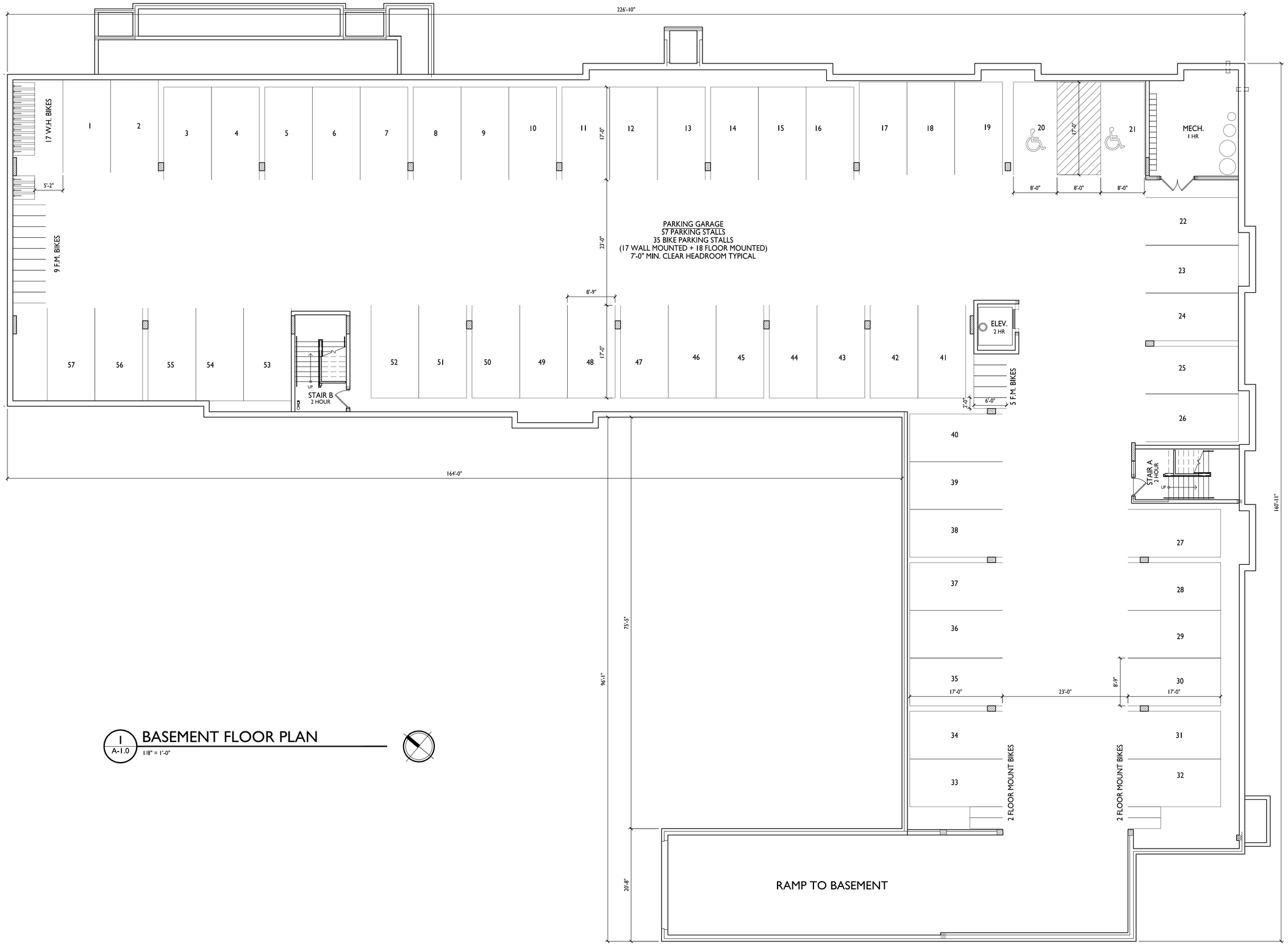
SNYDER & ASSOCIATES, INC.
5005 BOWLING STREET S.W.
CEDAR RAPIDS, IOWA 52404
319-362-9394 | www.snyder-associates.com

SNYDER & ASSOCIATES

Project No: 117.0784.30

Sheet C 6.3

V:\Projects\2017\117.0784.30\CAD\117.0784.30 DTLS SITE.dwg BRIAN.ARCAND, SITE DETAILS, 2021/06/15, 9:26 AM, ARCH FULL BLEED D (36.00 X 24.00 INCHES)



1 A-1.0 BASEMENT FLOOR PLAN

1/8" = 1'-0"

knothe bruce ARCHITECTS
Phone: 608.836.3690
7601 University Ave, Ste 201
Middleton, WI 53562

ISSUED

Issued for Land Use & UDC - July 18, 2018
Issued for Revision to Previously Approved Plans - June 16, 2021

PROJECT TITLE

Mixed-Use Development

5535 University Ave.
Madison, WI
(Residential)

5541, 5545 & 5549
University Ave.
(Commercial)

SHEET TITLE

Basement Floor Plan

SHEET NUMBER

A-1.0

PROJECT NO. 1735

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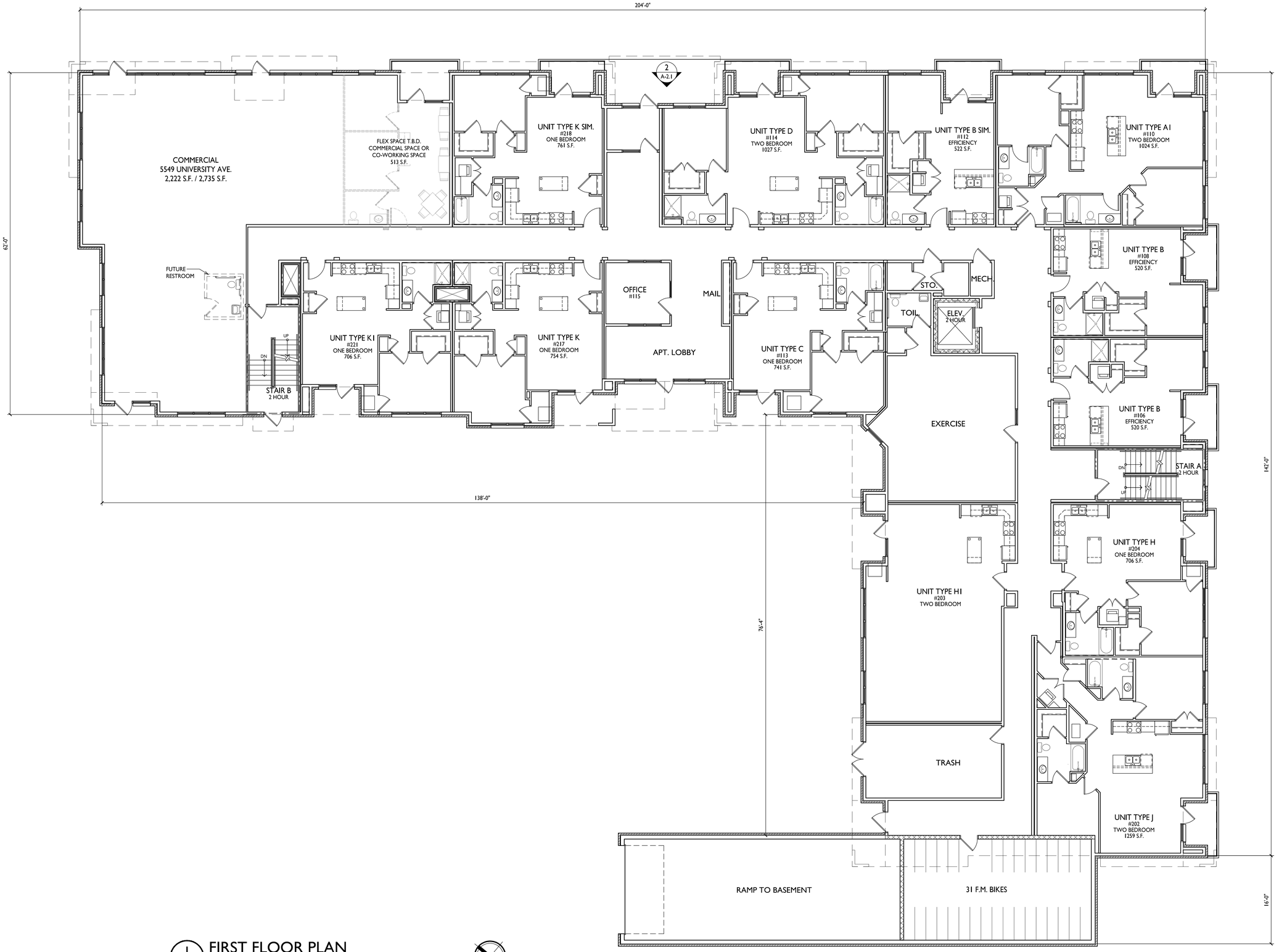

1 A-1.1 FIRST FLOOR PLAN

1/8" = 1'-0"

2 A-2.2

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5535 University Ave.
Madison, WI
(Residential)

5541, 5545 & 5549
University Ave.
(Commercial)

SHEET TITLE

First Floor Plan

SHEET NUMBER

A-1.1

PROJECT NO. 1735

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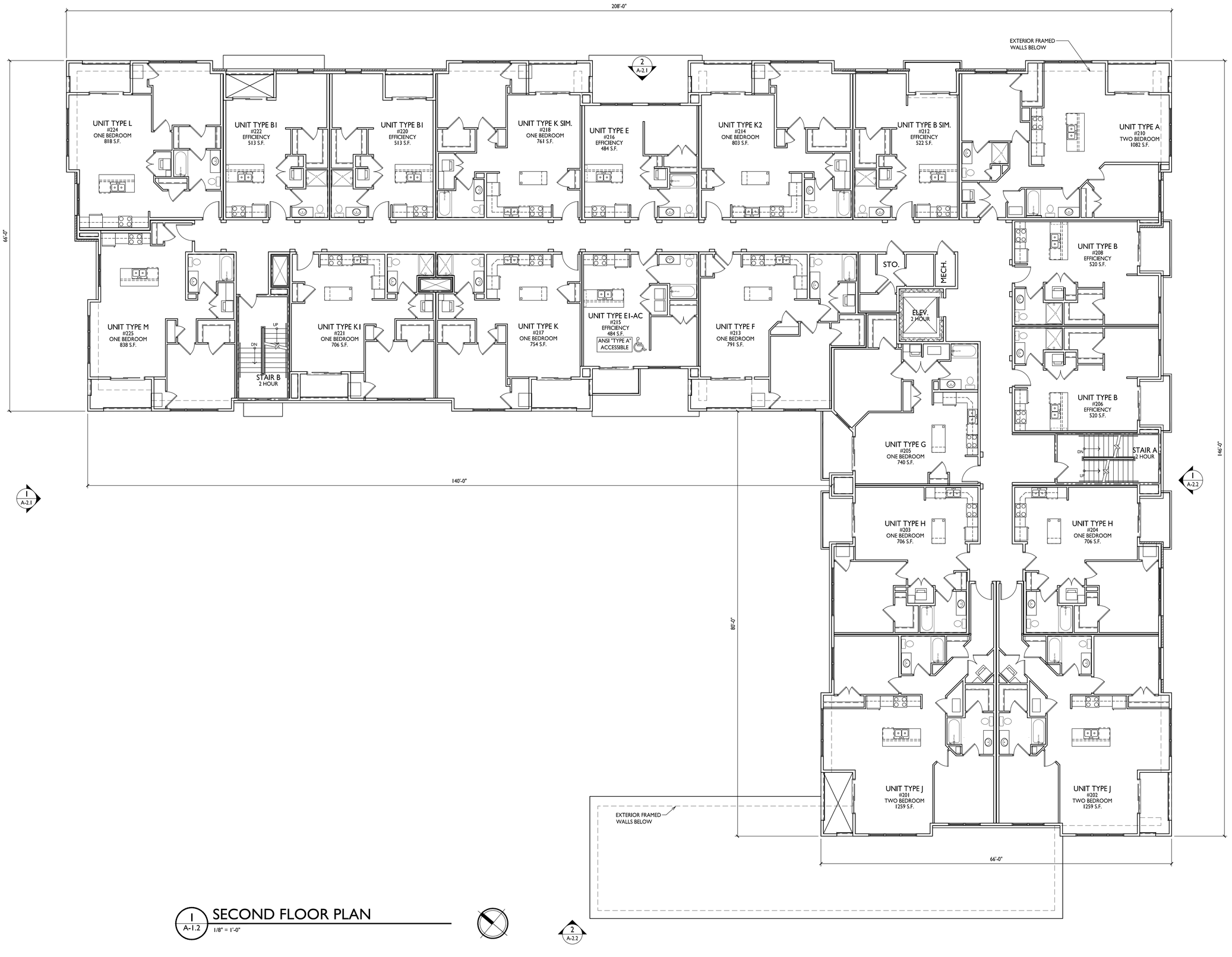

1 A-1.2 SECOND FLOOR PLAN

1/8" = 1'-0"

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Mixed-Use Development

5535 University Ave.
Madison, WI
(Residential)

5541, 5545 & 5549 University Ave.
(Commercial)

SHEET TITLE

Second Floor Plan

SHEET NUMBER

A-1.2

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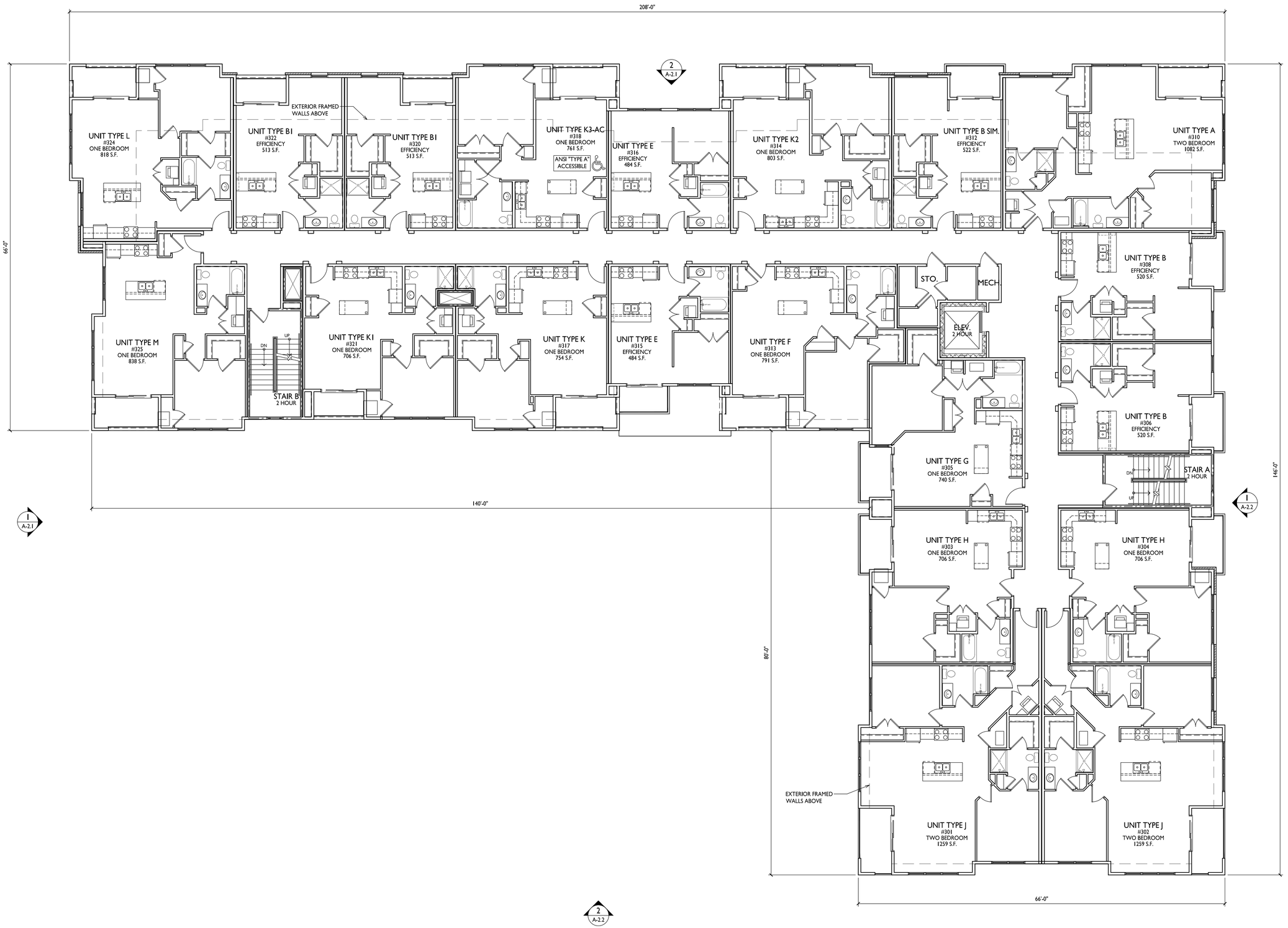

1 A-1.3 THIRD FLOOR PLAN

1/8" = 1'-0"

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Mixed-Use Development

5535 University Ave.
Madison, WI
(Residential)

5541, 5545 & 5549
University Ave.
(Commercial)

SHEET TITLE

Third Floor Plan

SHEET NUMBER

A-1.3

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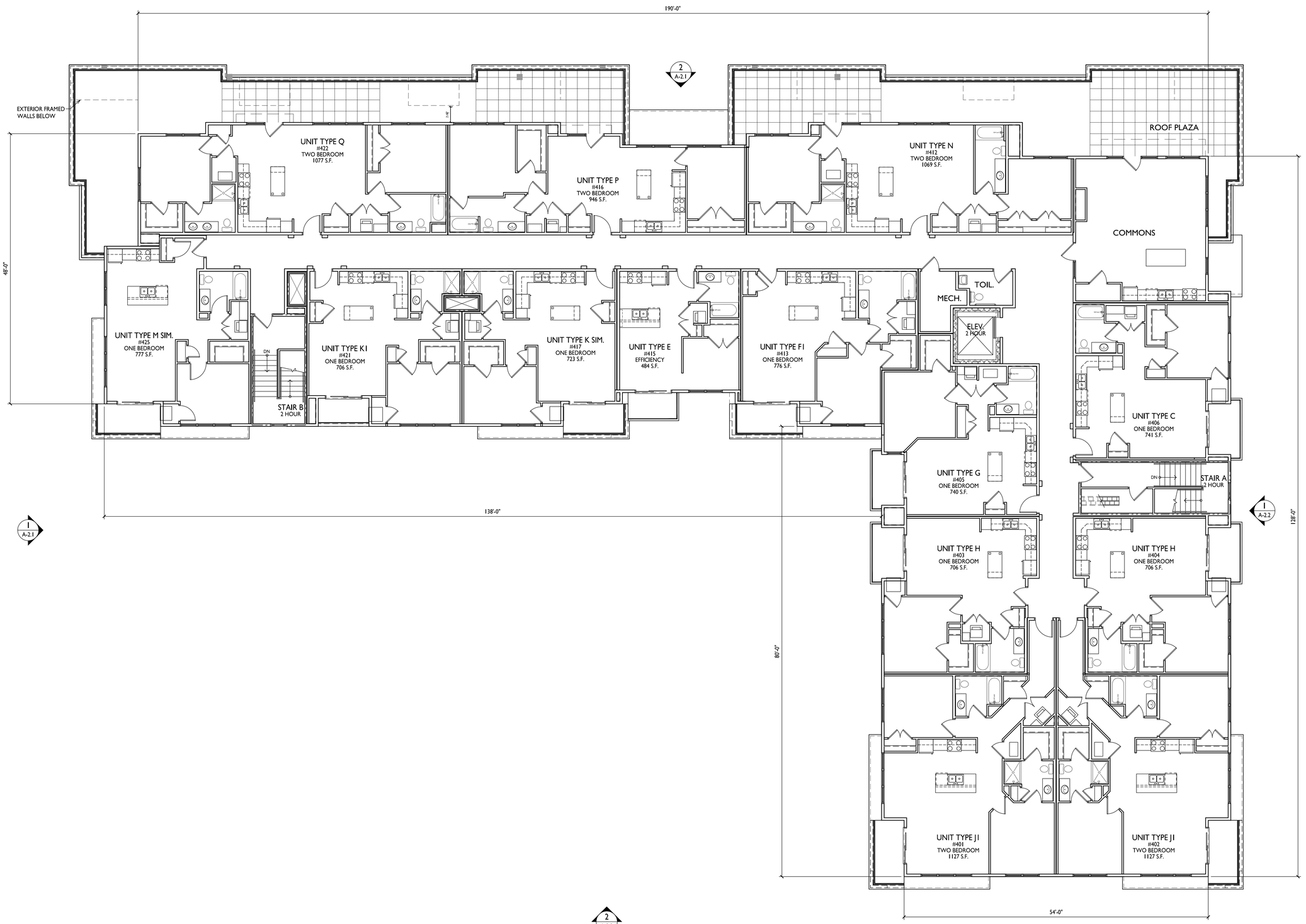

2
A-2.2

1
A-1.4
FOURTH FLOOR PLAN
1/8" = 1'-0"

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PROJECT TITLE
Mixed-Use Development

5535 University Ave.
Madison, WI
(Residential)

5541, 5545 & 5549
University Ave.
(Commercial)

SHEET TITLE
Fourth Floor Plan

SHEET NUMBER
A-1.4

PROJECT NO. 1735

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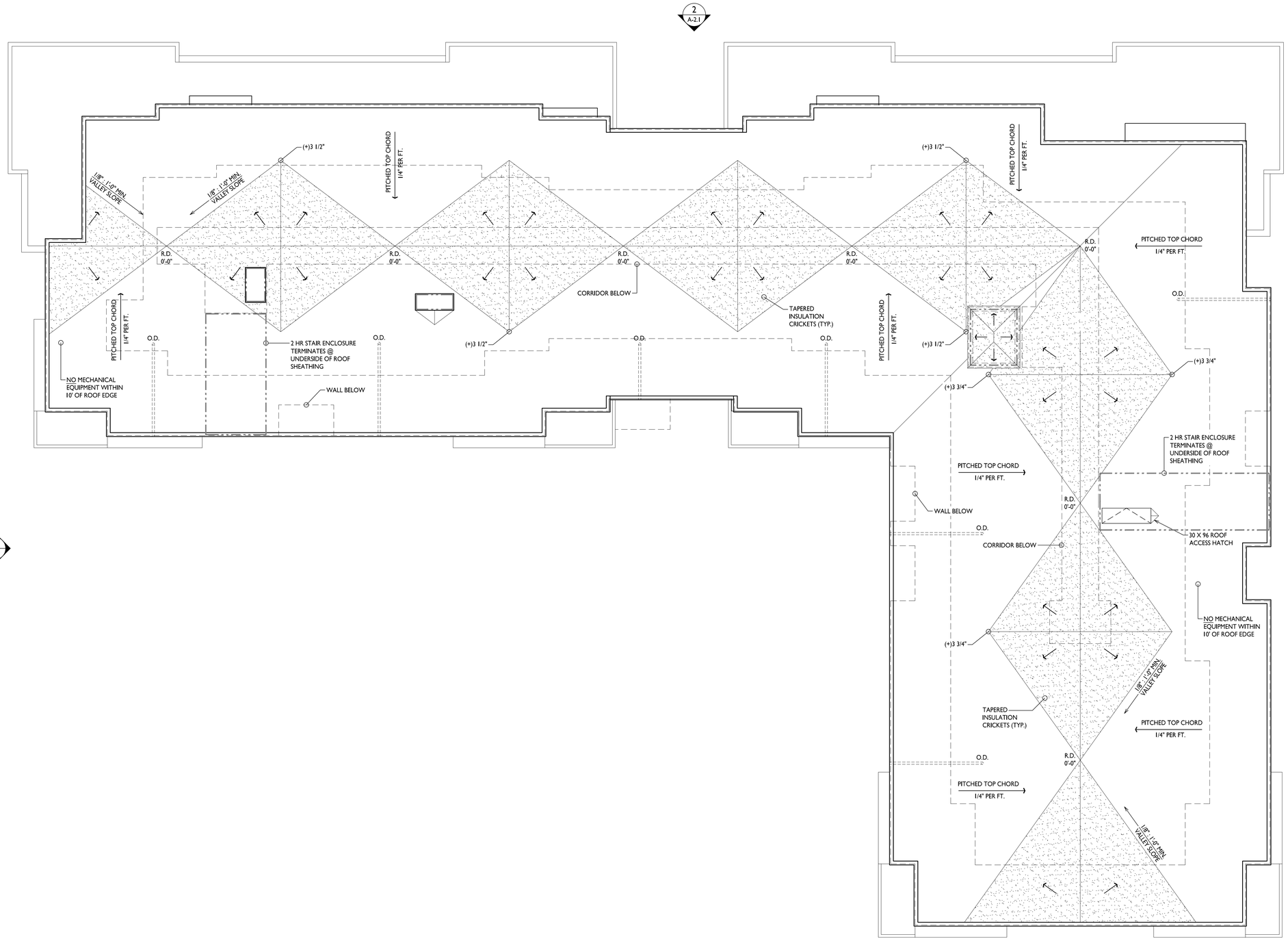

1 A-1.5 ROOF PLAN

1/8" = 1'-0"

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Middleton, WI 53562

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PROJECT TITLE

Mixed-Use Development

5535 University Ave.
Madison, WI
(Residential)

5541, 5545 & 5549
University Ave.
(Commercial)

SHEET TITLE

Roof Plan

SHEET NUMBER

A-1.5

PROJECT NO. 1735

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EXTERIOR MATERIAL SCHEDULE

1 BALCONY	METAL - SW7026 GRIFFIN
2 BRICK VENEER	
BRICK MORTAR	
METAL FLASHING AT BRICK	
3 PRECAST	ROCKFAST - WHEATSTONE
4 HORIZONTAL SIDING & TRIM	COMPOSITE - SW7026 GRIFFIN
5 HORIZONTAL SIDING & TRIM @ BAYS	COMPOSITE - SW6117 SMOKEY TOPAZ
METAL FLASHING AT SIDING	
6 WINDOWS	ANDERSON - CANVAS
SEALANT AT WINDOWS	
7 RAILING	ALUMINUM - DARK BRONZE
8 GARAGE DOORS	MATCH BRICK
9 BUILDING ENTRANCES	
10 CAST STONE	
CAST STONE MORTAR	
METAL FLASHING AT CAST STONE	
11 DECK SKIRT	
DECK BOARDS	
METAL FLASHING AT DECK	
T & G SOFFIT BOARDS	

1 / A-2.1 WEST ELEVATION

1/8"=1'-0"

2 / A-2.1 NORTH ELEVATION

1/8"=1'-0"

knothe bruce ARCHITECTS

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7601 University Ave, Ste 201
Middleton, WI 53562

ISSUED

Issued for Site Plan Review - Feb. 13, 2018
Issued for Revision to Previously Approved Plans - June 16, 2021

PROJECT TITLE

Mixed-Use Development

5535 University Ave.
Madison, WI
(Residential)

5541, 5545 & 5549
University Ave.
(Commercial)

SHEET TITLE

Exterior Elevations

SHEET NUMBER

A-2.1

PROJECT NO. 1735

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1 A-2.2 EAST ELEVATION
1/8"=1'-0"

2 A-2.2 SOUTH ELEVATION
1/8"=1'-0"

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7601 University Ave, Ste 201
Middleton, WI 53562

ISSUED
Issued for Site Plan Review - Feb. 13, 2018
Issued for Revision to Previously Approved Plans - June 16, 2021

PROJECT TITLE
Mixed-Use Development

5535 University Ave.
Madison, WI
(Residential)

5541, 5545 & 5549
University Ave.
(Commercial)

SHEET TITLE
Exterior Elevations

SHEET NUMBER
A-2.2

PROJECT NO. 1735

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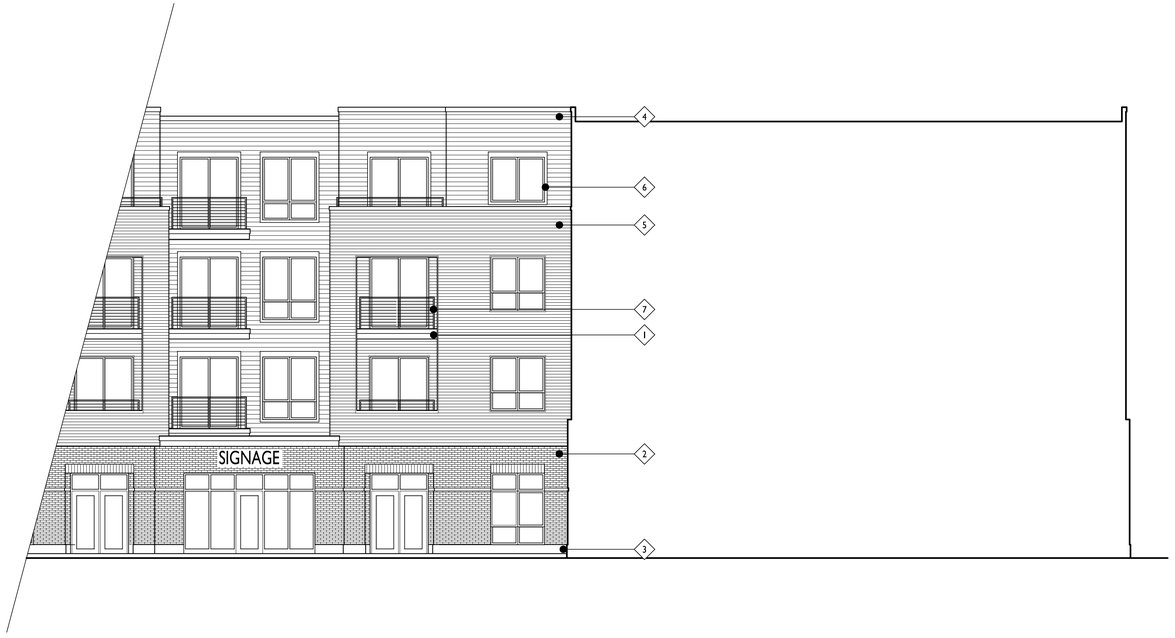

1 A-2.3 HIDDEN SOUTH ELEVATION

1/8"=1'-0"

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7601 University Ave, Ste 201
Middleton, WI 53562

ISSUED

Issued for Site Plan Review - Feb. 13, 2018
Issued for Revision to Previously Approved Plans - June 16, 2021

PROJECT TITLE

Mixed-Use Development

5535 University Ave.
Madison, WI
(Residential)

5541, 5545 & 5549
University Ave.
(Commercial)

SHEET TITLE

Exterior Elevations

SHEET NUMBER

A-2.3

PROJECT NO. 1735

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EXTERIOR MATERIAL SCHEDULE	
1 BALCONY	METAL - SW7026 GRIFFIN
2 BRICK VENEER	
BRICK MORTAR	
METAL FLASHING AT BRICK	
3 PRECAST	ROCKFAST - WHEATSTONE
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METAL FLASHING AT CAST STONE	
11 DECK SKIRT	
DECK BOARDS	
METAL FLASHING AT DECK	
T & G SOFFIT BOARDS	

1 A-2.1 WEST ELEVATION
1/8"=1'-0"

2 A-2.1 NORTH ELEVATION
1/8"=1'-0"

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7601 University Ave, Ste 201
Middleton, WI 53562

ISSUED
Issued for UDC Submittal - June 16, 2021

PROJECT TITLE
Mixed-Use Development

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Madison, WI
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5541, 5545 & 5549
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(Commercial)

SHEET TITLE
Exterior Elevations

SHEET NUMBER
A-2.1

PROJECT NO. 1735

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1 A-2.2 EAST ELEVATION
1/8"=1'-0"

2 A-2.2 SOUTH ELEVATION
1/8"=1'-0"

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PROJECT TITLE
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Madison, WI
(Residential)

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(Commercial)

SHEET TITLE
Exterior Elevations

SHEET NUMBER
A-2.2

PROJECT NO. 1735

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Qty	Botanical Name	Common Name	Size/Condition
Trees			
3	Amelanchier x grandiflora 'Autumn Brilliance'	AUTUMN BRILLIANCE APPLE SERVICEBERRY (multi-stem)	B-4/ft. b.
2	Acer miyabei 'Morton'	STATE STREET MYABE MAPLE	2 1/2"/b. b.
4	Carpinus betulus 'Frans Fontaine'	FRANS FONTAINE HORNBEAM	2 1/2"/b. b.
3	Cornus mas 'Golden Glory'	GOLDEN GLORY CORNELIAN CHERRY DOGWOOD	7'/b. b.
6	Juniperus virginiana 'Burkii'	BURKII BURK EASTERN RED CEDAR	6/b. b.
3	Prunus maackii	AMUR CHOKE CHERRY	2 1/2"/b. b.
4	Quercus 'Crimschmidt'	CRIMSON SPIRE OAK	2 1/2"/b. b.
39	Thuja occidentalis 'Techny'	TECHNY ARBORVITAE	6/b. b.
2	Tilia cordata 'Greenspire'	GREENSPIRE SMALL-LEAVED LINDEN	2 1/2"/b. b.
Shrubs			
10	Aronia melanocarpa 'Morton'	IROQUOIS BEAUTY BLACK BERRIED ARONIA	B-24"/cont.
26	Buxus 'Green Velvet'	GREEN VELVET BOXWOOD	B-24"/b. b.
5	Chamaecyparis pisifera 'Golden Mops'	GOLDEN MOPS JAPANESE FALSE CYPRESS	B-24"/cont.
3	Cornus stolonifera 'Kelseyi'	KELSEYS DOGWOOD	B-24"/cont.
4	Diervilla lonicera	BUSH HONEYSUCKLE	B-24"/cont.
4	Diervilla sessilifolia 'Cool Splash'	COOL SPLASH BUSH HONEYSUCKLE	B-24"/cont.
3	Euonymus fortunei 'Emerald Gaiety'	EMERALD GAIETY EUONYMUS	B-24"/cont.
28	Hydrangea arborescens 'Abetuel' pp#20571, dnr#466 (Proven Winners)	INCREDIBALL SMOOTH HYDRANGEA (Proven Winners)	B-24"/cont.
5	Hydrangea arborescens 'Annabelle'	ANNABELLE HYDRANGEA	B-24"/cont.
4	Hydrangea arborescens NOHAY PP1 20765	Invincibelle Spirit Hydrangea	B-24"/cont.
14	Hydrangea paniculata 'SMHPLQP' pp#25,136, dnr# (Proven Winners)	LITTLE QUICK FIRE HARDY HYDRANGEA (Proven Winners)	B-24"/cont.
4	Physocarpus opulifolia 'Donna May'	LITTLE DEVIL NINEBARK	24-30"/cont.
4	Picea abies 'Nidiformis'	NIDIFORMIS NORWAY SPRUCE	B-24"/cont.
5	Pinus mugo 'Compacta'	COMPACTA MUGO PINE	B-24"/cont.
9	Rhus aromatica 'Gro-low'	GRO-LOW FRAGRANT SUMAC	B-24"/cont.
25	Symphoricarpos 'Sofie' pp#2226 (Proven Winners)	PROUD BERRY CORAL BERRY (Proven Winners)	B-24"/cont.
3	Syringa patula 'Miss Kim'	MISS KIM MANCHURIAN LILAC	24-30"/cont.
11	Taxus x media 'Tuerlou'	EVERLOW YEW	B-24"/cont.
Ornamental Grasses			
22	Calamagrostis x acutiflora 'Karl Foerster'	KARL FOERSTER FEATHER REED GRASS	#1 cont.
22	Calamagrostis x acutiflora 'Overdam'	OVERDAM FEATHER REED GRASS	#1 cont.
28	Deschampsia cespitosa	TUFTED HAIR GRASS	#1 cont.
4	Sporobolus heterolepis	PRAIRIE DROPSEED GRASS	#1 cont.
Perennials and Annuals			
8	Asclepias tuberosa	BUTTERFLY WEED	#1 cont.
33	Baptisia australis	BLUE WILD INDIGO	#1 cont.
10	Echinacea purpurea 'Kims Knee High'	KIMS KNEE HIGH CONEFLOWER	#1 cont.
38	Geranium x cantabrigiense 'Biokovo'	BIOKOVO CRANESBILL	#1 cont.
39	Hemerocallis 'Prairie Blue Eyes'	PRAIRIE BLUE EYES DAYLILY	#1 cont.
27	Hemerocallis 'Stranberry Candy'	STRAWBERRY CANDY DAYLILY	#1 cont.
20	Nepeta x faassenii 'Walkers Low'	WALKERS LOW CATMINT	#1 cont.
12	Penstemon digitalis 'Husker Red'	HUSKER RED PENSTEMON	#1 cont.
9	Perovskia atriplicifolia 'Little Spire'	LITTLE SPIRE RUSSIAN SAGE	#1 cont.
12	Pycnanthemum virginianum	VIRGINIA MOUNTAIN MINT	#1 cont.
34	Rudbeckia fulgida 'Goldsturm'	GOLDSTURM BLACK-EYED SUSAN	#1 cont.
11	Sedum 'Autumn Joy'	AUTUMN JOY SEDUM	#1 cont.
15	Solidago shortii 'Solar Cascade'	SOLAR CASCADE GOLDENROD	#1 cont.
30	Stachys monieri 'Hummelo'	HUMMELO COMMON BETONY	#1 cont.
Vines			
6	Parthenocissus quinquefolia	VIRGINIA CREEPER	#1 cont.

LANDSCAPE CALCULATIONS & DISTRIBUTION:

TOTAL SQUARE FOOTAGE OF DEVELOPED AREA= 35,483 SQUARE FEET
TOTAL LANDSCAPE POINTS REQUIRED= 595

Tabulation of Points and Credits

Use the table to indicate the quantity and points for all existing and proposed landscape elements.

Plant Type/ Element	Minimum Size at Installation	Points	Credits/ Existing Landscaping		New/ Proposed Landscaping	
			Quantity	Points Achieved	Quantity	Points Achieved
Overstory deciduous tree	2½ inch caliper measured diameter at breast height (dbh)	35			15	525
Tall evergreen tree (i.e. pine, spruce)	5-6 feet tall	35				
Ornamental tree	1 1/2 inch caliper	15			6	90
Upright evergreen shrub (i.e. arborvitae)	3-4 feet tall	10			28	280
Shrub, deciduous	#3 gallon container size, Min. 12"-24"	3			114	342
Shrub, evergreen	#3 gallon container size, Min. 12"-24"	4			51	204
Ornamental grasses/ perennials	#1 gallon container size, Min. 8"-18"	2			386	772
Ornamental/ decorative fencing or wall	n/a	4 per 10 lineal ft.				
Existing significant specimen tree	Minimum size: 2 ½ inch caliper dbh. *Trees must be within developed area and cannot comprise more than 30% of total required points.	14 per caliper inch dbh. Maximum points per tree: 200				
Landscape furniture for public seating and/or transit connections	* Furniture must be within developed area, publically accessible, and cannot comprise more than 5% of total required points.	5 points per "seat"				
Sub Totals						2213

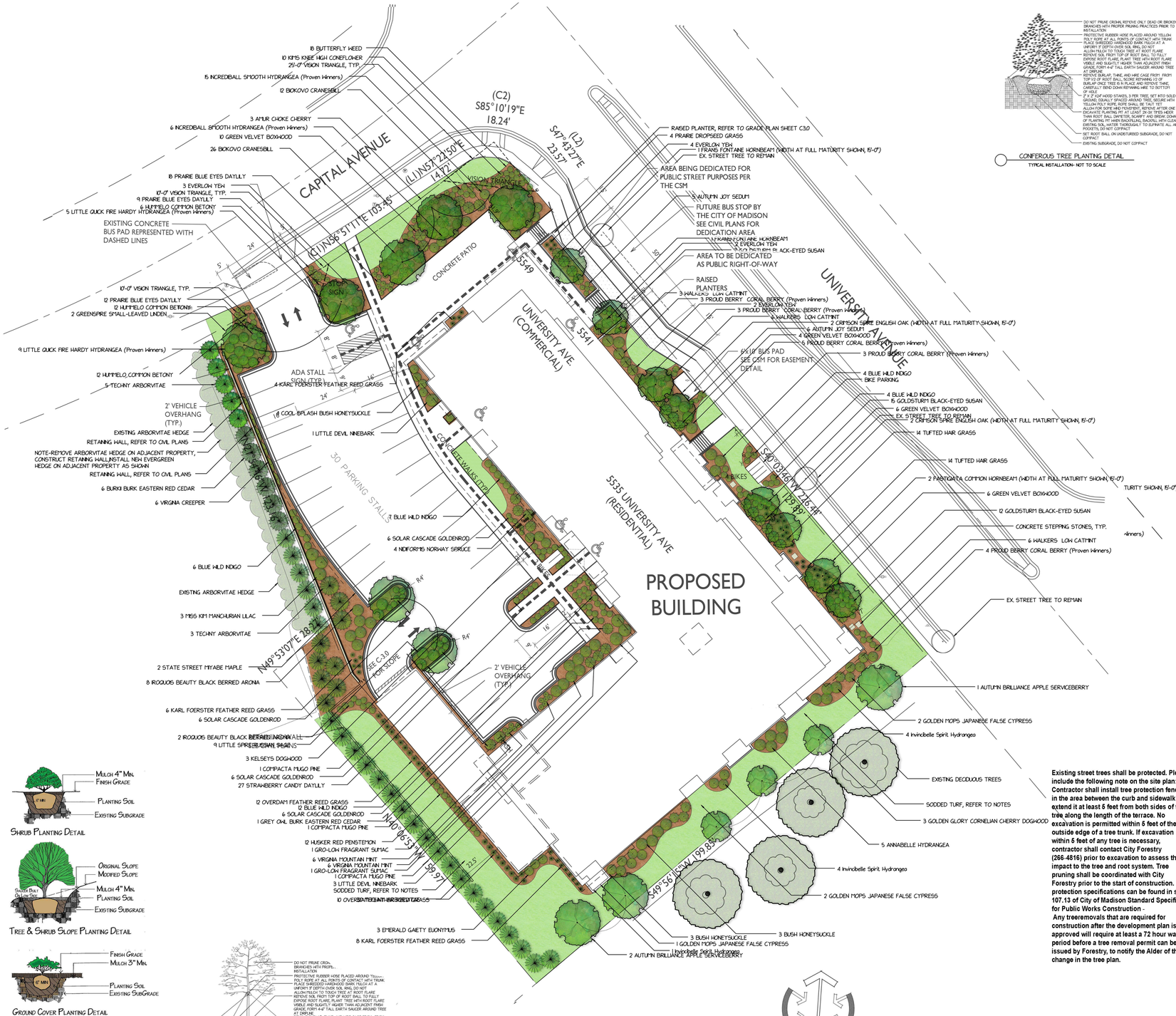
Total Number of Points Provided 2213

PLANTING NOTES:

1)CONTRACTOR SHALL VERIFY LOCATION OF ALL ON-SITE UTILITIES PRIOR TO COMMENCING ANY WORK ON SITE. WI STATE STATUTE 182.0715 REQUIRES THREE WORK DAYS NOTICE BEFORE YOU EXCAVATE. CALL DIGGER'S HOTLINE AT 1-800-242-8511.
2)SUPPLY AND INSTALL ALL WISCONSIN GROWN NURSERY STOCK. GUARANTEE ALL STOCK FOR A PERIOD OF ONE YEAR. ALL PLANTING MATERIAL IS TO BE PLANTED IMMEDIATELY AFTER ARRIVAL AND UNLOADING ON SITE. PLANT TYPES, SIZES, AND QUANTITIES ARE ACCORDING TO THE PROPOSED PLANS. IF ANY DISCREPANCIES ARE PRESENT BETWEEN PLANT LEGEND AND GRAPHIC DEPICTION, GRAPHICALLY DEPICTED QUANTITIES SHALL HOLD PRECEDENCE. ANY POTENTIAL PLANT SUBSTITUTIONS MUST BE APPROVED IN WRITING.
3)ACTUAL LOCATIONS OF PLANT MATERIAL ARE SUBJECT TO FINAL SITE LAYOUT AND CONDITIONS AND MAY BE ADJUSTED ACCORDINGLY.
4)ALL DECIDUOUS TREES SHALL BE GUYED AND STAKED ACCORDINGLY AS PER PLANTING DETAILS.
5)ALL PLANTS ARE TO BE BACKFILLED WITH A 50/50 MIX OF PLANT STARTER AND TOPSOIL BLEND AND IS TO BE FREE OF ROOTS, ROCKS LARGER THAN 1" IN DIAMETER, SUBSOIL DEBRIS, AND WEEDS.
6)OPEN AND REMOVE THE TOP BURLAP AND TWINE OR STRING FROM ALL BALLED AND BURLAPPED PLANTS AND SET ALL PLANTS AT FINISH GRADE.
7)SUPPLY AND INSTALL 3"-4" OF SHREDDED HARDWOOD BARK MULCH IN ALL PLANT BEDS TREATED WITH A GRANULAR PRE-EMERGENT HERBICIDE PRIOR TO PLACING MULCH.
8)SUPPLY AND INSTALL STEEL EDGING, (3/16" x 4" SIZE) WHERE ALL PLANT BEDS ADJOIN TURF AREAS. SUPPLY AND INSTALL ACCORDING TO THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS. TYPE TO BE APPROVED BY OWNER.
9)SUPPLY AND INSTALL 3-4" OF SHREDDED HARDWOOD BARK MULCH 1'-0" PAST THE DRIPLINE OF ALL INDIVIDUAL TREES. DO NOT PLACE MULCH AGAINST TREE TRUNK OR ROOT FLARE AT TREE BASE.
10)ALL TURF AREAS SHALL BE FINE GRADED, REMOVING ALL SURFACE STONES 1" OR LARGER. APPLY A STARTER FERTILIZER AT THE RECOMMENDED RATE IN ALL TURF AREAS. ALL TURF AREAS SHALL BE SODDED WITH A KENTUCKY BLUEGRASS BLEND SOD, INSTALLED IN A STAGGERED JOINT LAYING FASHION. ALL SODDED AREAS SHALL BE WATERED IMMEDIATELY AFTER INSTALLATION AND SATURATED TO A DEPTH OF 3".

GENERAL NOTES:

1)REFER TO GRADING AND CIVIL PLANS FOR RETAINING WALLS.
2)SUPPLY AND INSTALL A DESIGN/BUILD IRRIGATION SYSTEM FOR ALL LANDSCAPED AREAS. CONTRACTOR TO PROVIDE CAD SHOP DRAWINGS AND ALL PRODUCT LITERATURE SUBMITTALS PRIOR TO FINAL APPROVAL. AS-BUILT DRAWINGS, MANUALS, AND, WARRANTIES SHALL BE PROVIDED TO THE OWNER UPON PROJECT COMPLETION.
3)THE OWNER IS RESPONSIBLE FOR ALL ON-GOING MAINTENANCE OF LANDSCAPING ON THE SITE. ALL PLANTING BEDS SHALL BE KEPT FREE OF WEEDS, ANY PLANT MATERIAL THAT HAS DIED SHALL BE REPLACED NO LATER THAN THE UPCOMING JUNE 1. ANY PLANT MATERIAL THAT HAS DIED DURING THE FIRST YEAR WARRANTY PERIOD SHALL BE REPLACED BY THE LANDSCAPE CONTRACTOR AT NO ADDITIONAL COST.

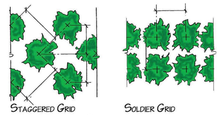


CONIFEROUS TREE PLANTING DETAIL
TYPICAL INSTALLATION- NOT TO SCALE

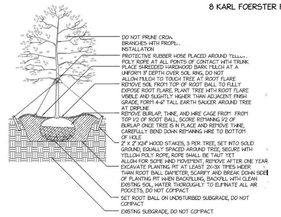
Shrub Planting Detail

Tree & Shrub Slope Planting Detail

Ground Cover Planting Detail



Planting Layout Details



DECIDUOUS TREE PLANTING DETAIL
TYPICAL INSTALLATION- NOT TO SCALE

DIGGERS HOTLINE
WI STATE STATUTE 182.0715 REQUIRES THREE WORK DAYS NOTICE BEFORE YOU EXCAVATE
CALL DIGGERS HOTLINE 1-800-242-8511

0 20 40
SCALE IN FEET

PREPARED PER CITY OF MADISON ZONING CODE SECTION 28.142-LANDSCAPING & SCREENING REQUIREMENTS

NELSON LANDSCAPE INC.
Post Office Box 823
Waukesha, WI 53187-0823
262-549-6111
262-549-9229
www.nelsonlandscape.com

Sheet Title:

LANDSCAPE PLAN

Project:

PROPOSED DEVELOPMENT
5535 UNIVERSITY AVENUE
MADISON, WI 53705

Client:

Plan Notes:

Designed By:
Drawn By: C. J. N.
Date: 10-03-17
Revisions: 10-04-17, 12-05-17, 12-07-17, 12-11-17, 4-04-18, 4-06-18, 4-09-18, 7-17-18, 1-14-19

Notice: 8-03-21

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This plan is subject to final on-site conditions and may be modified to account for unforseen obstacles, other changes, or site modifications that were not made known at the time of preparation dated on this plan.

Existing street trees shall be protected. Please include the following note on the site plan: Contractor shall install tree protection fencing in the area between the curb and sidewalk and extend it at least 5 feet from both sides of the tree along the length of the terrace. No excavation is permitted within 5 feet of the outside edge of a tree trunk. If excavation within 5 feet of any tree is necessary, contractor shall contact City Forestry (266-4816) prior to excavation to assess the impact to the tree and root system. Tree pruning shall be coordinated with City Forestry prior to the start of construction. Tree protection specifications can be found in section 107.13 of City of Madison Standard Specifications for Public Works Construction -
Any treeremovals that are required for construction after the development plan is approved will require at least a 72 hour wait period before a tree removal permit can be issued by Forestry, to notify the Alder of the change in the tree plan.

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D-Series Size 0
LED Area Luminaire

Catalog Number

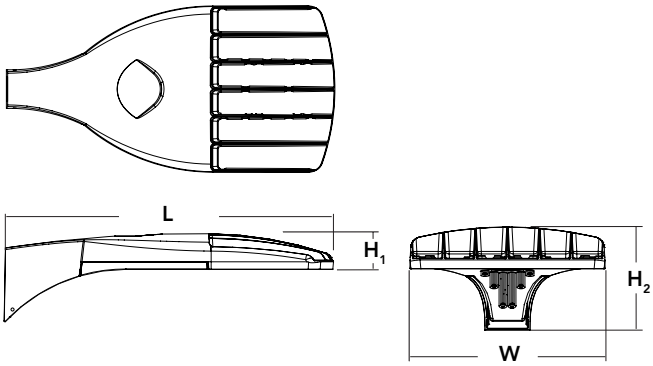
Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA:	0.95 ft² (.09 m²)
Length:	26" (66.0 cm)
Width:	13" (33.0 cm)
Height$_1$:	3" (7.62 cm)
Height$_2$:	7" (17.8 cm)
Weight (max):	16 lbs (7.25 kg)



Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 400W metal halide with typical energy savings of 70% and expected service life of over 100,000 hours.

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: DSX0 LED P6 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX0 LED

Series
DSX0 LED

LEDs
Forward optics
P1 P4 P7
P2 P5
P3 P6
Rotated optics
P10[1] P12[1]
P11[1] P13[1]

Color temperature
30K 3000 K
40K 4000 K
50K 5000 K

Distribution
T1S Type I short
T2S Type II short
T2M Type II medium
T3S Type III short
T3M Type III medium
T4M Type IV medium
TFTM Forward throw medium
T5VS Type V very short
T5S Type V short
T5M Type V medium
T5W Type V wide
BLC Backlight control[2]
LCCO Left corner cutoff[2]
RCCO Right corner cutoff[2]

Voltage
MVOLT [3,4]
120 [4]
208 [4]
240 [4]
277 [4]
347 [4,5]
480 [4,5]

Mounting
Shipped included
SPA Square pole mounting
RPA Round pole mounting
WBA Wall bracket
SPUMBA Square pole universal mounting adaptor [6]
RPUMBA Round pole universal mounting adaptor [6]
Shipped separately
KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish)[7]

Control options
Shipped installed
NLTAIR2 nLight AIR generation 2 enabled[8,9]
PIRHN Network, high/low motion/ambient sensor[10]
PER NEMA twist-lock receptacle only (control ordered separate) [11]
PER5 Five-pin receptacle only (control ordered separate) [11,12]
PER7 Seven-pin receptacle only (leads exit fixture) (control ordered separate) [11,12]
DMG 0-10V dimming extend out back of housing for external control (control ordered separate) [13]
PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc [14,15]
PIRH High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc [14,15]
PIR1FC3V High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc [14,15]
PIRH1FC3V High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc [14,15]
FAO Field adjustable output [16]

Other options
Shipped installed
HS House-side shield [17]
SF Single fuse (120, 277, 347V) [4]
DF Double fuse (208, 240, 480V) [4]
L90 Left rotated optics [1]
R90 Right rotated optics [1]
DDL Diffused drop lens [17]
Shipped separately
BS Bird spikes [18]
EGS External glare shield [18]

Finish *(required)*
DDBXD Dark bronze
DBLXD Black
DNAXD Natural aluminum
DWHXD White
DDBTXD Textured dark bronze
DBLBXD Textured black
DNATXD Textured natural aluminum
DWHGXD Textured white

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Ordering Information

Accessories

Ordered and shipped separately.

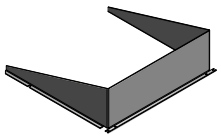
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [19]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [19]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [19]
DSHORT SBK U	Shorting cap [19]
DSX0HS 20C U	House-side shield for P1,P2,P3 and P4 [17]
DSX0HS 30C U	House-side shield for P10,P11,P12 and P13 [17]
DSX0HS 40C U	House-side shield for P5,P6 and P7 [17]
DSX0DDL U	Diffused drop lens (polycarbonate) [17]
PUMBA DDBXD U*	Square and round pole universal mounting bracket adaptor (specify finish) [20]
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) [6]

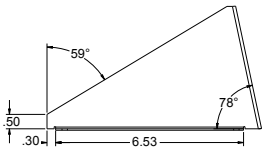
For more control options, visit DTL and ROAM online. Link to nLight Air 2

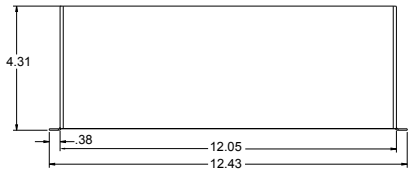
NOTES

1 P10, P11, P12 and P13 and rotated options (L90 or R90) only available together.
2 Not available with HS or DDL.
3 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
4 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
5 Not available with BL30, BL50 or PNMT options.
6 Universal mounting brackets intended for retrofit on existing pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31.
7 Must order fixture with SPA mounting. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
8 Must be ordered with PIRHN.
9 Sensor cover available only in dark bronze, black, white and natural aluminum colors.
10 Must be ordered with NLTAIR2. For more information on nLight Air 2 visit this link
11 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
12 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Shorting Cap included.
13 DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V.
14 Reference Motion Sensor table on page 3.
15 Reference PER Table on page 3 to see functionality.
16 Not available with other dimming controls options.
17 Not available with BLC, LCCO and RCCO distribution.
18 Must be ordered with fixture for factory pre-drilling.
19 Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table on page 3.
20 For retrofit use only.

EGS – External Glare Shield

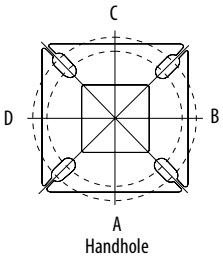


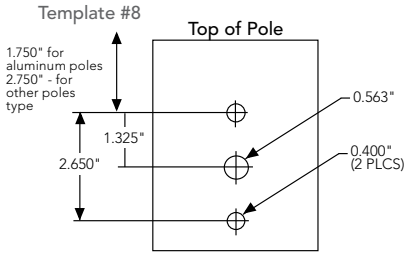




Drilling

HANDHOLE ORIENTATION
(from top of pole)





Tenon Mounting Slipfitter

Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

Mounting Option	**Drilling Template**	**Single**	**2 @ 180**	**2 @ 90**	**3 @ 90**	**3 @ 120**	**4 @ 90**
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
		Minimum Acceptable Outside Pole Dimension					
SPA	#8	2-7/8"	2-7/8"	3.5"	3.5"		3.5"
RPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
SPUMBA	#5	2-7/8"	3"	4"	4"		4"
RPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"

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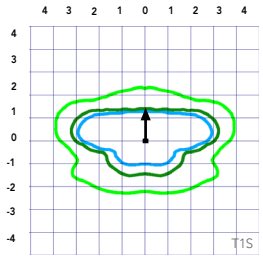
Photometric Diagrams

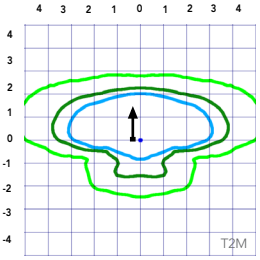
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area Size 0 homepage.

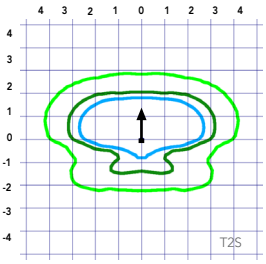
Isofootcandle plots for the DSX0 LED 40C 1000 40K. Distances are in units of mounting height (20').

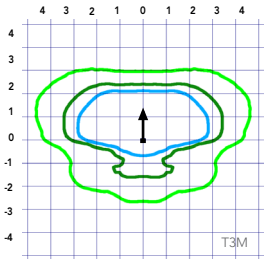
LEGEND

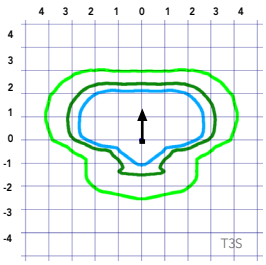
- 0.1 fc
- 0.5 fc
- 1.0 fc

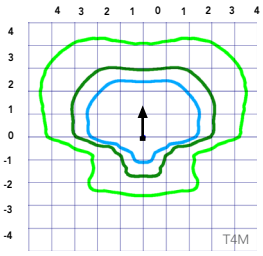


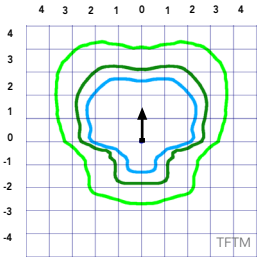


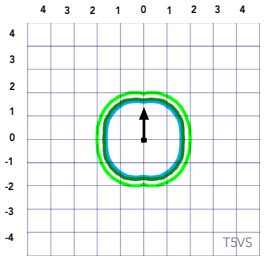


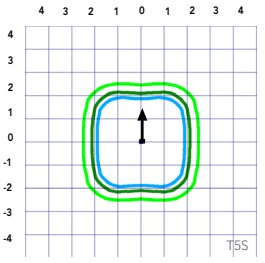


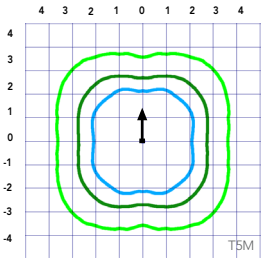


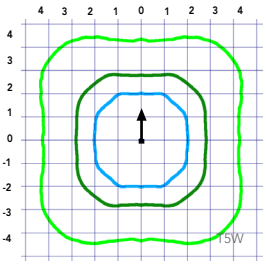


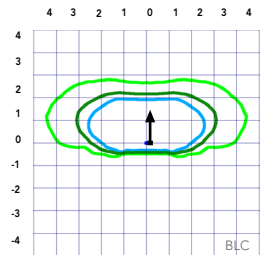


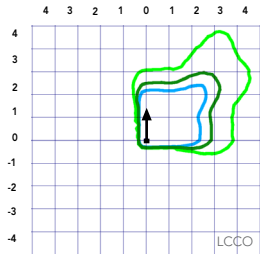


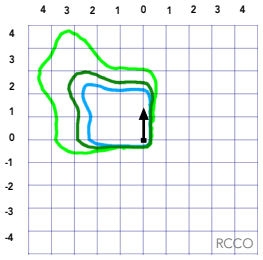












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Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	50°F	1.02
20°C	68°F	1.01
25°C	**77°C**	**1.00**
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	Lumen Maintenance Factor
25,000	0.96
50,000	0.92
100,000	0.85

Motion Sensor Default Settings						
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min
*for use with separate Dusk to Dawn or timer.						

Electrical Load

					Current (A)					
	Performance Package	LED Count	Drive Current	Wattage	120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	20	530	38	0.32	0.18	0.15	0.15	0.10	0.08
	P2	20	700	49	0.41	0.23	0.20	0.19	0.14	0.11
	P3	20	1050	71	0.60	0.37	0.32	0.27	0.21	0.15
	P4	20	1400	92	0.77	0.45	0.39	0.35	0.28	0.20
	P5	40	700	89	0.74	0.43	0.38	0.34	0.26	0.20
	P6	40	1050	134	1.13	0.65	0.55	0.48	0.39	0.29
	P7	40	1300	166	1.38	0.80	0.69	0.60	0.50	0.37
Rotated Optics (Requires L90 or R90)	P10	30	530	53	0.45	0.26	0.23	0.21	0.16	0.12
	P11	30	700	72	0.60	0.35	0.30	0.27	0.20	0.16
	P12	30	1050	104	0.88	0.50	0.44	0.39	0.31	0.23
	P13	30	1300	128	1.08	0.62	0.54	0.48	0.37	0.27

Controls Options

Nomenclature	Descripton	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the lumiaire; wired to the driver dimming leads.	Allows the lumiaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS	Drivers wired independantly for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two seperately switched circuits. Consider nLight AIR as a more cost effective alternative.
PER5 or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire
PIR or PIRH	Motion sensors with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting	Luminaires dim when no occupancy is detected.	Acuity Controls SBOR	Also available with PIRH1FC3V when the sensor photocell is used for dusk-to-dawn operation.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclypse.	nLight Air rSDGR	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app.

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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics

Power Package	LED Count	Drive Current	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	20	530	38W	T1S	4,369	1	0	1	115	4,706	1	0	1	124	4,766	1	0	1	125
				T2S	4,364	1	0	1	115	4,701	1	0	1	124	4,761	1	0	1	125
				T2M	4,387	1	0	1	115	4,726	1	0	1	124	4,785	1	0	1	126
				T3S	4,248	1	0	1	112	4,577	1	0	1	120	4,634	1	0	1	122
				T3M	4,376	1	0	1	115	4,714	1	0	1	124	4,774	1	0	1	126
				T4M	4,281	1	0	1	113	4,612	1	0	2	121	4,670	1	0	2	123
				TFTM	4,373	1	0	1	115	4,711	1	0	2	124	4,771	1	0	2	126
				T5VS	4,548	2	0	0	120	4,900	2	0	0	129	4,962	2	0	0	131
				T5S	4,552	2	0	0	120	4,904	2	0	0	129	4,966	2	0	0	131
				T5M	4,541	3	0	1	120	4,891	3	0	1	129	4,953	3	0	1	130
				T5W	4,576	3	0	2	120	4,929	3	0	2	130	4,992	3	0	2	131
				BLC	3,586	1	0	1	94	3,863	1	0	1	102	3,912	1	0	1	103
				LCCO	2,668	1	0	1	70	2,874	1	0	2	76	2,911	1	0	2	77
				RCCO	2,668	1	0	1	70	2,874	1	0	2	76	2,911	1	0	2	77
P2	20	700	49W	T1S	5,570	1	0	1	114	6,001	1	0	1	122	6,077	2	0	2	124
				T2S	5,564	1	0	2	114	5,994	1	0	2	122	6,070	2	0	2	124
				T2M	5,593	1	0	1	114	6,025	1	0	1	123	6,102	1	0	1	125
				T3S	5,417	1	0	2	111	5,835	1	0	2	119	5,909	2	0	2	121
				T3M	5,580	1	0	2	114	6,011	1	0	2	123	6,087	1	0	2	124
				T4M	5,458	1	0	2	111	5,880	1	0	2	120	5,955	1	0	2	122
				TFTM	5,576	1	0	2	114	6,007	1	0	2	123	6,083	1	0	2	124
				T5VS	5,799	2	0	0	118	6,247	2	0	0	127	6,327	2	0	0	129
				T5S	5,804	2	0	0	118	6,252	2	0	0	128	6,332	2	0	1	129
				T5M	5,789	3	0	1	118	6,237	3	0	1	127	6,316	3	0	1	129
				T5W	5,834	3	0	2	119	6,285	3	0	2	128	6,364	3	0	2	130
				BLC	4,572	1	0	1	93	4,925	1	0	1	101	4,987	1	0	1	102
				LCCO	3,402	1	0	2	69	3,665	1	0	2	75	3,711	1	0	2	76
				RCCO	3,402	1	0	2	69	3,665	1	0	2	75	3,711	1	0	2	76
P3	20	1050	71W	T1S	7,833	2	0	2	110	8,438	2	0	2	119	8,545	2	0	2	120
				T2S	7,825	2	0	2	110	8,429	2	0	2	119	8,536	2	0	2	120
				T2M	7,865	2	0	2	111	8,473	2	0	2	119	8,580	2	0	2	121
				T3S	7,617	2	0	2	107	8,205	2	0	2	116	8,309	2	0	2	117
				T3M	7,846	2	0	2	111	8,452	2	0	2	119	8,559	2	0	2	121
				T4M	7,675	2	0	2	108	8,269	2	0	2	116	8,373	2	0	2	118
				TFTM	7,841	2	0	2	110	8,447	2	0	2	119	8,554	2	0	2	120
				T5VS	8,155	3	0	0	115	8,785	3	0	0	124	8,896	3	0	0	125
				T5S	8,162	3	0	1	115	8,792	3	0	1	124	8,904	3	0	1	125
				T5M	8,141	3	0	2	115	8,770	3	0	2	124	8,881	3	0	2	125
				T5W	8,204	3	0	2	116	8,838	4	0	2	124	8,950	4	0	2	126
				BLC	6,429	1	0	2	91	6,926	1	0	2	98	7,013	1	0	2	99
				LCCO	4,784	1	0	2	67	5,153	1	0	2	73	5,218	1	0	2	73
				RCCO	4,784	1	0	2	67	5,153	1	0	2	73	5,218	1	0	2	73
P4	20	1400	92W	T1S	9,791	2	0	2	106	10,547	2	0	2	115	10,681	2	0	2	116
				T2S	9,780	2	0	2	106	10,536	2	0	2	115	10,669	2	0	2	116
				T2M	9,831	2	0	2	107	10,590	2	0	2	115	10,724	2	0	2	117
				T3S	9,521	2	0	2	103	10,256	2	0	2	111	10,386	2	0	2	113
				T3M	9,807	2	0	2	107	10,565	2	0	2	115	10,698	2	0	2	116
				T4M	9,594	2	0	2	104	10,335	2	0	3	112	10,466	2	0	3	114
				TFTM	9,801	2	0	2	107	10,558	2	0	2	115	10,692	2	0	2	116
				T5VS	10,193	3	0	1	111	10,981	3	0	1	119	11,120	3	0	1	121
				T5S	10,201	3	0	1	111	10,990	3	0	1	119	11,129	3	0	1	121
				T5M	10,176	4	0	2	111	10,962	4	0	2	119	11,101	4	0	2	121
				T5W	10,254	4	0	3	111	11,047	4	0	3	120	11,186	4	0	3	122
				BLC	8,036	1	0	2	87	8,656	1	0	2	94	8,766	1	0	2	95
				LCCO	5,979	1	0	2	65	6,441	1	0	2	70	6,523	1	0	3	71
					5,979	1	0	2	65	6,441	1	0	2	70	6,523	1	0	3	71

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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics

Power Package	LED Count	Drive Current	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P5	40	700	89W	T1S	10,831	2	0	2	122	11,668	2	0	2	131	11,816	2	0	2	133
				T2S	10,820	2	0	2	122	11,656	2	0	2	131	11,803	2	0	2	133
				T2M	10,876	2	0	2	122	11,716	2	0	2	132	11,864	2	0	2	133
				T3S	10,532	2	0	2	118	11,346	2	0	2	127	11,490	2	0	2	129
				T3M	10,849	2	0	2	122	11,687	2	0	2	131	11,835	2	0	2	133
				T4M	10,613	2	0	3	119	11,434	2	0	3	128	11,578	2	0	3	130
				TFTM	10,842	2	0	2	122	11,680	2	0	2	131	11,828	2	0	2	133
				T5VS	11,276	3	0	1	127	12,148	3	0	1	136	12,302	3	0	1	138
				T5S	11,286	3	0	1	127	12,158	3	0	1	137	12,312	3	0	1	138
				T5M	11,257	4	0	2	126	12,127	4	0	2	136	12,280	4	0	2	138
				T5W	11,344	4	0	3	127	12,221	4	0	3	137	12,375	4	0	3	139
				BLC	8,890	1	0	2	100	9,576	1	0	2	108	9,698	1	0	2	109
				LCCO	6,615	1	0	3	74	7,126	1	0	3	80	7,216	1	0	3	81
				RCCO	6,615	1	0	3	74	7,126	1	0	3	80	7,216	1	0	3	81
P6	40	1050	134W	T1S	14,805	3	0	3	110	15,949	3	0	3	119	16,151	3	0	3	121
				T2S	14,789	3	0	3	110	15,932	3	0	3	119	16,134	3	0	3	120
				T2M	14,865	3	0	3	111	16,014	3	0	3	120	16,217	3	0	3	121
				T3S	14,396	3	0	3	107	15,509	3	0	3	116	15,705	3	0	3	117
				T3M	14,829	2	0	3	111	15,975	3	0	3	119	16,177	3	0	3	121
				T4M	14,507	2	0	3	108	15,628	3	0	3	117	15,826	3	0	3	118
				TFTM	14,820	2	0	3	111	15,965	3	0	3	119	16,167	3	0	3	121
				T5VS	15,413	4	0	1	115	16,604	4	0	1	124	16,815	4	0	1	125
				T5S	15,426	3	0	1	115	16,618	4	0	1	124	16,828	4	0	1	126
				T5M	15,387	4	0	2	115	16,576	4	0	2	124	16,786	4	0	2	125
				T5W	15,506	4	0	3	116	16,704	4	0	3	125	16,915	4	0	3	126
				BLC	12,151	1	0	2	91	13,090	1	0	2	98	13,255	1	0	2	99
				LCCO	9,041	1	0	3	67	9,740	1	0	3	73	9,863	1	0	3	74
				RCCO	9,041	1	0	3	67	9,740	1	0	3	73	9,863	1	0	3	74
P7	40	1300	166W	T1S	17,023	3	0	3	103	18,338	3	0	3	110	18,570	3	0	3	112
				T2S	17,005	3	0	3	102	18,319	3	0	3	110	18,551	3	0	3	112
				T2M	17,092	3	0	3	103	18,413	3	0	3	111	18,646	3	0	3	112
				T3S	16,553	3	0	3	100	17,832	3	0	3	107	18,058	3	0	3	109
				T3M	17,051	3	0	3	103	18,369	3	0	3	111	18,601	3	0	3	112
				T4M	16,681	3	0	3	100	17,969	3	0	3	108	18,197	3	0	3	110
				TFTM	17,040	3	0	3	103	18,357	3	0	4	111	18,590	3	0	4	112
				T5VS	17,723	4	0	1	107	19,092	4	0	1	115	19,334	4	0	1	116
				T5S	17,737	4	0	2	107	19,108	4	0	2	115	19,349	4	0	2	117
				T5M	17,692	4	0	2	107	19,059	4	0	2	115	19,301	4	0	2	116
				T5W	17,829	5	0	3	107	19,207	5	0	3	116	19,450	5	0	3	117
				BLC	13,971	2	0	2	84	15,051	2	0	2	91	15,241	2	0	2	92
				LCCO	10,396	1	0	3	63	11,199	1	0	3	67	11,341	1	0	3	68
					10,396	1	0	3	63	11,199	1	0	3	67	11,341	1	0	3	68

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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Rotated Optics

Power Package	LED Count	Drive Current	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P10	30	530	53W	T1S	6,727	2	0	2	127	7,247	3	0	3	137	7,339	3	0	3	138
				T2S	6,689	3	0	3	126	7,205	3	0	3	136	7,297	3	0	3	138
				T2M	6,809	3	0	3	128	7,336	3	0	3	138	7,428	3	0	3	140
				T3S	6,585	3	0	3	124	7,094	3	0	3	134	7,183	3	0	3	136
				T3M	6,805	3	0	3	128	7,331	3	0	3	138	7,424	3	0	3	140
				T4M	6,677	3	0	3	126	7,193	3	0	3	136	7,284	3	0	3	137
				TFTM	6,850	3	0	3	129	7,379	3	0	3	139	7,472	3	0	3	141
				T5VS	6,898	3	0	0	130	7,431	3	0	0	140	7,525	3	0	0	142
				T5S	6,840	2	0	1	129	7,368	2	0	1	139	7,461	2	0	1	141
				T5M	6,838	3	0	1	129	7,366	3	0	2	139	7,460	3	0	2	141
				T5W	6,777	3	0	2	128	7,300	3	0	2	138	7,393	3	0	2	139
				BLC	5,626	2	0	2	106	6,060	2	0	2	114	6,137	2	0	2	116
				LCCO	4,018	1	0	2	76	4,328	1	0	2	82	4,383	1	0	2	83
				RCCO	4,013	3	0	3	76	4,323	3	0	3	82	4,377	3	0	3	83
P11	30	700	72W	T1S	8,594	3	0	3	119	9,258	3	0	3	129	9,376	3	0	3	130
				T2S	8,545	3	0	3	119	9,205	3	0	3	128	9,322	3	0	3	129
				T2M	8,699	3	0	3	121	9,371	3	0	3	130	9,490	3	0	3	132
				T3S	8,412	3	0	3	117	9,062	3	0	3	126	9,177	3	0	3	127
				T3M	8,694	3	0	3	121	9,366	3	0	3	130	9,484	3	0	3	132
				T4M	8,530	3	0	3	118	9,189	3	0	3	128	9,305	3	0	3	129
				TFTM	8,750	3	0	3	122	9,427	3	0	3	131	9,546	3	0	3	133
				T5VS	8,812	3	0	0	122	9,493	3	0	0	132	9,613	3	0	0	134
				T5S	8,738	3	0	1	121	9,413	3	0	1	131	9,532	3	0	1	132
				T5M	8,736	3	0	2	121	9,411	3	0	2	131	9,530	3	0	2	132
				T5W	8,657	4	0	2	120	9,326	4	0	2	130	9,444	4	0	2	131
				BLC	7,187	3	0	3	100	7,742	3	0	3	108	7,840	3	0	3	109
				LCCO	5,133	1	0	2	71	5,529	1	0	2	77	5,599	1	0	2	78
				RCCO	5,126	3	0	3	71	5,522	3	0	3	77	5,592	3	0	3	78
P12	30	1050	104W	T1S	12,149	3	0	3	117	13,088	3	0	3	126	13,253	3	0	3	127
				T2S	12,079	4	0	4	116	13,012	4	0	4	125	13,177	4	0	4	127
				T2M	12,297	3	0	3	118	13,247	3	0	3	127	13,415	3	0	3	129
				T3S	11,891	4	0	4	114	12,810	4	0	4	123	12,972	4	0	4	125
				T3M	12,290	3	0	3	118	13,239	4	0	4	127	13,407	4	0	4	129
				T4M	12,058	4	0	4	116	12,990	4	0	4	125	13,154	4	0	4	126
				TFTM	12,369	4	0	4	119	13,325	4	0	4	128	13,494	4	0	4	130
				T5VS	12,456	3	0	1	120	13,419	3	0	1	129	13,589	4	0	1	131
				T5S	12,351	3	0	1	119	13,306	3	0	1	128	13,474	3	0	1	130
				T5M	12,349	4	0	2	119	13,303	4	0	2	128	13,471	4	0	2	130
				T5W	12,238	4	0	3	118	13,183	4	0	3	127	13,350	4	0	3	128
				BLC	10,159	3	0	3	98	10,944	3	0	3	105	11,083	3	0	3	107
				LCCO	7,256	1	0	3	70	7,816	1	0	3	75	7,915	1	0	3	76
				RCCO	7,246	3	0	3	70	7,806	4	0	4	75	7,905	4	0	4	76
P13	30	1300	128W	T1S	14,438	3	0	3	113	15,554	3	0	3	122	15,751	3	0	3	123
				T2S	14,355	4	0	4	112	15,465	4	0	4	121	15,660	4	0	4	122
				T2M	14,614	3	0	3	114	15,744	4	0	4	123	15,943	4	0	4	125
				T3S	14,132	4	0	4	110	15,224	4	0	4	119	15,417	4	0	4	120
				T3M	14,606	4	0	4	114	15,735	4	0	4	123	15,934	4	0	4	124
				T4M	14,330	4	0	4	112	15,438	4	0	4	121	15,633	4	0	4	122
				TFTM	14,701	4	0	4	115	15,836	4	0	4	124	16,037	4	0	4	125
				T5VS	14,804	4	0	1	116	15,948	4	0	1	125	16,150	4	0	1	126
				T5S	14,679	3	0	1	115	15,814	3	0	1	124	16,014	3	0	1	125
				T5M	14,676	4	0	2	115	15,810	4	0	2	124	16,010	4	0	2	125
				T5W	14,544	4	0	3	114	15,668	4	0	3	122	15,866	4	0	3	124
				BLC	7919	3	0	3	62	8531	3	0	3	67	8639	3	0	3	67
				LCCO	5145	1	0	2	40	5543	1	0	2	43	5613	1	0	2	44
					5139	3	0	3	40	5536	3	0	3	43	5606	3	0	3	44

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A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background[1]

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 0 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and pedestrian areas.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (0.95 ft^2) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K or 5000 K (70 CRI) configurations. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The DSX0 LED area luminaire has a number of control options. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with on-board photocells feature field-adjustable programing and are suitable for mounting heights up to 30 feet.

nLIGHT AIR CONTROLS

The DSX0 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 0 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 0 utilizes the AERIS™ series pole drilling pattern (template #8). Optional terminal block and NEMA photocontrol receptacle are also available.

LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/resources/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

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WPX LED
Wall Packs

Catalog Number

Notes

Type

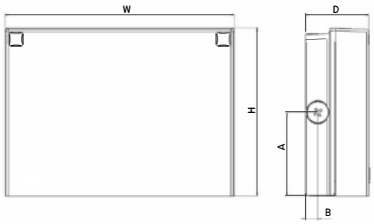
Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The WPX LED wall packs are energy-efficient, cost-effective, and aesthetically appealing solutions for both HID wall pack replacement and new construction opportunities. Available in three sizes, the WPX family delivers 1,550 to 9,200 lumens with a wide, uniform distribution.

The WPX full cut-off solutions fully cover the footprint of the HID glass wall packs that they replace, providing a neat installation and an upgraded appearance. Reliable IP66 construction and excellent LED lumen maintenance ensure a long service life. Photocell and emergency egress battery options make WPX ideal for every wall mounted lighting application.

Specifications



Front View Side View

Luminaire	Height (H)	Width (W)	Depth (D)	Side Conduit Location		Weight
				A	B	
WPX1	8.1" (20.6 cm)	11.1" (28.3 cm)	3.2" (8.1 cm)	4.0" (10.3 cm)	0.6" (1.6 cm)	6.1 lbs (2.8kg)
WPX2	9.1" (23.1 cm)	12.3" (31.1 cm)	4.1" (10.5 cm)	4.5" (11.5 cm)	0.7" (1.7 cm)	8.2 lbs (3.7kg)
WPX3	9.5" (24.1 cm)	13.0" (33.0 cm)	5.5" (13.7 cm)	4.7" (12.0 cm)	0.7" (1.7 cm)	11.0 lbs (5.0kg)

Ordering Information

EXAMPLE: WPX2 LED 40K MVOLT DDBXD

Series		Color Temperature		Voltage		Options		Finish	
WPX1 LED P1	1,550 Lumens, 11W [1]	30K	3000K	MVOLT	120V - 277V	(blank)	None	DDBXD	Dark bronze
WPX1 LED P2	2,900 Lumens, 24W	40K	4000K	347	347V [3]	E4WH	Emergency battery backup, CEC compliant (4W, 0°C min) [2]	DWHXD	White
WPX2 LED	6,000 Lumens, 47W	50K	5000K			E14WC	Emergency battery backup, CEC compliant (14W, -20°C min) [2]	DBLXD	Black
WPX3 LED	9,200 Lumens, 69W					PE	Photocell [3]	Note : For other options, consult factory.	

Note: The lumen output and input power shown in the ordering tree are average representations of all configuration options. Specific values are available on request.

NOTES

1. All WPX wall packs come with 6kV surge protection standard, except WPX1 LED P1 package which comes with 2.5kV surge protection standard. Add SPD6KV option to get WPX1 LED P1 with 6kV surge protection.
   Sample nomenclature: WPX1 LED P1 40K MVOLT SPD6KV DDBXD
2. Battery pack options only available on WPX1 and WPX2.
3. Battery pack options not available with 347V and PE options.

FEATURES & SPECIFICATIONS

INTENDED USE
The WPX LED wall packs are designed to provide a cost-effective, energy-efficient solution for the one-for-one replacement of existing HID wall packs. The WPX1, WPX2 and WPX3 are ideal for replacing up to 150W, 250W, and 400W HID luminaires respectively. WPX luminaires deliver a uniform, wide distribution.

CONSTRUCTION
WPX feature a die-cast aluminum main body with optimal thermal management that both enhances LED efficacy and extends component life. The luminaires are IP66 rated, and sealed against moisture or environmental contaminants.

ELECTRICAL
Light engine(s) configurations consist of high-efficacy LEDs and LED lumen maintenance of L90/100,000 hours. Color temperature (CCT) options of 3000K, 4000K and 5000K with minimum CRI of 70. Electronic drivers ensure system power factor >90% and THD <20%. All luminaires have 6kV surge protection (Note: WPX1 LED P1 package comes with a standard surge protection rating of 2.5kV. It can be ordered with an optional 6kV surge protection).
All photocell (PE) operate on MVOLT (120V - 277V) input.

Note: The standard WPX LED wall pack luminaires come with field-adjustable drive current feature. This feature allows tuning the output current of the LED drivers to adjust the lumen output (to dim the luminaire).

INSTALLATION
WPX can be mounted directly over a standard electrical junction box. Three 1/2 inch conduit ports on three sides allow for surface conduit wiring. A port on the back surface allows poke-through conduit wiring on surfaces that don't have an electrical junction box. Wiring can be made in the integral wiring compartment in all cases. WPX is only recommended for installations with LEDs facing downwards.

LISTINGS
CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. IP66 Rated. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified. International Dark Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY
5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.

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Performance Data

Electrical Load

Luminaire	Input Power (W)	120V	208V	240V	277V	347V
WPX1 LED P1	11W	0.09	0.05	0.05	0.04	0.03
WPX1 LED P2	24W	0.20	0.12	0.10	0.09	0.07
WPX2	47W	0.39	0.23	0.20	0.17	0.14
WPX3	69W	0.58	0.33	0.29	0.25	0.20

Projected LED Lumen Maintenance

Data references the extrapolated performance projections in a 25°C ambient, based on 6,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.94	>0.92	>0.90

HID Replacement Guide

Luminaire	Equivalent HID Lamp	WPX Input Power
WPX1 LED P1	100W	11W
WPX1 LED P2	150W	24W
WPX2	250W	47W
WPX3	400W	69W

Lumen Output

Luminaire	Color Temperature	Lumen Output
WPX1 LED P1	3000K	1,537
	4000K	1,568
	5000K	1,602
WPX1 LED P2	3000K	2,748
	4000K	2,912
	5000K	2,954
WPX2	3000K	5,719
	4000K	5,896
	5000K	6,201
WPX3	3000K	8,984
	4000K	9,269
	5000K	9,393

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Emergency Egress Battery Packs

The emergency battery backup is integral to the luminaire — no external housing or back box is required. The emergency battery will power the luminaire for a minimum duration of 90 minutes and deliver minimum initial output of 550 lumens. Both battery pack options are CEC compliant.

Battery Type	Minimum Temperature Rating	Power (Watts)	Controls Option	Ordering Example
Standard	0°C	4W	E4WH	WPX2 LED 40K MVOLT **E4WH** DDBXD
Cold Weather	-20°C	14W	E14WC	WPX2 LED 40K MVOLT **E14WC** DDBXD

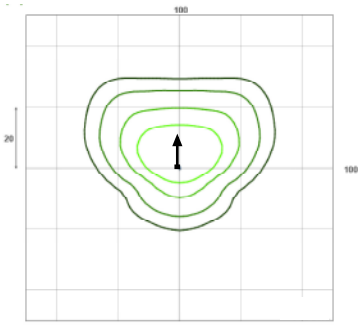
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WPX LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards

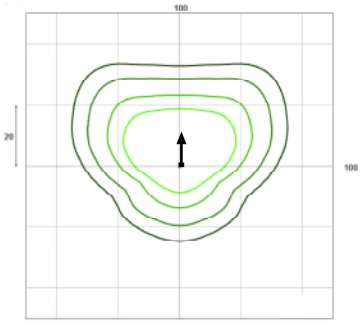
LEGEND

- 0.1 fc
- 0.2 fc
- 0.5 fc
- 1.0 fc

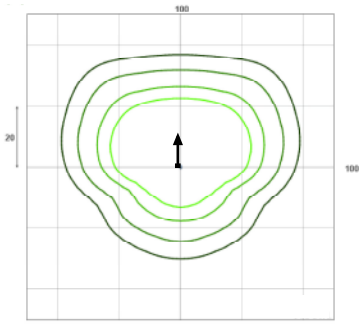
WPX1 LED P1



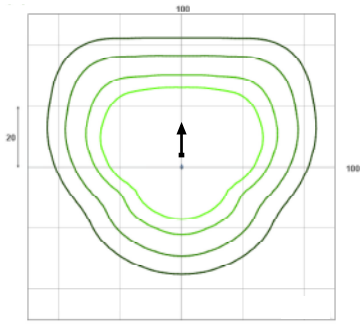
WPX1 LED P2



WPX2 LED



WPX3 LED



Mounting Height = 12 Feet.

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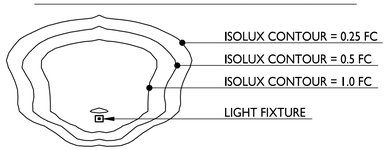
STATISTICS

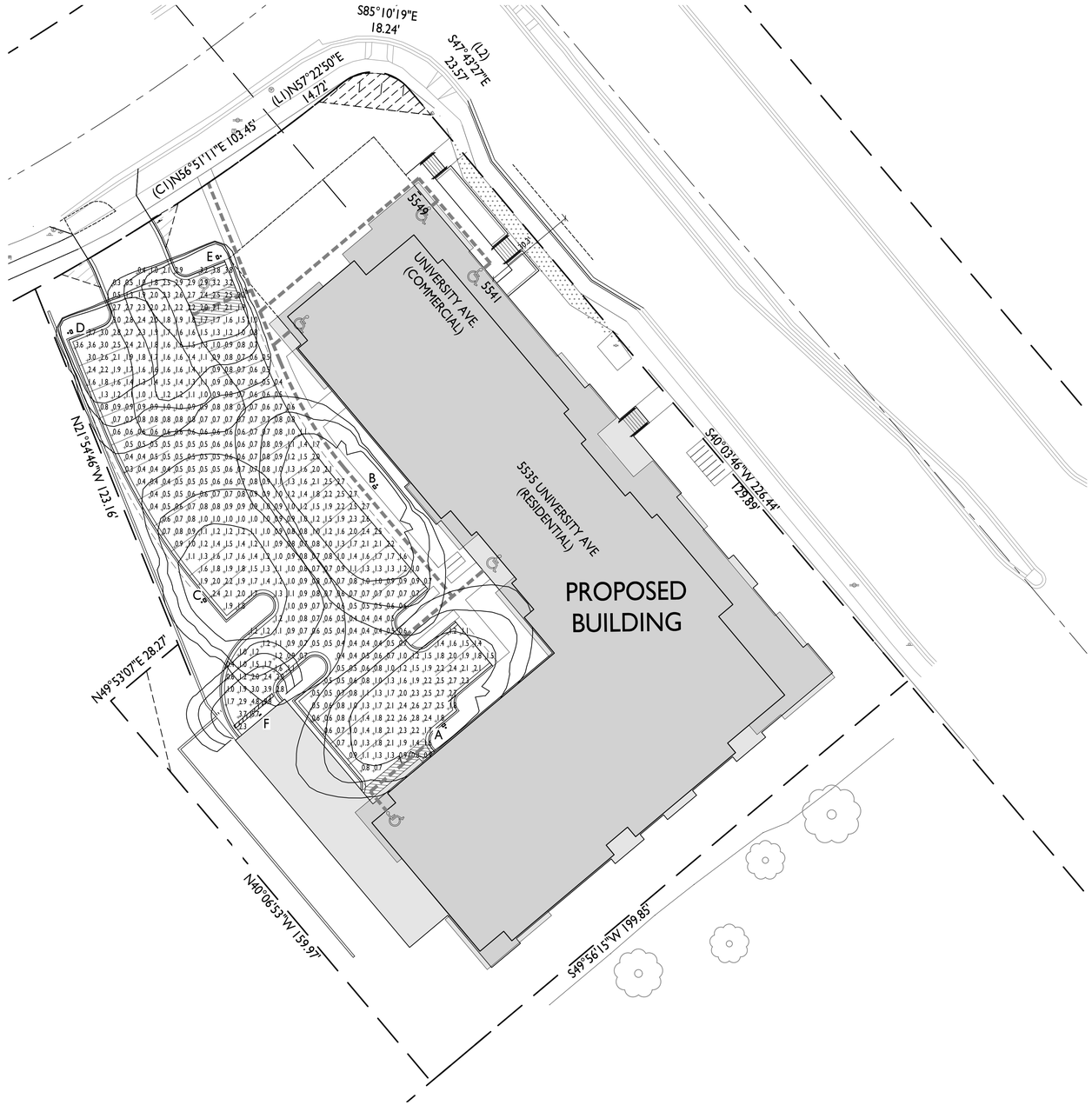
DESCRIPTION	SYMBOL	AVG.	MAX.	MIN.	MAX. / MIN.	AVG. / MIN.
Parking Area Lighting	+	1.3 fc	3.8 fc	0.3 fc	12.7:1	4.3:1
Parking Garage Entry Security Lighting	+	2.4 fc	5.8 fc	0.4 fc	14.5:1	6.0:1

LUMINAIRE SCHEDULE

SYMBOL	LABEL	QTY.	MANUF.	CATALOG	DESCRIPTION	FILE	MOUNTING
	A	1	LITHONIA LIGHTING	DSX0 LED P1 30K BLC MVOLT	DSX0 LED P1 30K BLC MVOLT	DSX0_LED_P1_30K _BLC_MVOLT.ies	14'-0" POLE ON 2'-0" TALL CONC. BASE
	B	1	LITHONIA LIGHTING	DSX0 LED P1 30K BLC MVOLT	DSX0 LED P1 30K BLC MVOLT	DSX0_LED_P1_30K _BLC_MVOLT.ies	16'-0" POLE ON FLUSH CONC. BASE
	C	1	LITHONIA LIGHTING	DSX0 LED P1 30K T4M MVOLT HS	DSX0 LED P1 30K T4M MVOLT WITH HOUSE SIDE SHIELD	DSX0_LED_P1_30K _T4M_MVOLT_HS.ies	14'-0" POLE ON 2'-0" TALL CONC. BASE
	D	1	LITHONIA LIGHTING	DSX0 LED P1 30K LCCO MVOLT	DSX0 LED P1 30K LCCO MVOLT	DSX0_LED_P1_30K _LCCO_MVOLT.ies	14'-0" POLE ON 2'-0" TALL CONC. BASE
	E	1	LITHONIA LIGHTING	DSX0 LED P1 30K RCCO MVOLT	DSX0 LED P1 30K RCCO MVOLT	DSX0_LED_P1_30K _RCCO_MVOLT.ies	14'-0" POLE ON 2'-0" TALL CONC. BASE
	F		LITHONIA LIGHTING	WPX1 LED P1 30K MVOLT	WPX1 LED WALLPACK, 1500lm, 3000K COLOR TEMPERATURE, 120-277 VOLTS	WPX1_LED_P1_30K _MVOLT.ies	8'-0" ABOVE GRADE ON BUILDING

EXAMPLE LIGHT FIXTURE DISTRIBUTION





1 C-1.2 SITE LIGHTING PLAN
1" = 20'-0"

GRAPHIC SCALE
0 20 40 60
(IN FEET)
1 INCH = 20 FT (24X36 PAPER)

knothe bruce ARCHITECTS
Phone: 608.836.3690
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ISSUED
Issued for Land Use & UDC - September 5, 2018
Issued for Land Use Supplement - Nov. 2, 2018
Issued for Revision to Previously Approved Plans - April 6, 2020
Issued for Revision to Previously Approved Plans - June 16, 2021

PROJECT TITLE
Mixed-Use Development

5535 University Ave.
Madison, WI
(Residential)

5541, 5545 & 5549
University Ave.
(Commercial)

SHEET TITLE
Site Lighting Plan

SHEET NUMBER
C-1.2

PROJECT NO. 1735

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