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:
Date Received 5/15/23 10:39 a.m.
Paid _____

Initial Submittal
Revised Submittal

Complete all sections of this application, including the desired meeting date and the action requested. If your project requires both UDC and Land Use application submittals, a completed Land Use Application and accompanying submittal materials are also required to be submitted.

If you need an interpreter, translator, materials in alternate formats or other accommodations to access these forms, please call the Planning Division at (608) 266-4635.

Si necesita interprete, traductor, materiales en diferentes formatos, u otro tipo de ayuda para acceder a estos formularios, por favor llame al (608) 266-4635.

Yog tias koj xav tau ib tug neeg txhais lus, tus neeg txhais ntawv, los sis xav tau cov ntaub ntawv ua lwm hom ntawv los sis lwm cov kev pab kom paub txog cov lus qhia no, thov hu rau Koog Npaj (Planning Division) (608) 266-4635.

1. Project Information

Address (list all addresses on the project site): 750 University Row

Title: UW Health 750 University Row Expansion

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

UDC meeting date requested June 28, 2023

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)

Modifications of Height, Area, and Setback

Sign Exceptions as noted in Sec. 31.043(3), MGO

Other

Please specify

_____

4. Applicant, Agent, and Property Owner Information

Applicant name Paul Lenhart
Company University Row Clinic LLC
Street address 749 University Row Ste 101
City/State/Zip Madison, WI 53705
Telephone 608.260.7007
Email plenhart@kruppconstruction.com

Project contact person Jenni Eschner
Company Eppstein Uhen Architects
Street address 309 W Johnson St
City/State/Zip Madison WI 53703
Telephone 608.442.6698
Email jennie@eua.com

Property owner (if not applicant) GI Clinic LLC
Street address 749 University Row Ste 101
City/State/Zip Madison WI 53705
Telephone 608.260.7007
Email plenhart@kruppconstruction.com

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. A request for an Informational Presentation to the UDC may be requested prior to seeking any approvals to obtain early feedback and direction before undertaking detailed design efforts. 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 Modification 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

The Urban Design Commission meets virtually via Zoom, typically on the second and fourth Wednesdays of each month at 4:30 p.m. Applicant presentations are strongly encouraged, although not required. Prior to the meeting, each individual speaker is required to complete an online registration form to speak at the meeting. A link to complete the online registration will be provided by staff prior to the meeting. Please note that individual presentations will be limited to a **maximum of three (3) minutes**. The pooling of time may be utilized to provide one speaker more time to present, however the additional time will be based on the number of registrants from the applicant team, i.e. two (2) applicant registrants = six (6) minutes for one (1) speaker.

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. Please note that presentation slides, in a PDF file format, are required to be submitted **the Friday before** the UDC meeting.

URBAN DESIGN DEVELOPMENT PLANS CHECKLIST

UDC

The items listed below are minimum 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, including material and color 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
- ☑ 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)
- ☑ Site Plan showing site amenities, fencing, trash, bike parking, etc. (if applicable)
- ☑ PD text and Letter of Intent (if applicable)
- ☑ Samples of the exterior building materials
- ☑ Proposed sign areas and types (if applicable)

4. Signage Approval *(Comprehensive Design Review (CDR), Sign Modifications, and Sign Exceptions (per Sec. 31.043(3))*

- ☐ Locator Map
- ☐ Letter of Intent (a summary of how the proposed signage is consistent with the CDR or Signage Modifications 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

5. Required Submittal Materials

☑ **Application Form**

- 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.

☑ **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 Comprehensive Design Review (CDR) or Signage Modification review criteria is required.

☑ **Development Plans** (Refer to checklist on Page 4 for plan details)

☑ **Filing Fee** (Refer to Section 7 (below) for a list of application fees by request type)

☐ **Electronic Submittal**

- Complete electronic submittals must be received prior to the application deadline before an application will be scheduled for a UDC meeting. Late materials will not be accepted. All plans must be legible and scalable when reduced. Individual PDF files of each item submitted should be submitted via email to UDCapplications@cityofmadison.com. The email must include the project address, project name, and applicant name.
- Email Size Limits. Note that an individual email cannot exceed 20MB and it is the responsibility of the applicant to present files in a manner that can be accepted. Applicants who are unable to provide the materials electronically should contact the Planning Division at (608) 266-4635 for assistance.

☑ **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.

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 Tim Parks and Jessica Vaughn on 2/6/2023 & 2/13/2023.

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 Paul G Lenhart Relationship to property Manager and Member

Authorizing signature of property owner _____ Date 5/3/2023

7. Application Filing Fees

Fee payments are due by the submittal date. Payments received after the submittal deadline may result in the submittal being scheduled for the next application review cycle. Fees may be paid in-person, via US Mail, or City drop box. If mailed, please mail to: *City of Madison Building Inspection, P.O. Box 2984, Madison, WI 53701-2984*. The City's drop box is located outside the Municipal Building at 215 Martin Luther King, Jr. Blvd. on the E Doty Street side of the building. Please make checks payable to *City Treasurer*, and include a completed application form or cover letter indicating the project location and applicant information with all checks mailed or submitted via the City's drop box.

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

☐ Urban Design Districts: $350 *(per §33.24(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 Sign Modifications (of 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

Letter of Intent

Please consider this our formal Letter of Intent for the land use application and to pursue an Amendment to the General Development Plan and Specific Implementation Plan in the Planned Unit Development (PUD-GDP-SIP), previous PUD-GDP-SIP dated January 24, 2012.

- Existing PUD-GDP-SIP drawing set dated January 24, 2012, is attached for reference.

Project Name:

UW Health 750 University Row Expansion

Parcel Location:

750 University Row
Madison, WI 53705

Applicant:

University Row Clinic, LLC
749 University Row, Suite 101
Madison, WI 53705
Paul G. Lenhart
608-260-7007
plenhart@kruppconstruction.com

Landowner:

GI Clinic, LLC
749 University Row, Suite 101
Madison, WI 53705
Paul G. Lenhart
608-260-7007
plenhart@kruppconstruction.com

Architect:

Eppstein Uhen Architects
309 W Johnson Street, Suite 202
Madison, WI 53703
Rob Beisenstein, AIA, LEED AP
414-291-8145
robb@eua.com

Civil Engineer:

D'Onofrio, Kottke and Associates
7530 Westward Way
Madison, WI 53717
Dan Day, PE
608-833-7530
dday@donofrio.cc

Landscape Architect:

Ken Saiki Design
1110 S. Park Street
Madison, WI 53715
Rebecca DeBoer
608-251-3600
rdeboer@saiki.design.com

Contractor:

Krupp General Contractors
749 University Row, Suite 101
Madison, WI 53705
Dietmar Bassuner
608-347-2759
Dietmar.bassuner@kruppconstruction.com

Proposed Building Occupant:

UW Health
600 Highland Avenue
Madison, WI 53792-8360
Michael McKay
608-422-8396
mmckay@uwhealth.org

The existing 67,292 SF UW Health, Digestive Health Center (DHC), is a 3-story outpatient clinic building located at 750 University Row. The lowest level of the DHC building includes parking, clinical support spaces, and building support spaces. The main entrance is located on the southeast end of the building, facing south to the surface parking lot, and is accessed from a driveway that runs between the building and the surface parking lot.

The proposed building expansion is comprised of a 3 ½ level, 830 car parking structure adjacent to and below grade (underneath) a 180,000 SF, 4-story outpatient clinic. The first-floor clinical space includes Registration, Lab, Pharmacy, Imaging, Café, and Urgent Care. The second through fourth floors include Specialty Care and Primary Care Clinics. The proposed main building entrance will remain in a similar location and be reoriented to face the primary street, University Row. UW Health will be the single occupant of the expanded building.

During construction, the temporary surface parking areas located on Lots 2 and 3 will be used for staff and patient parking.

Future development at Lots 2 and 3 will consist of a single 4-story multi-family building with covered and surface parking. The proposed multi-family building contemplates 110 units with a parking ratio of 1:1 parking stall per bedroom.

Site:

The University Crossing development is a total of 14.332 acres (624,302 SF).

Lots 1, 2 & 3 are 8.501 acres (370,324 SF). As part of this project the property boundaries of Lots 1, 2 and 3 will be revised via Certified Survey Map (CSM).

- Lot 1 will increase in size to accommodate the footprint of the building addition.
- Lots 2 and 3 will be combined and will be referred to as Lot 2.

The remaining development encompasses the following areas and will remain as configured:

- Lots 4, 5, 6 & 7 at 3.763 acres (163,924 SF)
- Outlot 1 at 0.374 acres (16,281 SF)
- Public roads at 1.694 acres (73,773 SF)

Sustainability:

The expansion of 750 University Row is planning to pursue LEED 4.1 designation and is exploring the following highlights:

- Exploring renewable energy, including solar.
- Central and accessible: Located within ¼ mile walk to six bus lines (the closest bus stop being approximately 200' from main entrance) and within ½ mile walk to a planned BRT stop. This location earns a WalkScore of sixty-seven under the LEED 4.1 rating system.
- The parking garage will provide charging for electric vehicles, ample bike parking for staff and visitors and will be shaded by solar panels.
- The design will incorporate bird collision deterrence concepts, including bird-friendly glazing.
- The design will incorporate vegetated roof areas to aid with stormwater management strategies as well as provide enhanced views.
- Parking will be in a covered structure minimizing rainwater run-off as well as minimizing the use of deicing agents during the winter months.
- The project will account for rainwater collection systems to be used for toilet flushing and landscape irrigation (graywater reuse).
- The project will incorporate low-emitting and low-carbon materials.

Signage:

Concept signage locations for 750 University Row are indicated on the design drawings. Final signage design will be submitted at a future date.

Schedule:

The anticipated occupancy date of 750 University row is expected to be Q1 of 2026.

Transportation:

Bike:

The clinic expansion will include internal bike storage along with showers and lockers to encourage bike use by employees. The existing bike path on the west side of the development will be extend to the building expansion south property line.

A B-Cycle station is currently located at the intersection of University Avenue and University Row.

Transit:

Located within ¼ mile walk to 6 bus lines (the closest being approximately 200' from main entrance) and within ½ mile walk to a planned BRT stop. The location earns a WalkScore of sixty-seven under the LEED 4.1 rating system.

Traffic Study:

A traffic impact analysis has been completed by KL Engineering and was submitted to the City of Madison on February 8, 2023

750 UNIVERSITY ROW EXPANSION





eua UWHealth KRUPP

750 UNIVERSITY ROW EXPANSION

SITE LOCATOR MAP
MAY 15, 2023

A01



eu:a UWHealth KRUPP

750 UNIVERSITY ROW EXPANSION

TEMPORARY PARKING PLAN
MAY 15, 2023

A02

1 MAIN ENTRY

2 PATIENT DROP-OFF / PICK-UP

3 AMBULANCE PICK-UP AND EXTENDED VEHICLE PARKING

4 VISITOR PARKING ENTRY / EXIT

5 DRY DETENTION

6 LOADING DOCK (NEW)

7 STAFF PARKING ENTRY / EXIT

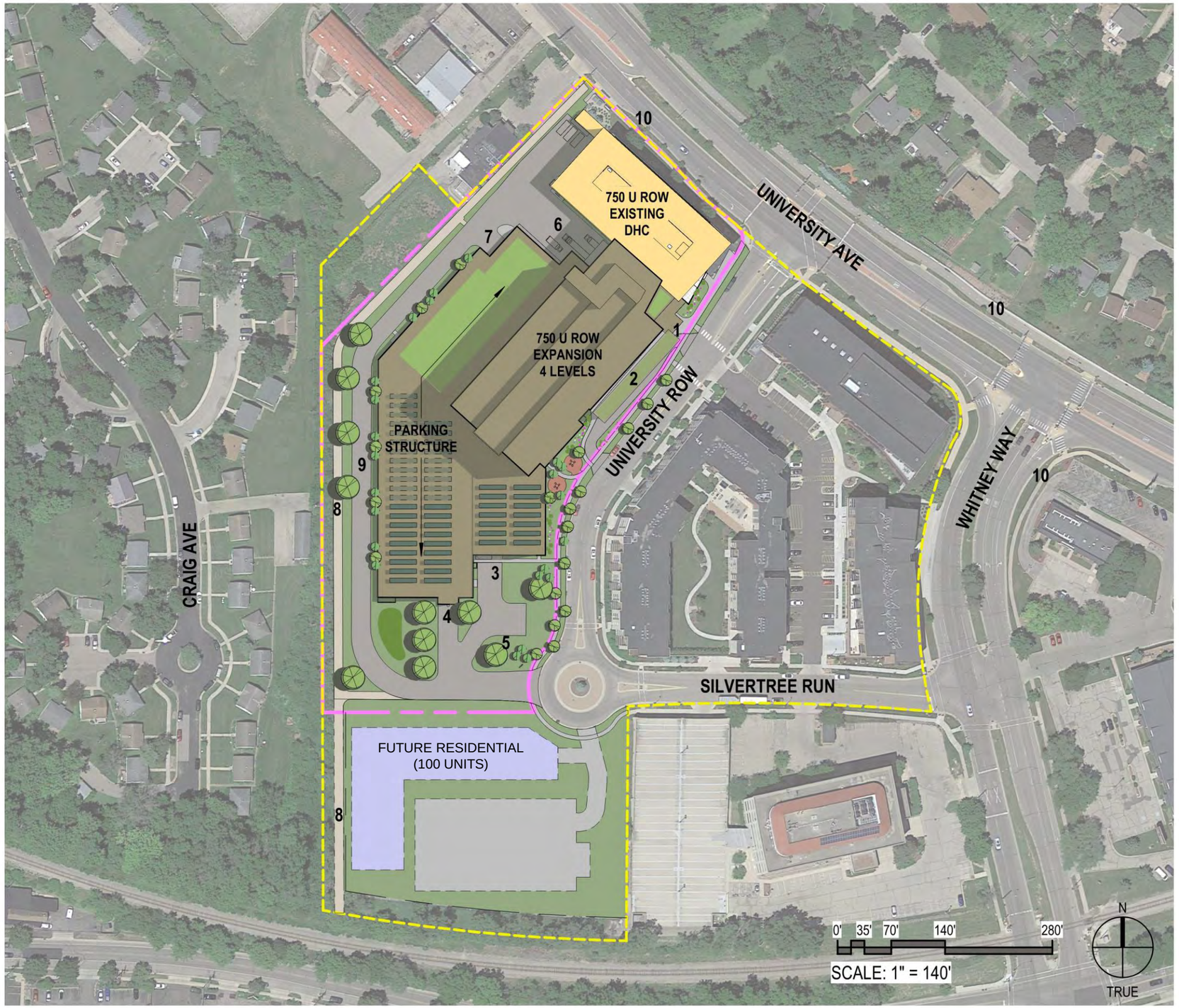
8 BIKE PATH

9 SERVICE DRIVE

10 EXISTING BUS STOP

PUD BOUNDARY

SIP BOUNDARY



BUS ROUTES

BUS STOPS

ROUTE FROM FUTURE BRT STOP AT SHEBOYGAN / EAU CLAIRETO BEGIN 2023

BIKE PATHS

B-CYCLE STATION

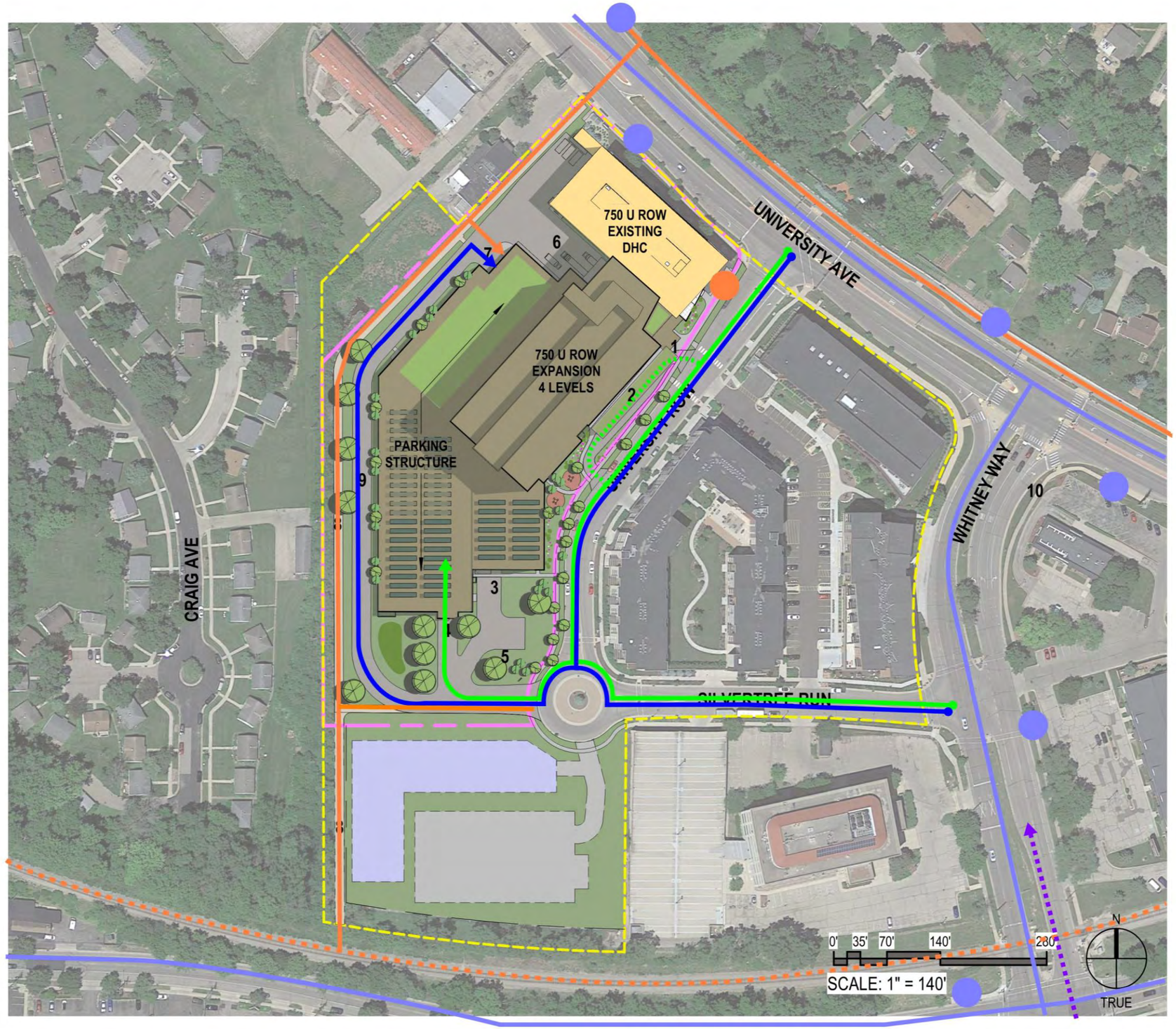
VISITOR/PATIENT VEHICLES

VISITOR DROP-OFF

STAFF VEHICLES

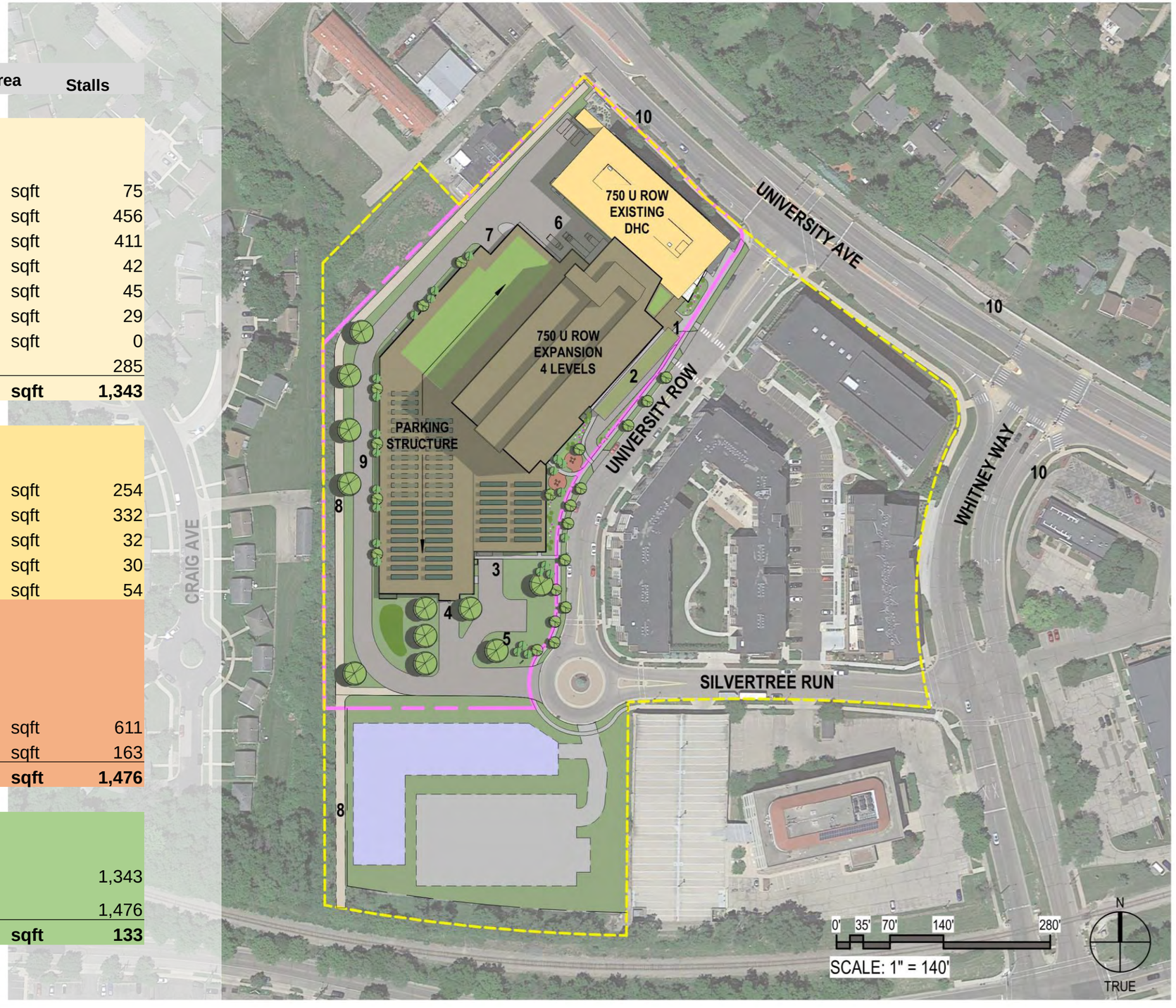
PUD BOUNDARY

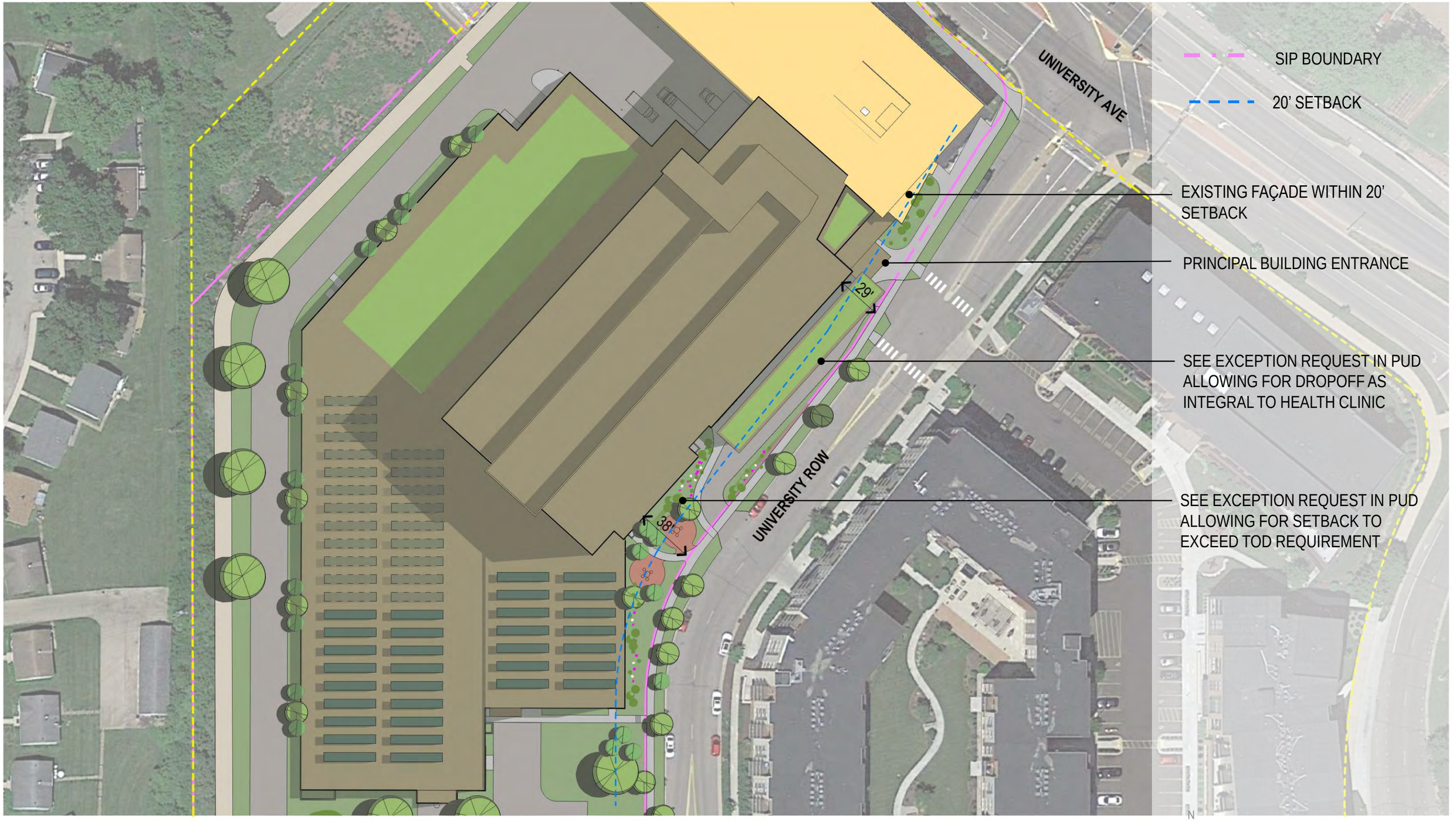
SIP BOUNDARY

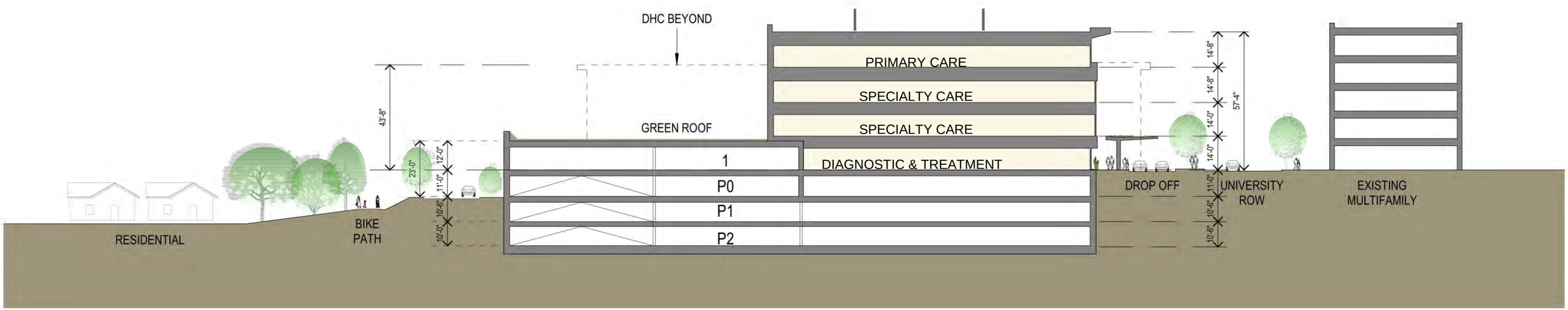


TRANSPORTATION DEMAND

	Use	Height	Building Area		Stalls
Existing per PUD, GDP, SIP dated 2012.01.24					
Building 1	Clinic	3	67,420	sqft	75
Building 1A	Clinic	4	70,000	sqft	456
Building 2	Clinic	3	80,000	sqft	411
Building 3	Non-profit	3	40,000	sqft	42
Building 4	Office/Retail	3	64,000	sqft	45
Building 5	Hotel	6	84,000	sqft	29
Building 6	Residential	4	135,600	sqft	0
Shared Parking	parking				285
TOTAL Proposed			**541,020**	**sqft**	**1,343**
Current State					
750 University Row	Clinic	3	67,292	sqft	254
725 University Row	Residential	5	144,523	sqft	332
749 University Row	Office/Retail	3	65,110	sqft	32
5125 Silvertree Run	Residential	4	59,330	sqft	30
Surface shared	Parking		0	sqft	54
Future State as Proposed within this Submittal					
750 University Row Expansion	Clinic	4	189,000	sqft	611
Lot 2 and 3 Building	Residential	4	145,000	sqft	163
TOTAL Current + Future			**670,255**	**sqft**	**1,476**
Delta Analysis					
Total Existing			541,020		1,343
Total Current + Future			670,255		1,476
DELTA			**129,235**	**sqft**	**133**

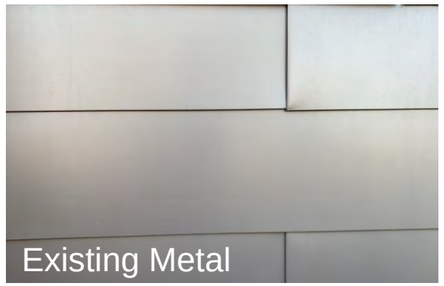



UNIVERSITY AVE
UNIVERSITY ROW
29'
38'
SIP BOUNDARY
20' SETBACK
EXISTING FAÇADE WITHIN 20' SETBACK
PRINCIPAL BUILDING ENTRANCE
SEE EXCEPTION REQUEST IN PUD ALLOWING FOR DROPOFF AS INTEGRAL TO HEALTH CLINIC
SEE EXCEPTION REQUEST IN PUD ALLOWING FOR SETBACK TO EXCEED TOD REQUIREMENT
N
TRUE
0' 15' 30' 60' 120'
SCALE: 1" = 60'


DHC BEYOND
PRIMARY CARE
SPECIALTY CARE
SPECIALTY CARE
GREEN ROOF
DIAGNOSTIC & TREATMENT
1
P0
P1
P2
43'-8"
23'-0"
12'-0"
11'-0"
10'-6"
10'-0"
14'-8"
14'-8"
14'-0"
14'-0"
57'-4"
11'-0"
10'-6"
10'-6"
RESIDENTIAL
BIKE PATH
DROP OFF
UNIVERSITY ROW
EXISTING MULTIFAMILY


Existing Glass/Mullion


Existing Brick


Existing Metal


Existing Calcium Silicate


750




UWHealth
UWHealth
UWHealth


UNIVERSITY CROSSING
5102 SILVERTREE RUN
UTILITY WORK AHEAD


OFFICES
610 N WHITNEY WAY


OFFICES
749 UNIVERSITY AVENUE
749


UNIVERSITY ROW APARTMENTS
725 UNIVERSITY ROW
STOP
725
UNIVERSITY ROW


LOT 3
SILVERTREE RUN & UNIVERSITY ROW


HARBOR VIEW APARTMENTS
5265 UNIVERSITY AVENUE


SPRING HARBOR ANIMAL HOSPITAL
5129 UNIVERSITY AVENUE


MIDAS
5201 UNIVERSITY AVENUE
MIDAS
MIDAS
AUTO SERVICE EXPERTS



eu:a UWHealth KRUPP

750 UNIVERSITY ROW EXPANSION

PROPOSED AERIAL RENDERING
MAY 15, 2023

A11



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750 UNIVERSITY ROW EXPANSION

PROPOSED AERIAL RENDERING
MAY 15, 2023

A12


UWHealth
UWHealth
UWHealth
UWHealth
University
University Row
UNIVERSITY ROW
UWHealth



eu:a UWHealth KRUPP

750 UNIVERSITY ROW EXPANSION

PROPOSED CONCEPTUAL RENDERING

MAY 15, 2023



eu:a UWHealth KRUPP

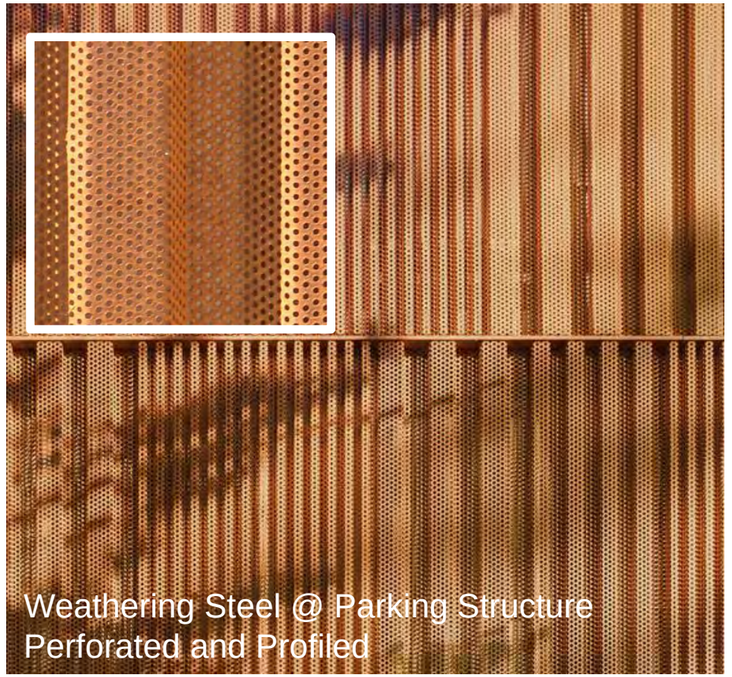
750 UNIVERSITY ROW EXPANSION

PROPOSED CONCEPTUAL RENDERING
MAY 15, 2023

A15




Brick
Endicott Coppertone


Weathering Steel @ Parking Structure
Perforated and Profiled

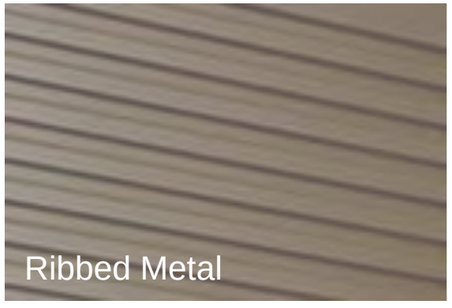


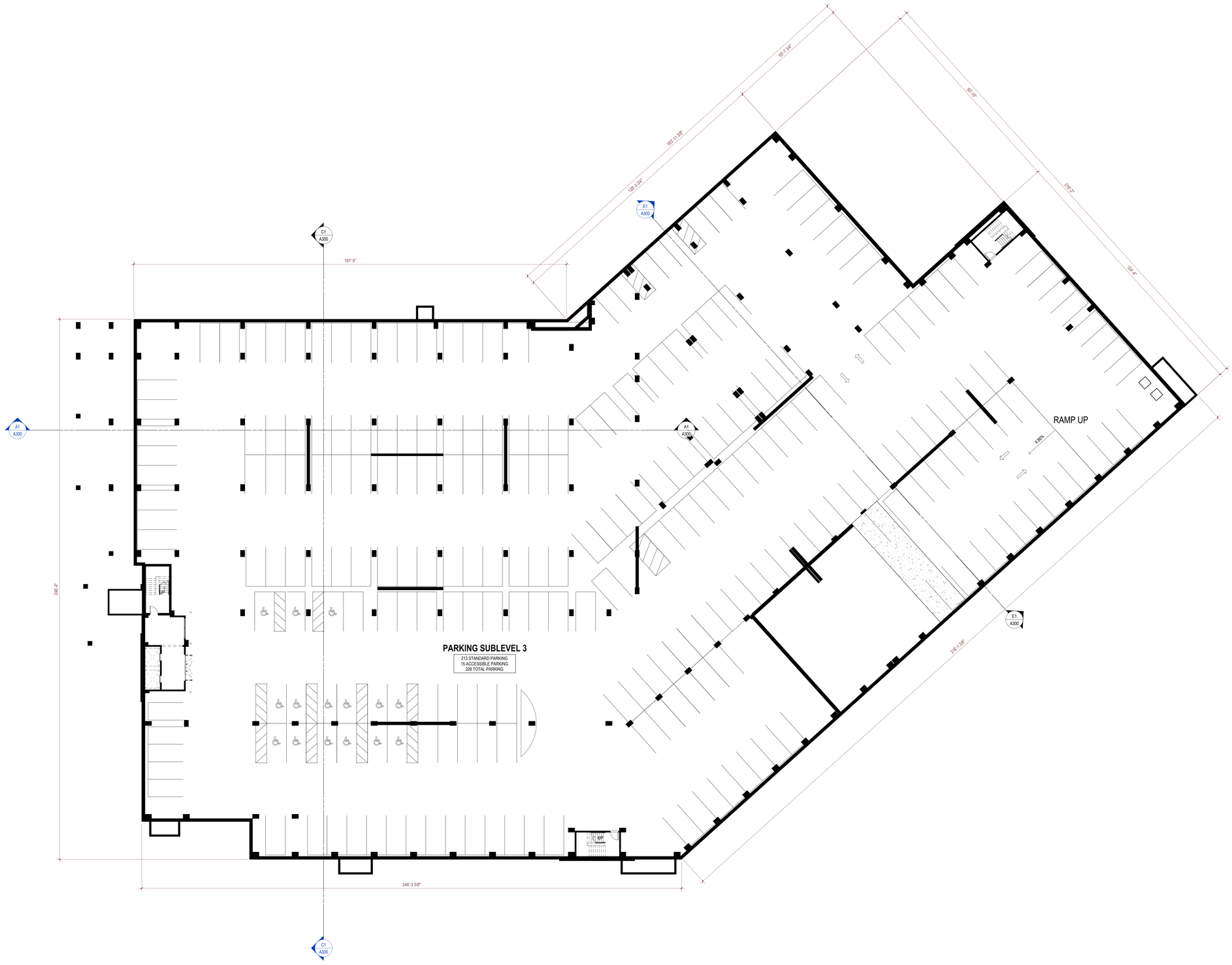

Soffit
Penshaw Cherry




Calcium
Silicate/Glass


Metal


Ribbed Metal



A1 PARKING SUBLEVEL 3
1/16" = 1'-0"

0' 4' 8' 16' 32'
SCALE: 1/16" = 1'-0"

milwaukee | madison | green bay | denver | atlanta

333 East Chicago Street
Milwaukee, WI 53202
(414) 271-5350
www.eua.com

Project Manager Rob Beisenstein
DIRECT PHONE: 414-291-8145
EMAIL ADDRESS: robb@eua.com

UW Health

KRUPP GENERAL CONTRACTORS

Affiliated Engineers

PIERCE ENGINEERS, INC.

PROJECT INFORMATION

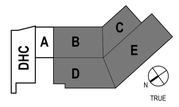
750 UNIVERSITY ROW EXPANSION

750 University Row
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
05/15/2023	UDC & LAND USE

KEY PLAN



SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

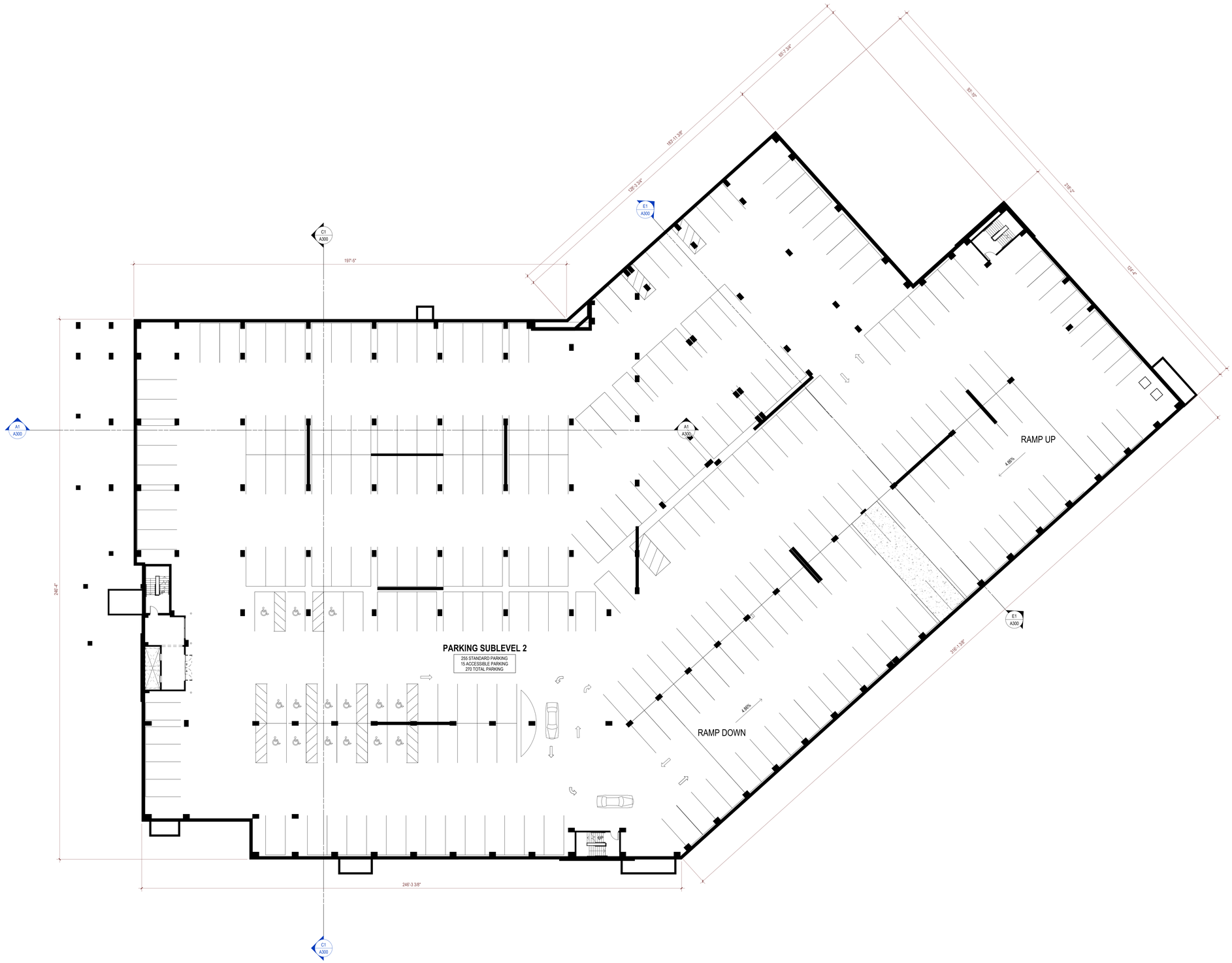
PROJECT MANAGER	RB
PROJECT NUMBER	422291

OVERALL P3 FLR PLAN

AP1P3

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1 2 3 4 5 6 7 8



A1 PARKING SUBLEVEL 2
1/16" = 1'-0"

0' 4' 8' 16' 32'

SCALE: 1/16" = 1'-0"

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Project Manager Rob Beisenstein
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EMAIL ADDRESS: robb@eua.com

UW Health

KRUPP GENERAL CONTRACTORS

Affiliated Engineers

PIERCE ENGINEERS, INC.

PROJECT INFORMATION

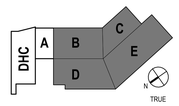
750 UNIVERSITY ROW EXPANSION

750 University Row
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
05/15/2023	UDC & LAND USE

KEY PLAN



SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER RB

PROJECT NUMBER 422291

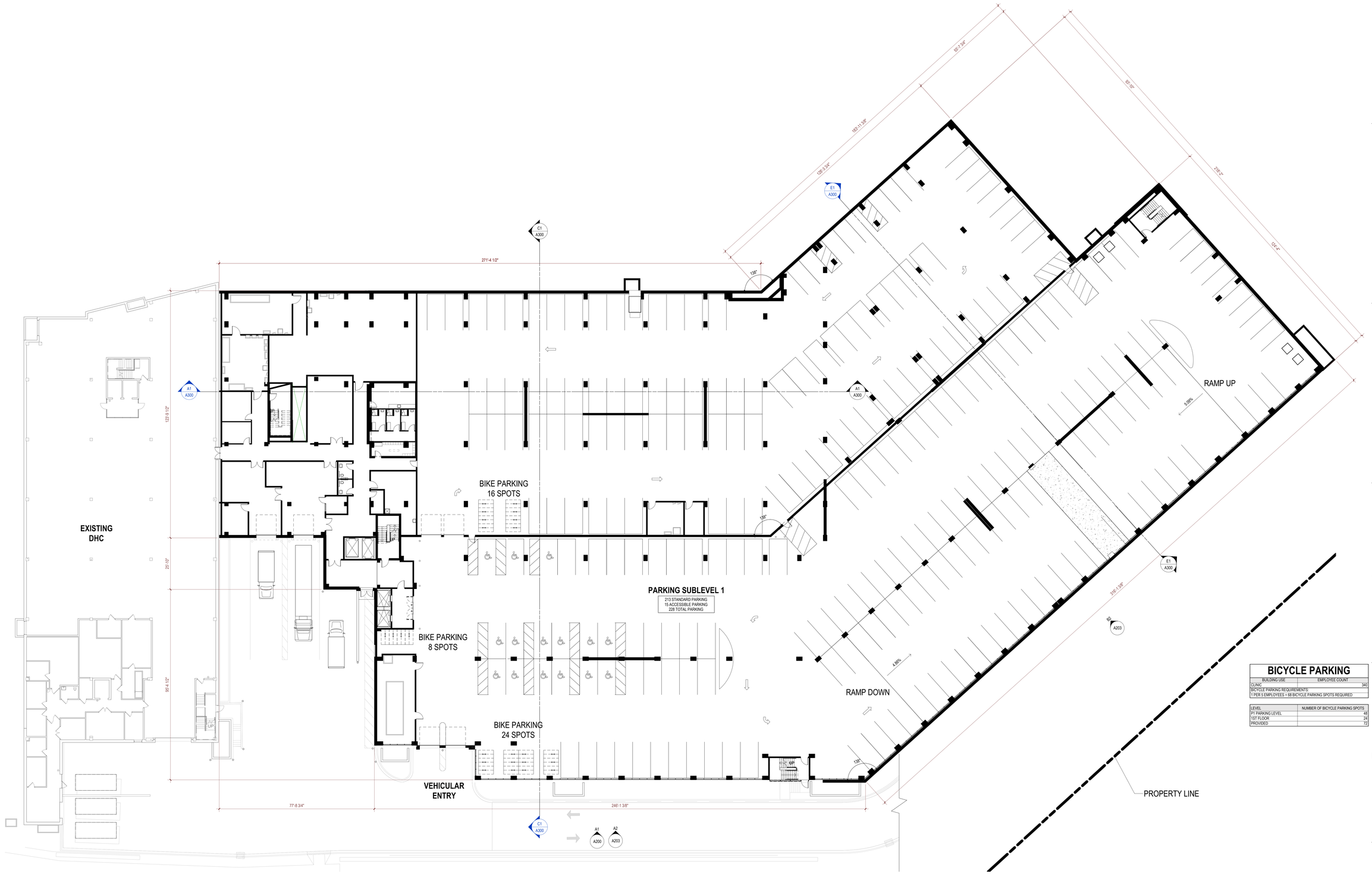
OVERALL P2 FLR PLAN

AP1P2

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1 2 3 4 5 6 7 8

F E D C B A



BICYCLE PARKING

BUILDING USE	EMPLOYEE COUNT
CLINIC	340
BICYCLE PARKING REQUIREMENTS:	
1 PER 5 EMPLOYEES = 68 BICYCLE PARKING SPOTS REQUIRED	

LEVEL	NUMBER OF BICYCLE PARKING SPOTS
P1 PARKING LEVEL	48
1ST FLOOR	24
PROVIDED	72

A1 OVERALL FLOOR PLAN - P1
1/16" = 1'-0"

0' 4' 8' 16' 32'
SCALE: 1/16" = 1'-0"

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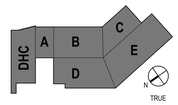
750 UNIVERSITY ROW EXPANSION

750 University Row
Madison, WI 53705

ISSUANCE AND REVISIONS

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05/15/2023	UDC & LAND USE

KEY PLAN



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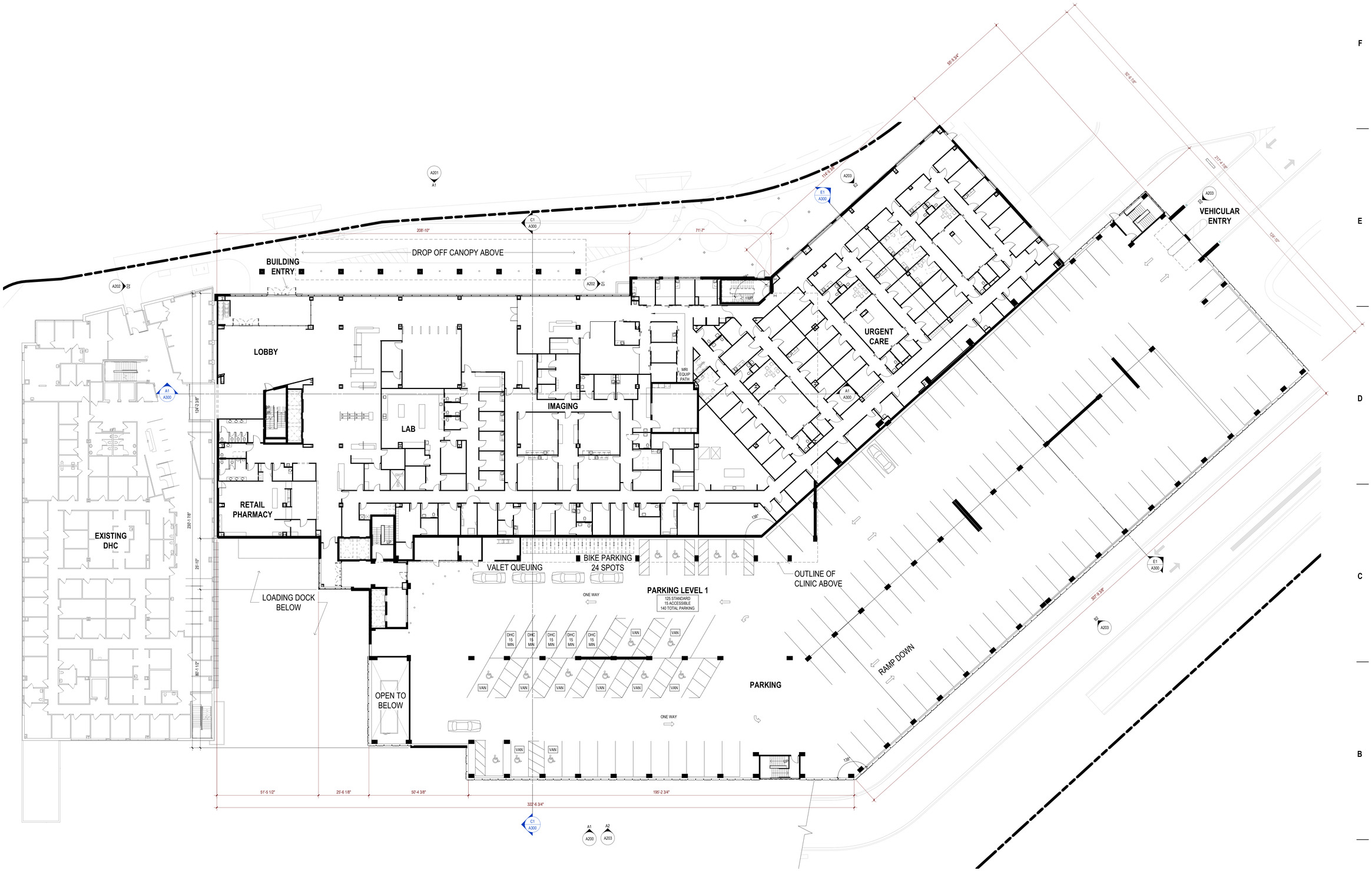
PROJECT MANAGER	RB
PROJECT NUMBER	422291

OVERALL P1 FLR PLAN

AP1P1

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1 2 3 4 5 6 7 8



A1 1ST FLR PLAN - OVERALL
1/16" = 1'-0"

0' 4' 8' 16' 32'
SCALE: 1/16" = 1'-0"

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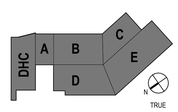
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750 University Row
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ISSUANCE AND REVISIONS

DATE	DESCRIPTION
05/15/2023	UDC & LAND USE

KEY PLAN



SHEET INFORMATION

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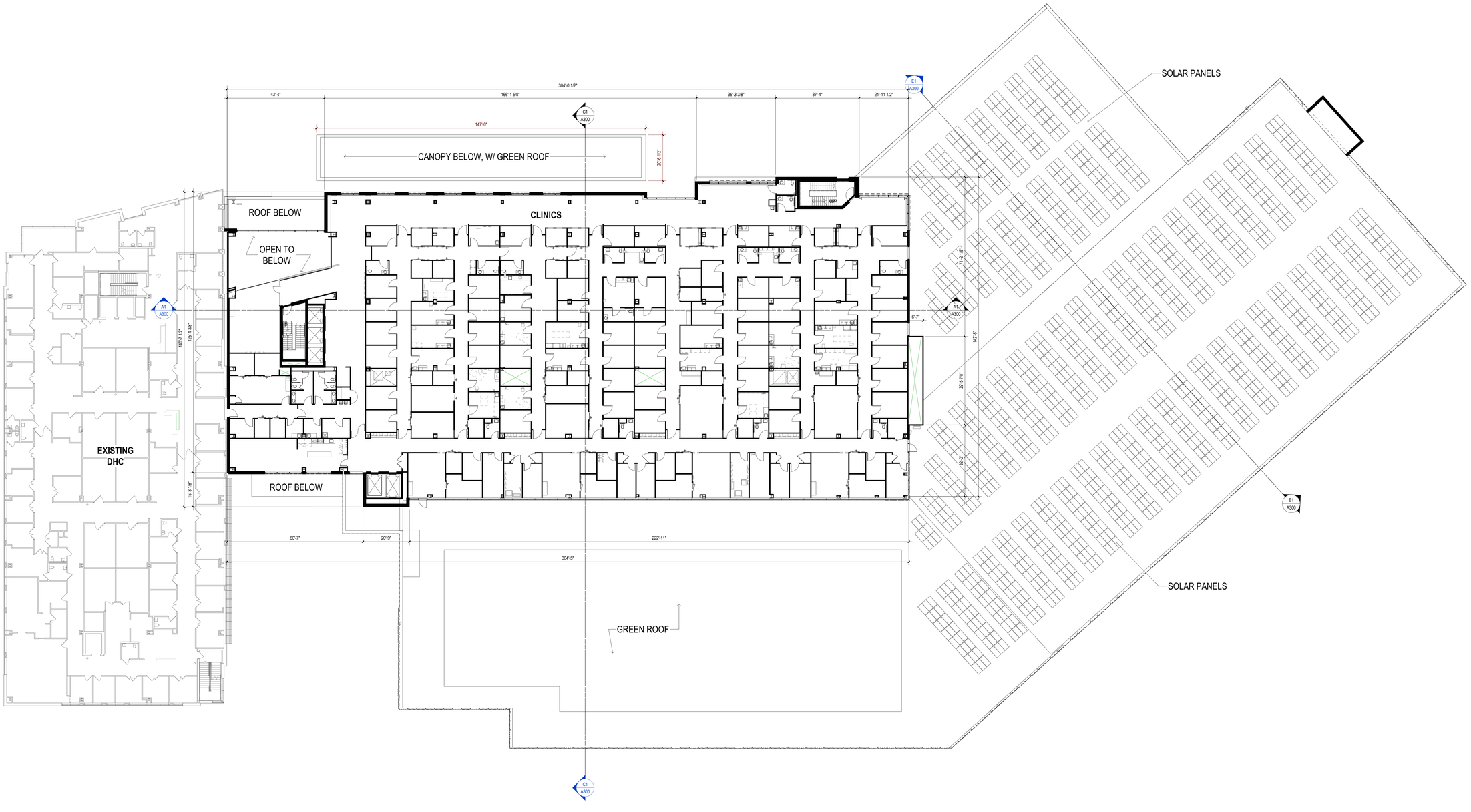
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PROJECT MANAGER	RB
PROJECT NUMBER	422291

OVERALL 1ST FLR PLAN

AP101

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A1 2ND FLR PLAN - OVERALL
1/16" = 1'-0"

0' 4' 8' 16' 32'
SCALE: 1/16" = 1'-0"

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Affiliated Engineers

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PROJECT INFORMATION

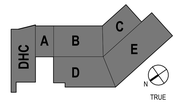
750 UNIVERSITY ROW EXPANSION

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Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION

KEY PLAN



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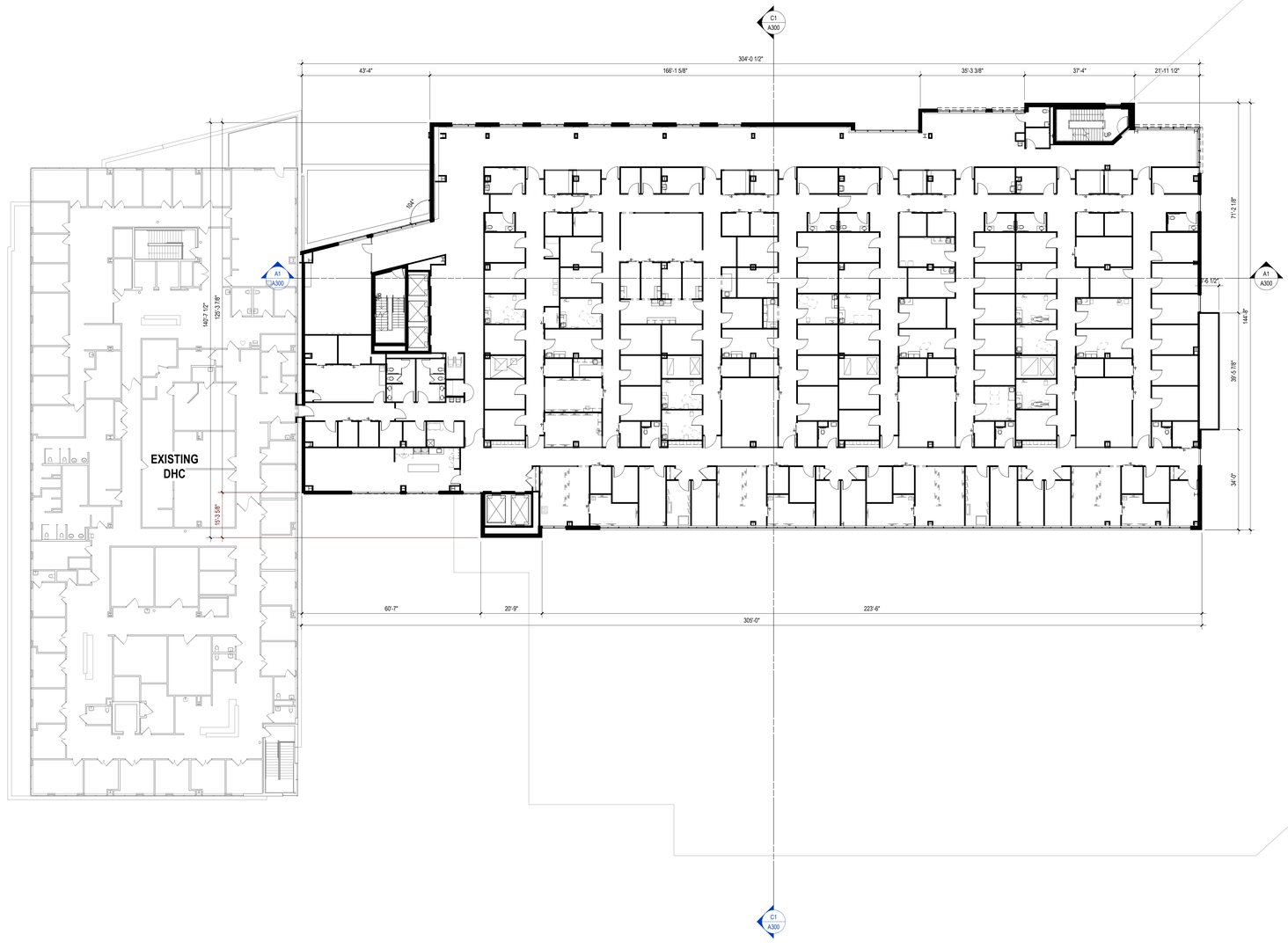
PROJECT MANAGER	RB
PROJECT NUMBER	422291

OVERALL 2ND FLR PLAN

AP102

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1 2 3 4 5 6 7 8



A1 3RD FLR PLAN - OVERALL
1/16" = 1'-0"

SCALE: 1/16" = 1'-0"

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UW Health
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Affiliated Engineers
PIERCE ENGINEERS, INC.

PROJECT INFORMATION

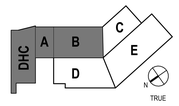
750 UNIVERSITY ROW EXPANSION

750 University Row
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION

KEY PLAN



SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

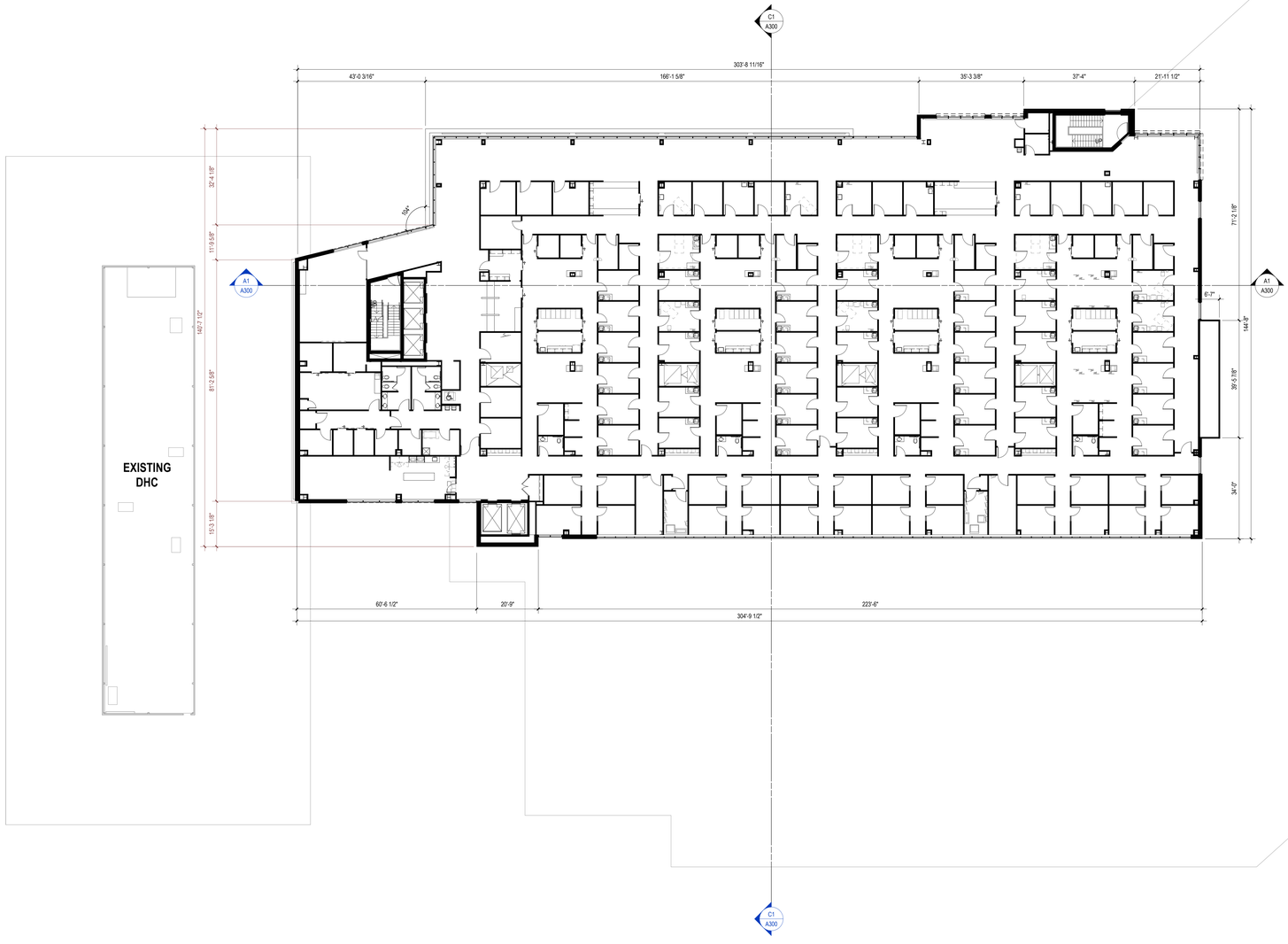
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PROJECT MANAGER	RB
PROJECT NUMBER	422291

OVERALL 3RD FLR PLAN

AP103

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A1 4TH FLR PLAN - OVERALL
1/16" = 1'-0"

SCALE: 1/16" = 1'-0"

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PIERCE ENGINEERS, INC.

PROJECT INFORMATION

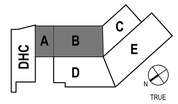
750 UNIVERSITY ROW EXPANSION

750 University Row
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
05/15/2023	UDC & LAND USE

KEY PLAN



SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

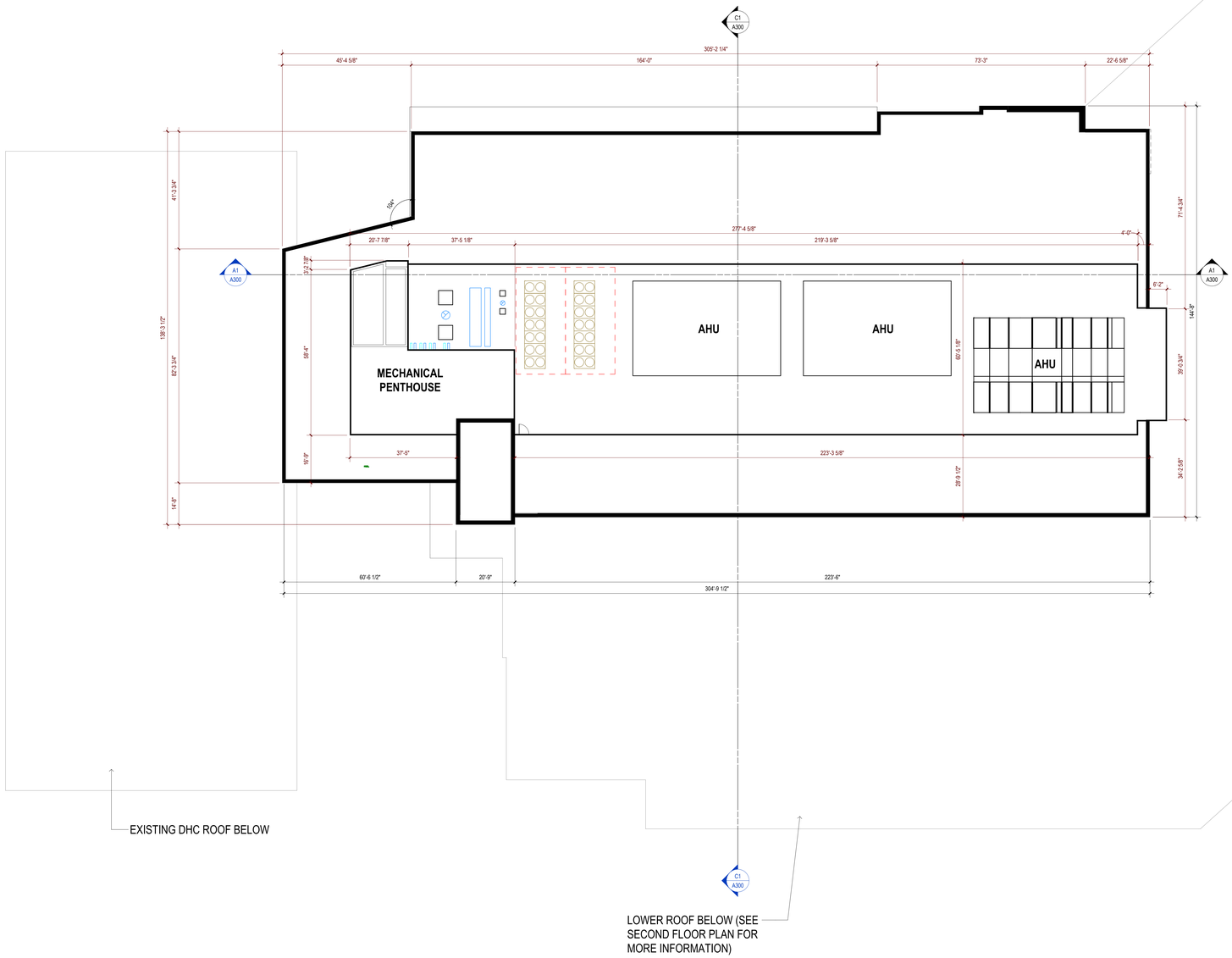
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PROJECT MANAGER	RB
PROJECT NUMBER	422291

OVERALL 4TH FLR PLAN

AP104

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A1 ROOF PLAN - OVERALL
1/16" = 1'-0"

0' 4' 8' 16' 32'
SCALE: 1/16" = 1'-0"

1 2 3 4 5 6 7 8

F

E

D

C

B

A

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UWHealth
KRUPP GENERAL CONTRACTORS
Affiliated Engineers
PIERCE ENGINEERS, INC.

PROJECT INFORMATION

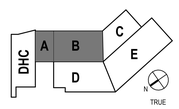
750 UNIVERSITY
ROW EXPANSION

750 University Row
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
05/15/2023	UDC & LAND USE

KEY PLAN



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PROJECT MANAGER	RB
PROJECT NUMBER	422291

OVERALL ROOF PLAN

AP105

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SOUTHEAST	Glass Area <50 SF	Glass Area Treated	Glass Area Untreated
Glass, Area less than 50 SF	46.5		
Glass, Area less than 50 SF	44.6		
Glass, Area less than 50 SF	40.7		
Glass, Area less than 50 SF	46.3		
Glass, Area less than 50 SF	45.0		
Bird-Safe Dot Pattern Area			
Bird-Safe Dot Pattern Area		85.2	
Bird-Safe Dot Pattern Area		84.3	
Bird-Safe Dot Pattern Area		70.5	
Bird-Safe Dot Pattern Area		66.9

SOUTHWEST	Glass Area <50 SF	Glass Area Treated	Glass Area Untreated					
Glass, Area less than 50 SF	49.6							
Glass, Area less than 50 SF	48.7							
Glass, Area less than 50 SF	44.2							
Glass, Area less than 50 SF	49.6							
Glass, Area less than 50 SF	48.7							
Glass, Area less than 50 SF	44.2							
Glass, Area less than 50 SF	49.6							
Glass, Area less than 50 SF	48.7							
Glass, Area less than 50 SF	44.2							
Glass, Area less than 50 SF								
Bird-Safe Dot Pattern Area		116.4						
Bird-Safe Dot Pattern Area								
Bird-Safe Dot Pattern Area								
Bird-Safe Shaded Area		142.9						
Bird-Safe Shaded Area		140.8						
Bird-Safe Shaded Area		126.1						
Glass, Untreated								
Glass, Untreated								
Subtotal	427.5	526.2	0.0					
Total of All Glass Areas this façade				953.7				
Total Façade Area				6,444.4				
Glass % of façade				14.80%	(Total Façade less than 50% Glass)			
Total Glass areas > 50 SF				526.2				
Treated Glass Area Required			85.00%	447.3				
Treated Glass Area Provided (percent of total >50 SF)				526.2	100.00%			

Bird-Safe Shade Area

Bird-Safe Dot Pattern Area

Glass, Area less than 50 SF

Glass, Untreated

EXTERIOR GLAZING LEGEND

- IG-1 : CLEAR
- IG-2 : CLEAR W/ BIRD GLASS FRIT
- IG-3 : SPANDREL (9% EXTERIOR REFLECTANCE)
- IP-1 : METAL INFILL PANEL

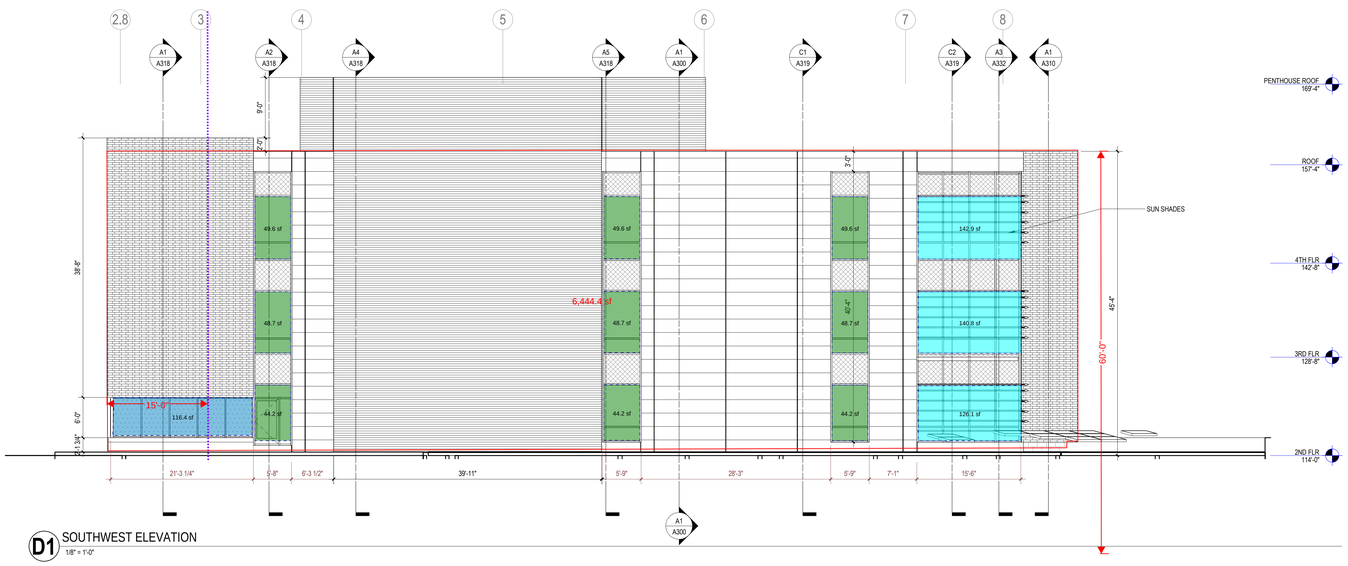
SEE SHEET EXTERIOR FRAME TYPES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION

EXTERIOR MATERIAL LEGEND

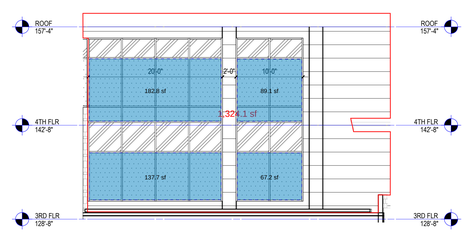
- STONE VENEER
- BRICK
- METAL COMPOSITE MATERIAL PANEL

SEE SHEET A000 FOR EXTERIOR ASSEMBLY INFORMATION

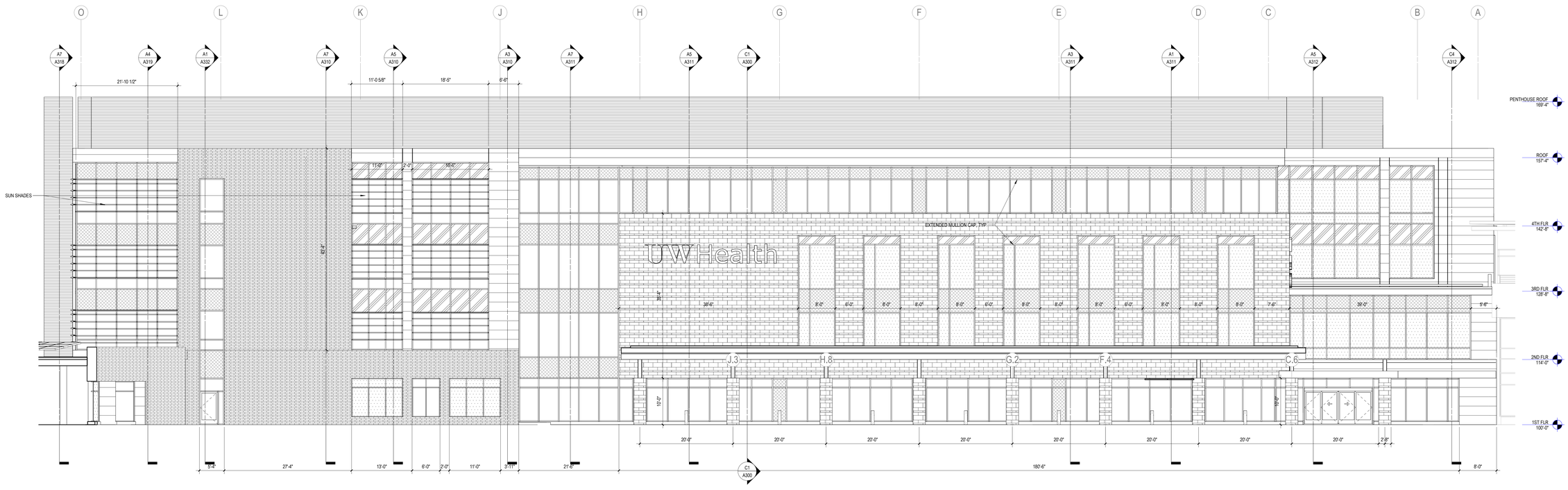
DHC ANGLE (SE)	Glass Area <50 SF	Glass Area Treated	Glass Area Untreated					
Glass, Area less than 50 SF								
Glass, Area less than 50 SF								
Bird-Safe Dot Pattern Area		182.8						
Bird-Safe Dot Pattern Area		89.1						
Bird-Safe Dot Pattern Area		137.7						
Bird-Safe Dot Pattern Area		67.2						
Bird-Safe Dot Pattern Area								
Bird-Safe Shaded Area								
Glass, Untreated								
Glass, Untreated								
Glass, Untreated								
Subtotal	0.0	476.8	0.0					
Total of All Glass Areas this façade				476.8				
Total Façade Area				1,324.1				
Glass % of façade				36.01%	(Total Façade less than 50% Glass)			
Total Glass areas > 50 SF				476.8				
Treated Glass Area Required			85.00%	405.3				
Treated Glass Area Provided (percent of total >50 SF)				476.8	100.00%			



D1 SOUTHWEST ELEVATION
1/8" = 1'-0"



D6 SOUTHEAST ELEVATION
1/8" = 1'-0"



A1 SOUTHEAST ELEVATION
1/8" = 1'-0"

1 2 3 4 5 6 7 8

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EMAIL ADDRESS: robb@eua.com

PROJECT INFORMATION

750 UNIVERSITY ROW EXPANSION

750 University Row
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
04/28/2023	SCHEMATIC DESIGN

KEY PLAN

SHEET INFORMATION

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PROJECT MANAGER	RB
PROJECT NUMBER	422291

EXTERIOR ELEVATIONS

A201

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NORTHEAST	Glass Area <50 SF	Glass Area Treated	Glass Area Untreated
Glass, Area less than 50 SF			
Glass, Area less than 50 SF			
Bird-Safe Dot Pattern Area		204.4	
Bird-Safe Dot Pattern Area		98.6	
Bird-Safe Dot Pattern Area			
Bird-Safe Shaded Area			
Bird-Safe Shaded Area			
Bird-Safe Shaded Area			
Glass, Untreated			
Glass, Untreated			
Subtotal	0.0	303.0	0.0

Total of All Glass Areas this façade	303.0	
Total Façade Area	6,477.3	
Glass % of façade	4.68%	(Total Façade less than 50% Glass)
Total Glass areas > 50 SF	303.0	
Treated Glass Area Required	257.6	85.00%
Treated Glass Area Provided (percent of total >50 SF)	303.0	100.00%

Bird-Safe Shade Area

Bird-Safe Dot Pattern Area

Glass, Area less than 50 SF

Glass, Untreated

EXTERIOR GLAZING LEGEND

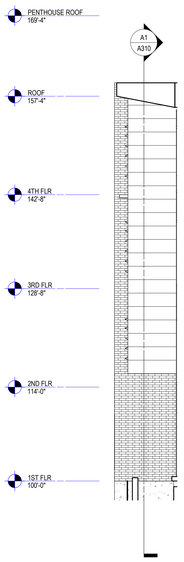
- IG-1 : CLEAR
- IG-2 : CLEAR W/ BIRD GLASS FRIT
- IG-3 : SPANDREL (9% EXTERIOR REFLECTANCE)
- IP-1 : METAL INFILL PANEL

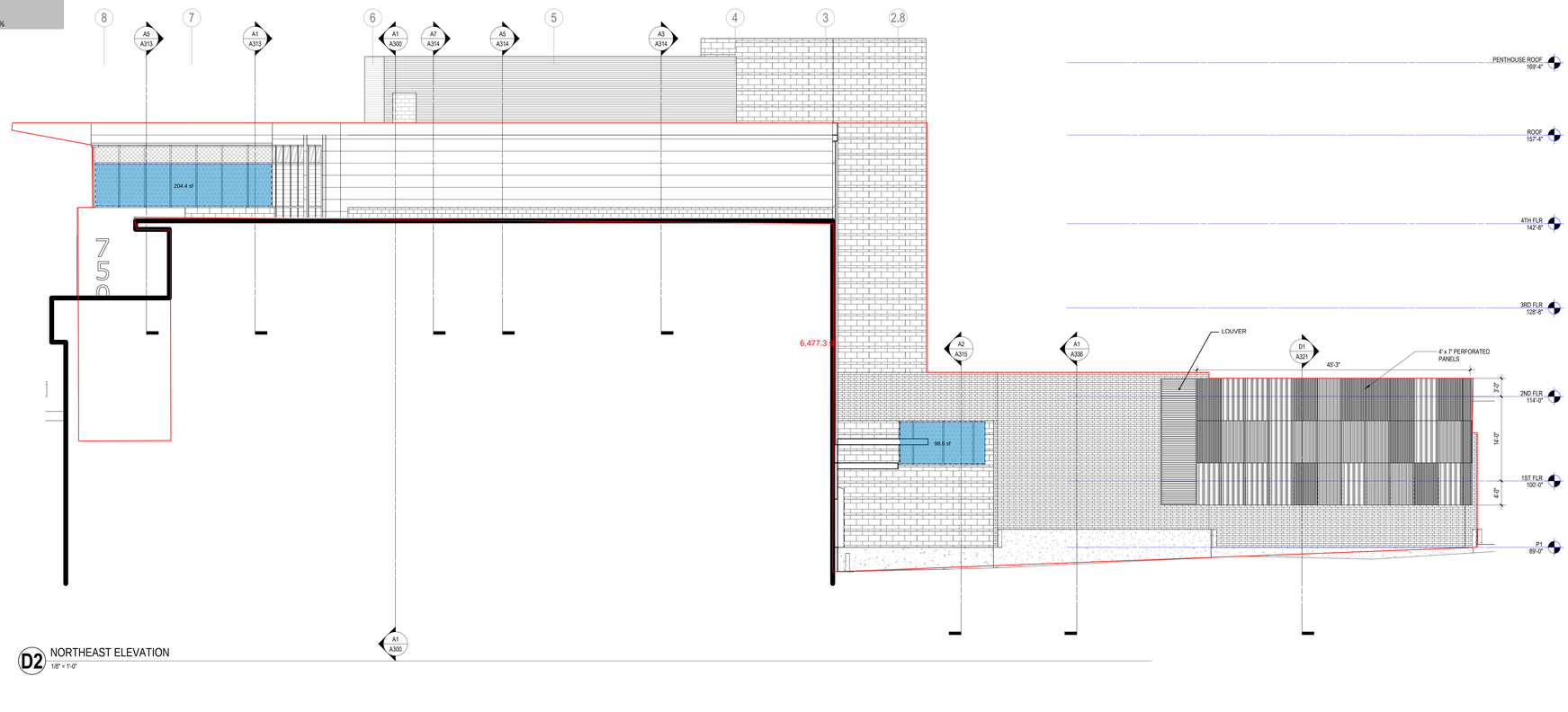
SEE SHEET EXTERIOR FRAME TYPES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION

EXTERIOR MATERIAL LEGEND

- STONE VENEER
- BRICK
- METAL COMPOSITE MATERIAL PANEL

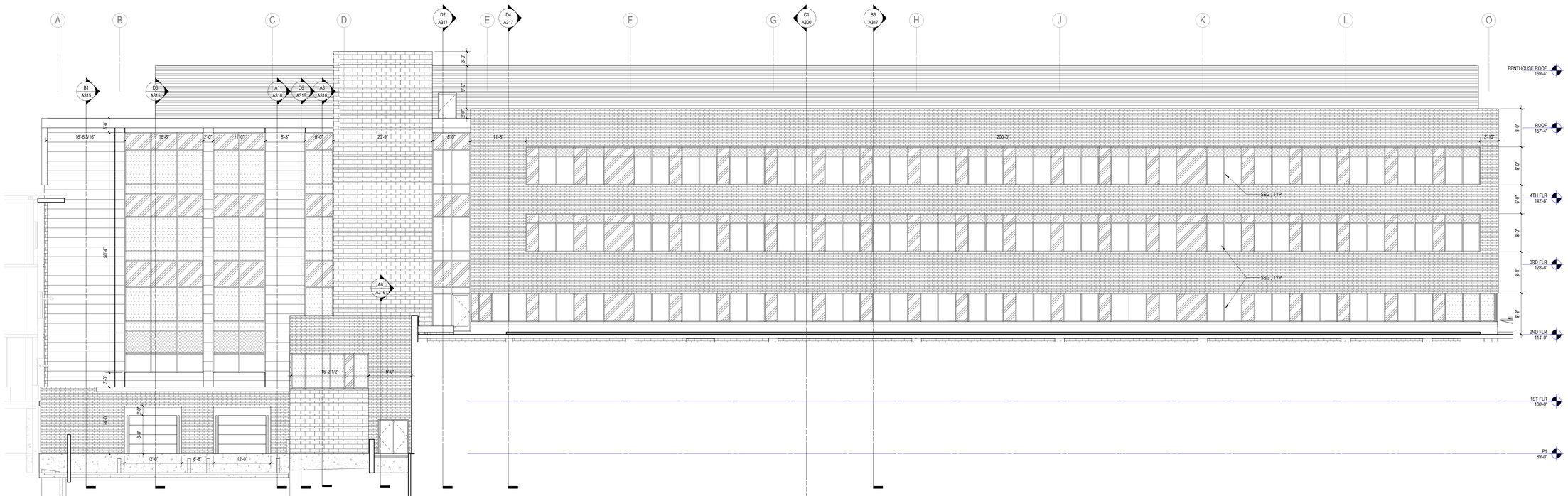
SEE SHEET A000 FOR EXTERIOR ASSEMBLY INFORMATION





D1 WEST ELEVATION - PARTIAL 01
1/8" = 1'-0"

D2 NORTHEAST ELEVATION
1/8" = 1'-0"



A1 SOUTHWEST ELEVATION
1/8" = 1'-0"

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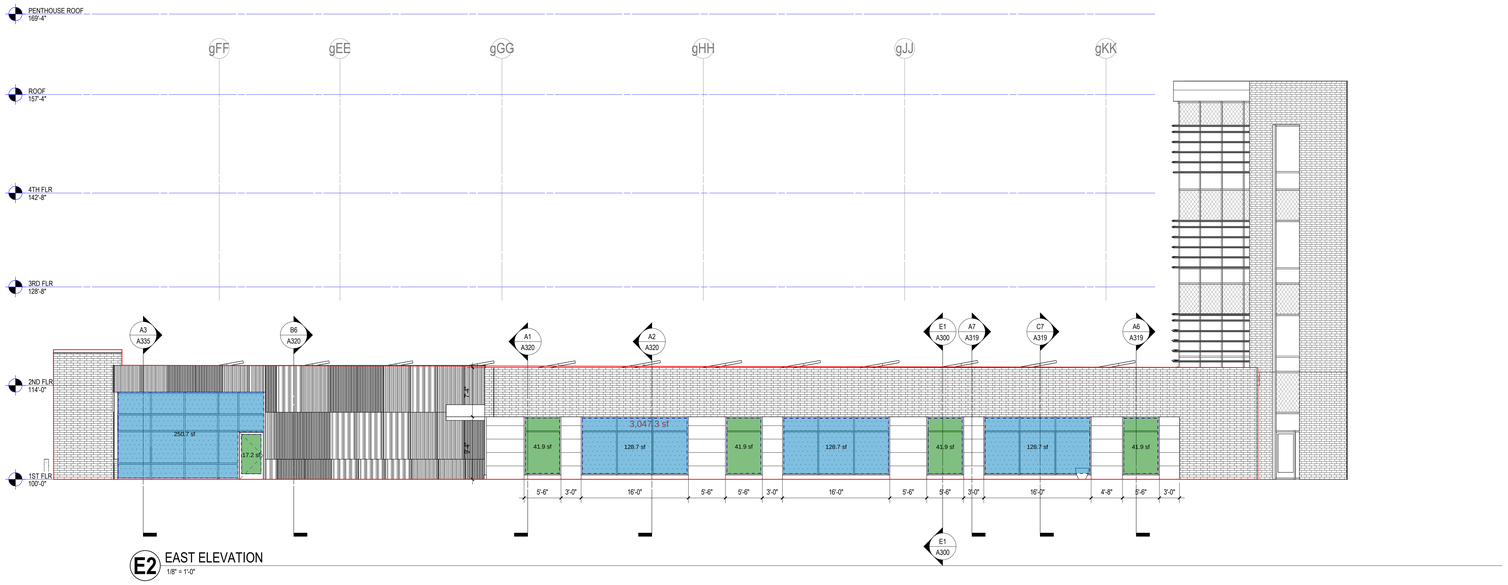
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PROJECT MANAGER	RB
PROJECT NUMBER	422291

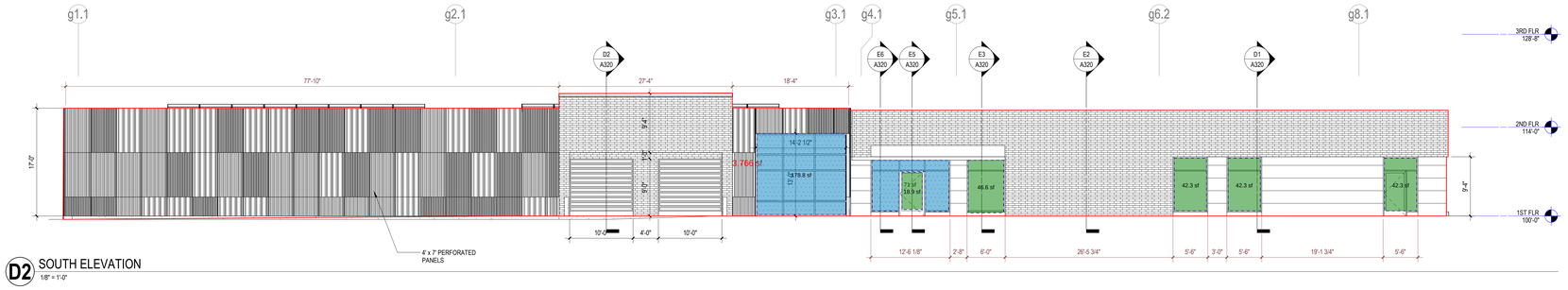
EXTERIOR ELEVATIONS

A202

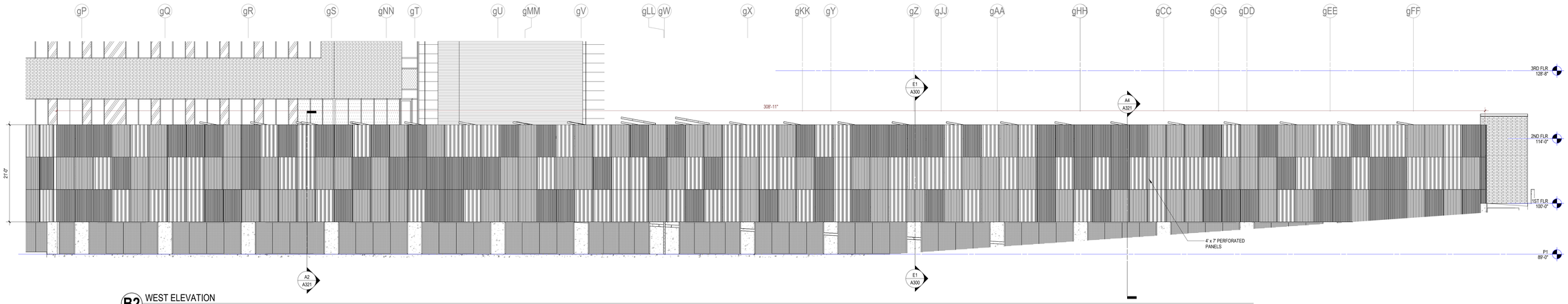
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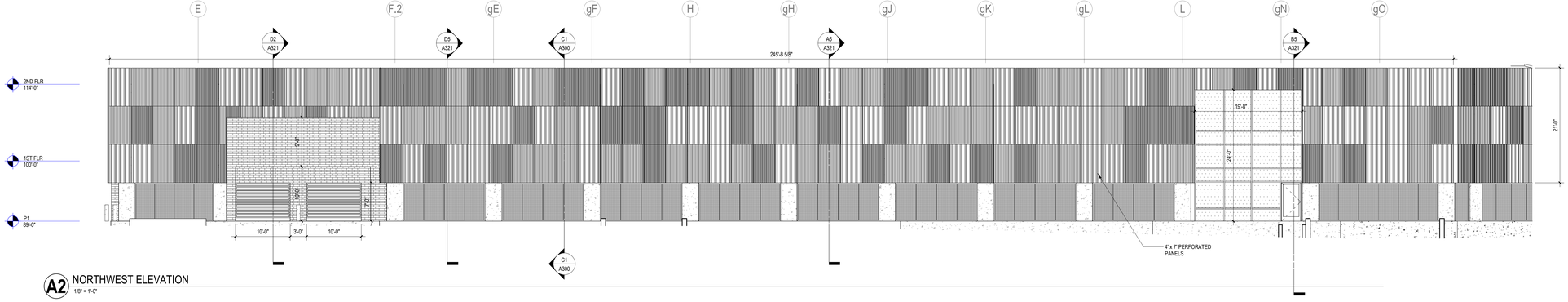
E2 EAST ELEVATION
1/8" = 1'-0"



D2 SOUTH ELEVATION
1/8" = 1'-0"



B2 WEST ELEVATION
1/8" = 1'-0"



A2 NORTHWEST ELEVATION
1/8" = 1'-0"

EXTERIOR GLAZING LEGEND

- IG-1 : CLEAR
- IG-2 : CLEAR W/ BIRD GLASS FRIT
- IG-3 : SPANDREL (9% EXTERIOR REFLECTANCE)
- IP-1 : METAL INFILL PANEL

SEE SHEET EXTERIOR FRAME TYPES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION

EXTERIOR MATERIAL LEGEND

- STONE VENEER
- BRICK
- METAL COMPOSITE MATERIAL PANEL

SEE SHEET A000 FOR EXTERIOR ASSEMBLY INFORMATION

- Bird-Safe Shade Area
- Bird-Safe Dot Pattern Area
- Glass, Area less than 50 SF
- Glass, Untreated

EAST	Glass Area <50 SF	Glass Area Treated	Glass Area Untreated		
Glass, Area less than 50 SF	41.9				
Glass, Area less than 50 SF	41.9				
Glass, Area less than 50 SF	41.9				
Glass, Area less than 50 SF	41.9				
Glass, Area less than 50 SF	17.2				
Bird-Safe Dot Pattern Area		250.7			
Bird-Safe Dot Pattern Area		128.7			
Bird-Safe Dot Pattern Area		128.7			
Bird-Safe Dot Pattern Area		128.7			
Bird-Safe Dot Pattern Area					
Bird-Safe Shaded Area		0.0			
Glass, Untreated					
Glass, Untreated					
Glass, Untreated					
Glass, Untreated					
Subtotal	184.8	636.8	0.0		
Total of All Glass Areas this façade				821.6	
Total Façade Area				3,047.3	
Glass % of façade				26.96%	(Total Façade less than 50% Glass)
Total Glass areas > 50 SF				636.8	
Treated Glass Area Required			85.00%	541.3	
Treated Glass Area Provided (percent of total >50 SF)				636.8	100.00%

SOUTH	Glass Area <50 SF	Glass Area Treated	Glass Area Untreated		
Glass, Area less than 50 SF	46.6				
Glass, Area less than 50 SF	42.3				
Glass, Area less than 50 SF	42.3				
Glass, Area less than 50 SF	42.3				
Glass, Area less than 50 SF	18.8				
Bird-Safe Dot Pattern Area		178.8			
Bird-Safe Dot Pattern Area		71.0			
Bird-Safe Dot Pattern Area					
Bird-Safe Shaded Area					
Glass, Untreated					
Glass, Untreated					
Glass, Untreated					
Subtotal	192.3	249.8	0.0		
Total of All Glass Areas this façade				442.1	
Total Façade Area				3,766.0	
Glass % of façade				11.74%	(Total Façade less than 50% Glass)
Total Glass areas > 50 SF				249.8	
Treated Glass Area Required			85.00%	212.3	
Treated Glass Area Provided (percent of total >50 SF)				249.8	100.00%

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UW Health

KRUPP GENERAL CONTRACTORS

Affiliated Engineers

PIERCE ENGINEERS, INC.

PROJECT INFORMATION

750 UNIVERSITY ROW EXPANSION

750 University Row
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
04/28/2023	SCHEMATIC DESIGN

KEY PLAN

SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

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PROJECT MANAGER RB
PROJECT NUMBER 422291

EXTERIOR ELEVATIONS

A203

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F E D C B A

1 2 3 4 5 6 7 8

EXTERIOR GLAZING LEGEND

- IG-1 : CLEAR
- IG-2 : CLEAR W/ BIRD GLASS FRIT
- IG-3 : SPANDREL (9% EXTERIOR REFLECTANCE)
- IP-1 : METAL INFILL PANEL

SEE SHEET EXTERIOR FRAME TYPES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION

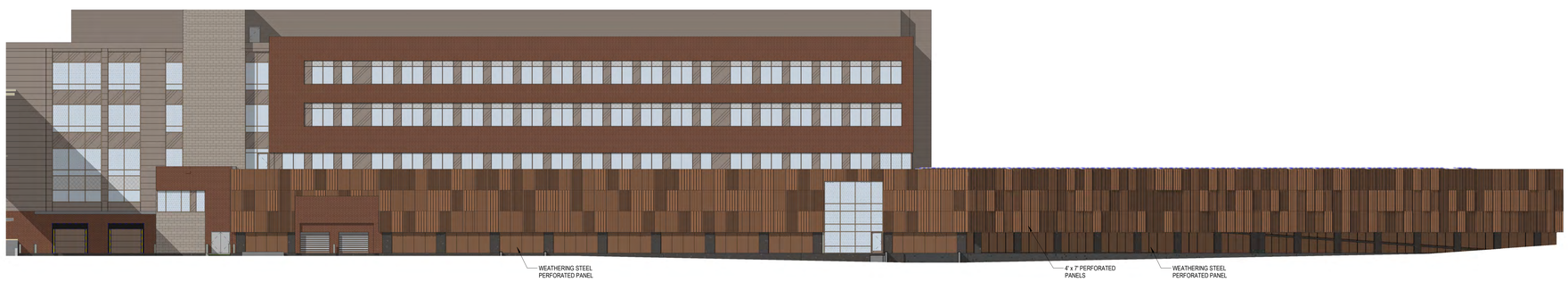
EXTERIOR MATERIAL LEGEND

- STONE VENEER
- BRICK
- METAL COMPOSITE MATERIAL PANEL

SEE SHEET A000 FOR EXTERIOR ASSEMBLY INFORMATION



D1 SOUTHEAST ELEVATION - OVERALL
1/16" = 1'-0"



A1 NORTHWEST ELEVATION - OVERALL
1/16" = 1'-0"

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PROJECT MANAGER	RB
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UDC ELEVATIONS - OVERALL

AP200

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1 2 3 4 5 6 7 8

A B C D E F

EXTERIOR GLAZING LEGEND

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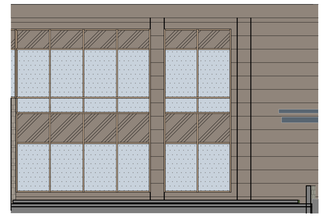
EXTERIOR MATERIAL LEGEND

- STONE VENEER
- BRICK
- METAL COMPOSITE MATERIAL PANEL

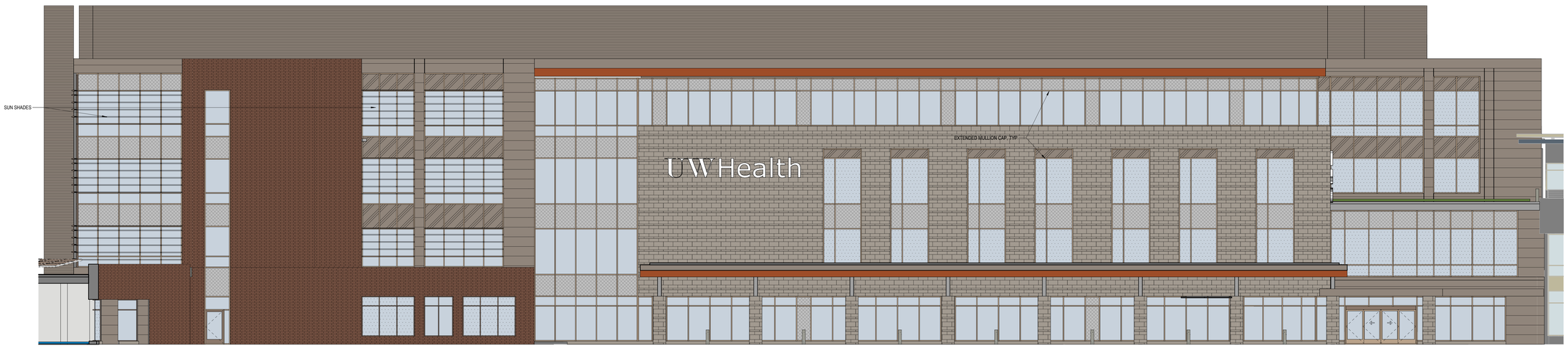
SEE SHEET A000 FOR EXTERIOR ASSEMBLY INFORMATION



D1 SOUTHWEST ELEVATION
1/8" = 1'-0"



D6 SOUTHEAST ELEVATION
1/8" = 1'-0"



A1 SOUTHEAST ELEVATION
1/8" = 1'-0"

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DATE	DESCRIPTION
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750 UNIVERSITY ROW EXPANSION

750 University Row
Madison, WI 53705

ISSUANCE AND REVISIONS

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PROJECT MANAGER	RB
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UDC ELEVATIONS

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1 2 3 4 5 6 7 8

A B C D E F

EXTERIOR GLAZING LEGEND

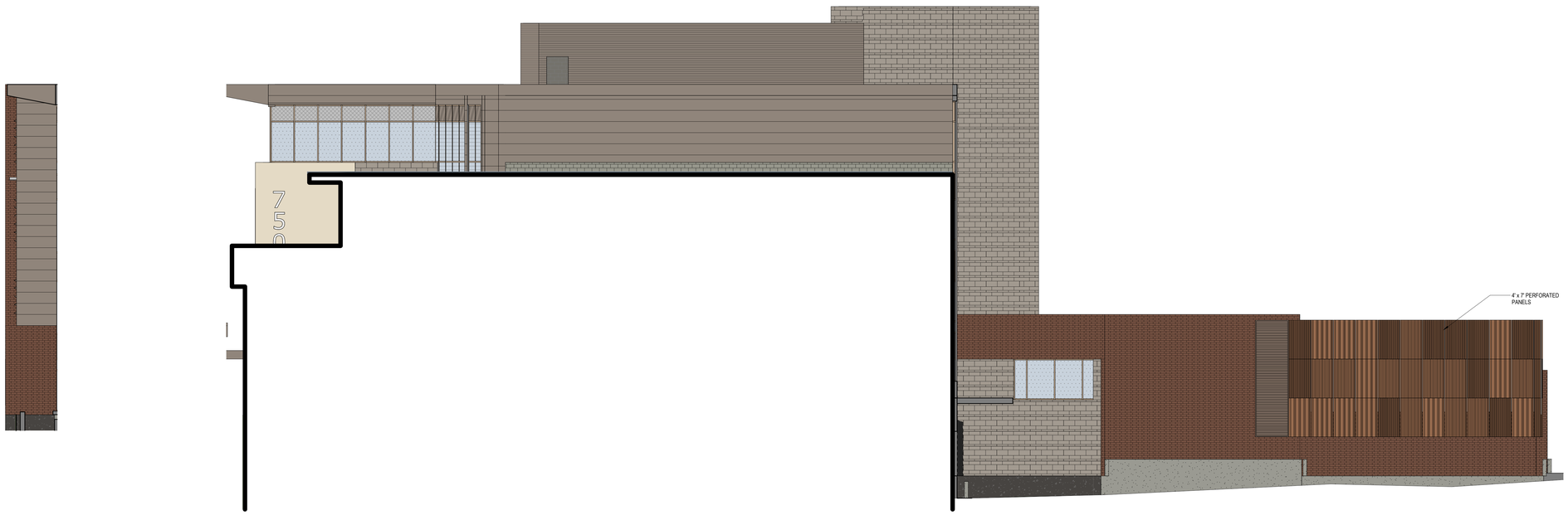
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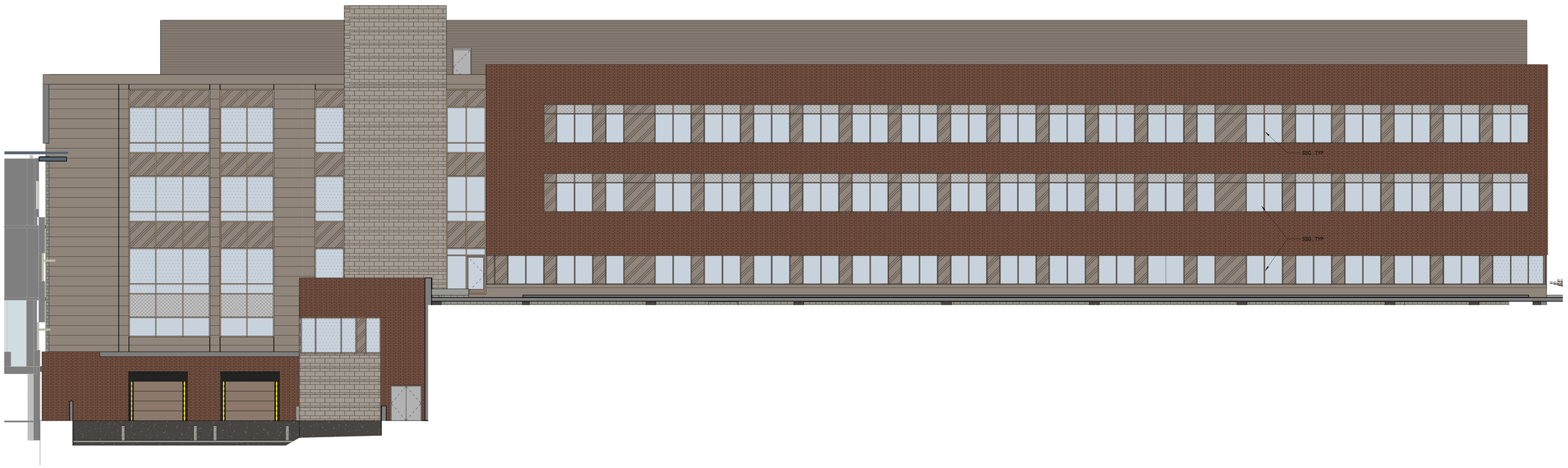
- STONE VENEER
- BRICK
- METAL COMPOSITE MATERIAL PANEL

SEE SHEET A000 FOR EXTERIOR ASSEMBLY INFORMATION



D1 WEST ELEVATION
1/8" = 1'-0"

D2 NORTH ELEVATION
1/8" = 1'-0"



A1 NORTHWEST ELEVATION
1/8" = 1'-0"

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UDC ELEVATIONS

AP202

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- STONE VENEER
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- METAL COMPOSITE MATERIAL PANEL

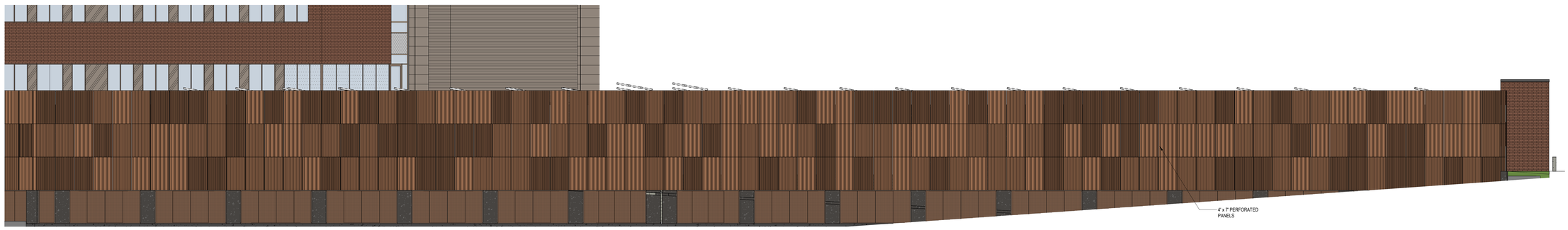
SEE SHEET A000 FOR EXTERIOR ASSEMBLY INFORMATION



E2 EAST ELEVATION
1/8" = 1'-0"



D2 SOUTH ELEVATION
1/8" = 1'-0"



B2 WEST ELEVATION
1/8" = 1'-0"



A2 NORTHWEST ELEVATION
1/8" = 1'-0"

1 2 3 4 5 6 7 8

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PROJECT INFORMATION

750 UNIVERSITY ROW EXPANSION

750 University Row
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
04/28/2023	SCHEMATIC DESIGN

KEY PLAN

SHEET INFORMATION

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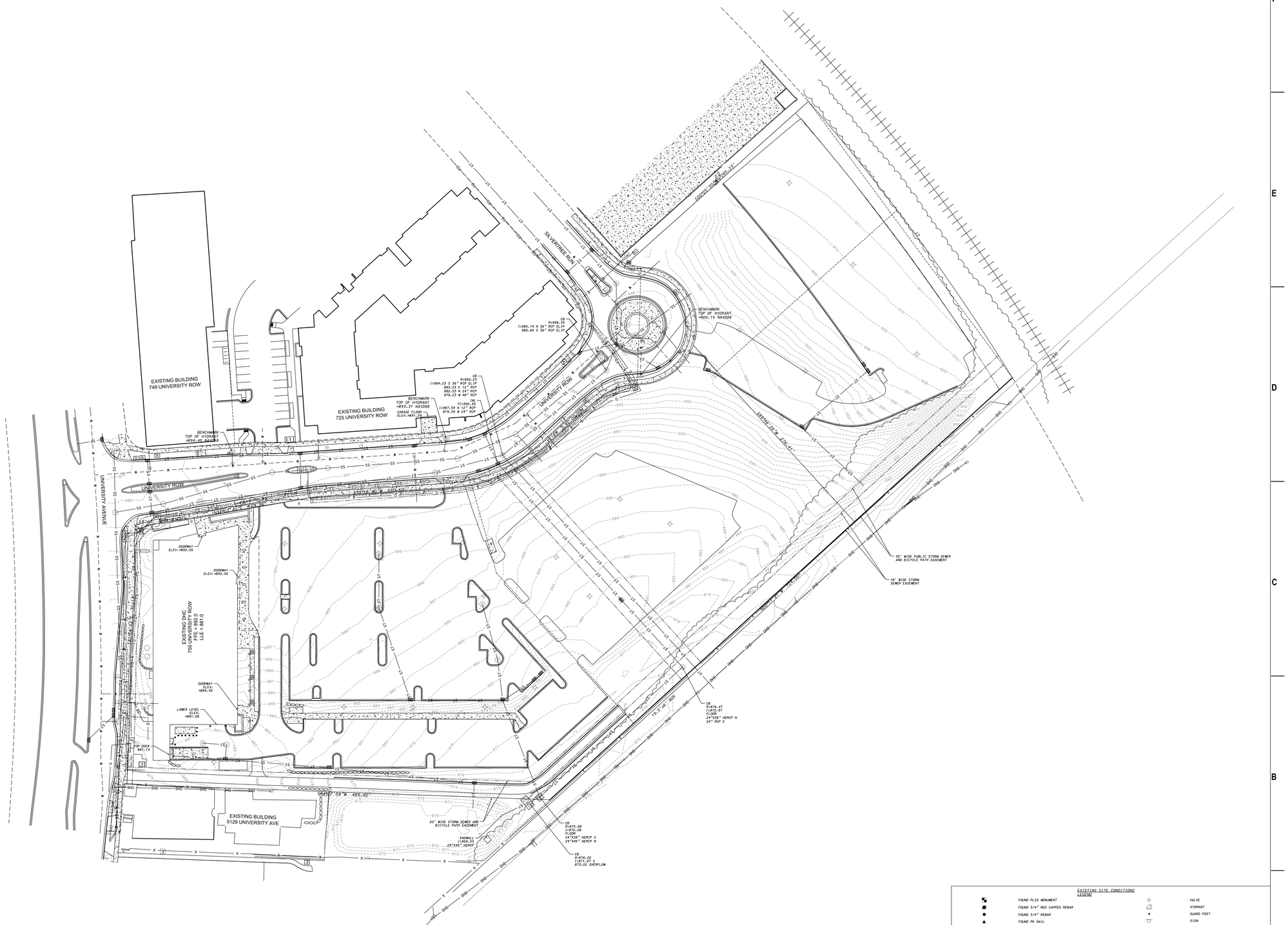
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PROJECT NUMBER	422291

UDC ELEVATIONS

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EXISTING BUILDING
749 UNIVERSITY ROW
EXISTING BUILDING
725 UNIVERSITY ROW
EXISTING BUILDING
5129 UNIVERSITY AVE
EXISTING DNC
750 UNIVERSITY ROW
FFE = 892.0
LLE = 881.0
UNIVERSITY ROW
UNIVERSITY AVENUE
SILVERTREE RUN
BENCHMARK
TOP OF HYDRANT
=894.45 NAVD88
BENCHMARK
TOP OF HYDRANT
=893.37 NAVD88
GARAGE FLOOR
ELEV.=891.00
BENCHMARK
TOP OF HYDRANT
=905.15 NAVD88
DOORWAY
ELEV.=892.05
DOORWAY
ELEV.=892.05
DOORWAY
ELEV.
=884.45
LOWER LEVEL
ELEV.
=881.08
TOP DOCK
887.14
S00°20'30"W 260.37'
S89°39'30"E 330.00'
N89° 59' 59" W 489.42'
S89°39'30"E 330.00'
S00°20'30"W 260.37

NOTES:
1. CITY FORESTRY HAS APPROVED THE REMOVAL OF THE FOLLOWING TREES IN THE UNIVERSITY ROW RIGHT-OF-WAY AND A REMOVALS PERMIT WILL BE ISSUED FOR THE FOLLOWING 7 TREES:
   a. 5" LINDEN
   b. (2) 4" KENTUCKY COFFEETREES
   c. 3" GINKGO
   d. 4" GINKGO
   e. 3" KENTUCKY COFFEETREE
   f. 4" HACKBERRY

2. ALL PROPOSED STREET TREE REMOVALS WITHIN THE RIGHT-OF-WAY SHALL BE REVIEWED BY CITY FORESTRY BEFORE THE PLAN COMMISSION MEETING. STREET TREE REMOVALS REQUIRE APPROVAL FROM CITY FORESTRY AND A TREE REMOVAL PERMIT ISSUED BY CITY FORESTRY.

3. ANY STREET TREE REMOVALS REQUESTED AFTER THE DEVELOPMENT PLAN IS APPROVED BY CITY FORESTRY, PLAN COMMISSION, AND/OR THE BOARD OF PUBLIC WORKS WILL REQUIRE A MINIMUM 72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ALDERPERSON WHOSE DISTRICT IS AFFECTED BY THE ADDITIONAL STREET TREE REMOVALS(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED FOR ADDITIONAL TREES BEYOND THOSE INDICATED IN THESE NOTES AND ON THE PLANS.

0 40'

PROTECT ALL TREES TO REMAIN IN CITY TERRACE
STORM SEWER TO REMAIN, CONNECT TO NEW STRUCTURE
REMOVE (1) EX. 4" HACKBERRY
ALL PUBLIC IMPROVEMENTS REQUIRED TO SER THIS PROJECT SHALL BE CONSTRUCTED PER THE CITY OF MADISON ISSUED PLANS, PROJECT NO. TBD
EXISTING STORM STRUCTURE IN RIGHT-OF-WAY TO BE REPLACED
CONTRACTOR TO COORDINATE REMOVAL & REPLACEMENT OF EXISTING GAS, ELECTRIC AND TELEPHONE LINES WITH UTILITY COMPANIES
SAWCUT PAVEMENT ALONG CENTERLINE, TYP.
EXISTING BUILDING 749 UNIVERSITY ROW
SAWCUT PAVEMENT, 1' FROM FLAG OF CURB
EXISTING BUILDING 725 UNIVERSITY ROW
EXISTING STORM INLET TO REMAIN, ADJUST RIM TO NEW DRIVEWAY CURB SECTION
EXISTING HYDRANT TO REMAIN, REMOVE AND REPLACE AS REQUIRED
EXISTING RAISED PLANTER BED TO BE REMOVED
STORM STRUCTURE TO REMAIN
EXISTING YIELD SIGN TO REMAIN, REMOVE AND REPLACE AS REQUIRED
REMOVE LIGHT POLE & BASE
REMOVE (1) EX. 3" KENTUCKY COFFEETREE
LIGHT POLE & BASE TO BE REMOVED, TYP.
REMOVE (1) EX. 4" GINKGO
REMOVE (1) EX. 5" LINDEN
REMOVE (1) EX. 4" KENTUCKY COFFEETREE
REMOVE (1) EX. 3" GINKGO
REMOVE (1) EX. 4" KENTUCKY COFFEETREE
EXISTING STORM INLET TO REMAIN
REMOVE EXISTING PARKING LOT PAVEMENT AND BASE
EXISTING STORM SEWER WITHIN EASEMENT TO CITY TO BE REMOVED PER CITY OF MADISON PLANS
EXISTING STORM STRUCTURES IN RIGHT-OF-WAY TO BE REPLACED (2)
PROTECT (2) EXISTING 4" CRABAPPLES & (2) EXISTING 4" JAPANESE TREE LILACS TO REMAIN IN CITY TERRACE
LIGHT POLE & BASE TO BE REMOVED, TYP.
EXISTING DHC 750 UNIVERSITY ROW FFE = 892.0 LLE = 881.0
REMOVE EXISTING PARKING LOT PAVEMENT AND BASE
BOLLARD LIGHTS TO BE REMOVED, TYP.
EXISTING RAISED PLANTER BED TO REMAIN
EXISTING STORM SEWER TO BE REMOVED, TYP.
REMOVE CONNECTION OF 48" RCP TO 19.5' X 8' BOX CULVERT AND SEAL OPENING PER CITY OF MADISON PLANS
EXISTING STORM SEWER TO BE REMOVED, TYP.
EXISTING STORM STRUCTURE TO REMAIN
EXISTING BIKE PATH
SAWCUT & REMOVE AND FULL SECTION OF BIKE PATH FOR STORM SEWER REMOVAL, REPLACE PAVEMENT SECTION WITH EXITING SECTION
PROPERTY LINE
EXISTING BUILDING 5129 UNIVERSITY AVE
EXISTING BIORETENTION BASIN
EXISTING STORM STRUCTURE TO REMAIN
SAWCUT BIKE PATH FOR REALIGNMENT
EXISTING TRUCK DOCK RETAINING WALL TO BE REMOVED
EXISTING TRASH ENCLOSURE TO BE REMOVED
SAWCUT BIKE PATH FOR REALIGNMENT
UNIVERSITY ROW
UNIVERSITY AVENUE
SILVERTREE RUN
30' WIDE PUBLIC STORM SEWER AND BICYCLE PATH EASEMENT
18' WIDE STORM SEWER EASEMENT
20' WIDE STORM SEWER AND PATH EASEMENT

DEMOLITION LEGEND
- REMOVE EXISTING PAVEMENT OR GRAVEL
- REMOVE EXISTING STRUCTURES
- REMOVE EXISTING UTILITY STRUCTURE
- REMOVE EXISTING STREET TREE
- REMOVE EXISTING UTILITIES
- SAWCUT EXISTING CURB OR PAVEMENT
- LIMITS OF DISTURBANCE

EXISTING SITE CONDITIONS LEGEND

FOUND PLSS MONUMENT	VALVE
FOUND 3/4" RED CAPPED REBAR	HYDRANT
FOUND 3/4" REBAR	GUARD POST
FOUND PK NAIL	SIGN
FOUND CHISELED "X" IN CONCRETE	GUY WIRE
PLACED 3/4"x18" REBAR (WT=1.5 LBS/FT)	DECIDUOUS TREE
SANITARY SEWER	BUSH
WATER MAIN	CONIFEROUS TREE
STORM SEWER	TREE/SHRUB LINE
GAS MAIN	FLAGPOLE
OVERHEAD ELECTRIC	GUARD RAIL
UNDERGROUND ELECTRIC	CONCRETE
UNDERGROUND FIBER OPTIC	BOULDER RETAINING WALL
UNDERGROUND TELECOMMUNICATION	CONCRETE RETAINING WALL
ELECTRIC TRANSFORMER	FENCE
TELEPHONE PEDESTAL/VAULT	CONCRETE CURB AND GUTTER
MANHOLE	EXISTING CONTOUR
CATCH BASIN/INLET	BACK OF WALK SPOT ELEVATION (@ +)
POWER POLE	"RECORDED AS" INFORMATION
POWER POLE W/LIGHT	
LIGHT POLE	
TRAFFIC SIGNAL	
GAS METER	

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PROJECT INFORMATION

750 UNIVERSITY ROW EXPANSION

750 University Row
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
05/15/2023	UDC & LAND USE
06/05/2023	

KEY PLAN

SHEET INFORMATION

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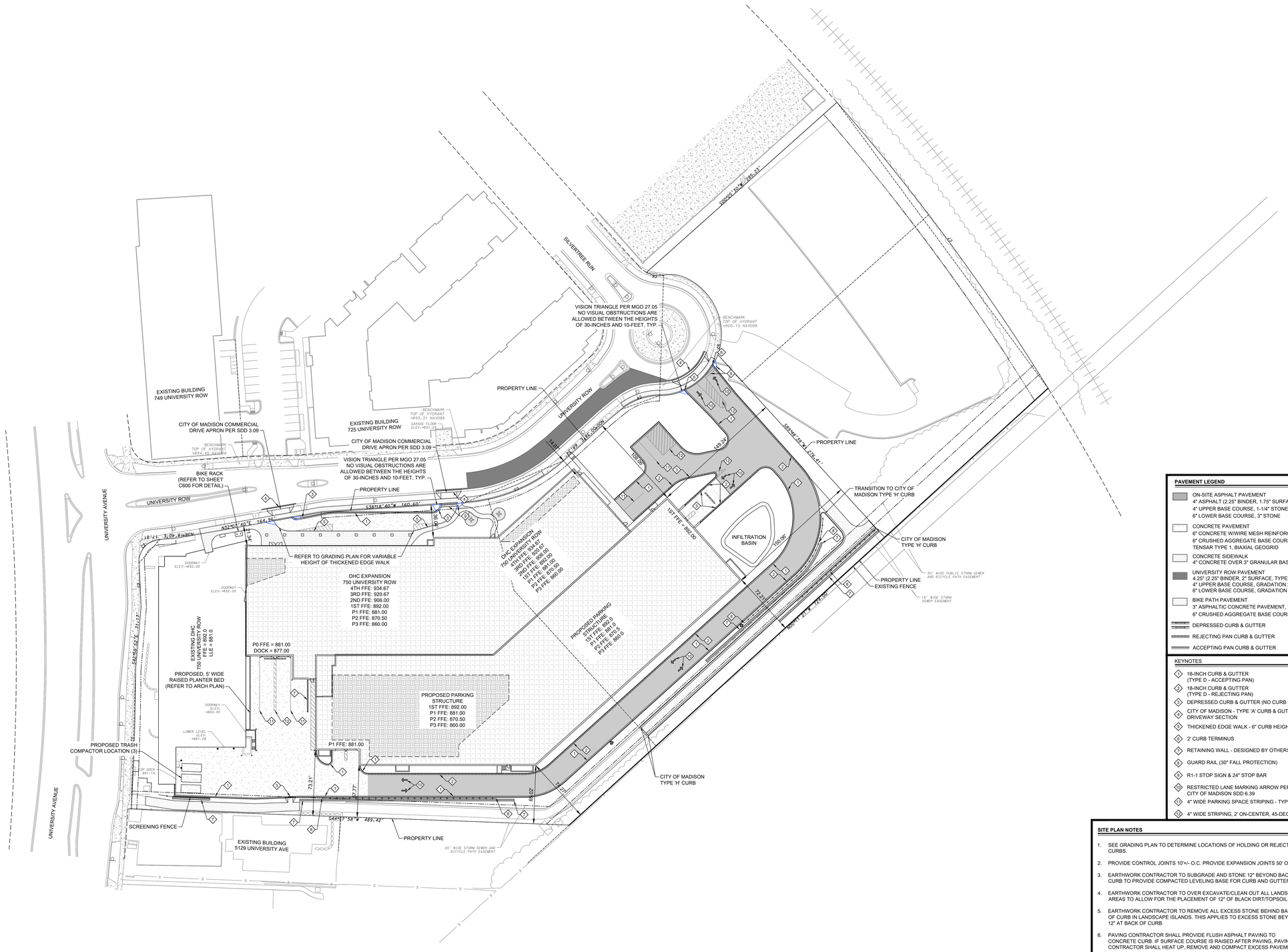
PROJECT MANAGER RB

PROJECT NUMBER 422291

DEMOLITION PLAN

C200

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PAVEMENT LEGEND

- ON-SITE ASPHALT PAVEMENT
  4" ASPHALT (2.25" BINDER, 1.75" SURFACE)
  4" UPPER BASE COURSE, 1-1/4" STONE
  6" LOWER BASE COURSE, 3" STONE
- CONCRETE PAVEMENT
  6" CONCRETE W/WIRE MESH REINFORCEMENT
  6" CRUSHED AGGREGATE BASE COURSE
  TENSAR TYPE 1, BIAXIAL GEOGRID
- CONCRETE SIDEWALK
  4" CONCRETE OVER 3" GRANULAR BASE
- UNIVERSITY ROW PAVEMENT
  4.25" (2.25" BINDER, 2" SURFACE, TYPE E-1)
  4" UPPER BASE COURSE, GRADATION 2 STONE
  6" LOWER BASE COURSE, GRADATION 1 STONE
- BIKE PATH PAVEMENT
  3" ASPHALTIC CONCRETE PAVEMENT, TYPE E-0.3
  6" CRUSHED AGGREGATE BASE COURSE
- DEPRESSED CURB & GUTTER
- REJECTING PAN CURB & GUTTER
- ACCEPTING PAN CURB & GUTTER

KEYNOTES

1. 18-INCH CURB & GUTTER (TYPE D - ACCEPTING PAN)
2. 18-INCH CURB & GUTTER (TYPE D - REJECTING PAN)
3. DEPRESSED CURB & GUTTER (NO CURB HEAD)
4. CITY OF MADISON - TYPE 'A' CURB & GUTTER DRIVEWAY SECTION
5. THICKENED EDGE WALK - 6" CURB HEIGHT
6. 2' CURB TERMINUS
7. RETAINING WALL - DESIGNED BY OTHERS
8. GUARD RAIL (30" FALL PROTECTION)
9. R1-1 STOP SIGN & 24" STOP BAR
10. RESTRICTED LANE MARKING ARROW PER CITY OF MADISON SDD 6.39
11. 4" WIDE PARKING SPACE STRIPING - TYP.
12. 4" WIDE STRIPING, 2' ON-CENTER, 45-DEGREES

LAND SUMMARY TABLE - 750 UNIVERSITY ROW

EXISTING LOT 1 AREA	162,861 SF
EXISTING BUILDING AREA	22,196 SF
PROPOSED LOT 1 AREA	265,092 SF
PROPOSED BUILDING EXPANSION AREA	112,703 SF
PROPOSED TOTAL BUILDING AREA	134,899 SF

SITE PLAN NOTES

1. SEE GRADING PLAN TO DETERMINE LOCATIONS OF HOLDING OR REJECT CURBS.
2. PROVIDE CONTROL JOINTS 10'+/- O.C. PROVIDE EXPANSION JOINTS 50' O.C.
3. EARTHWORK CONTRACTOR TO SUBGRADE AND STONE 12" BEYOND BACK OF CURB TO PROVIDE COMPACTED LEVELING BASE FOR CURB AND GUTTER.
4. EARTHWORK CONTRACTOR TO OVER EXCAVATE/CLEAN OUT ALL LANDSCAPE AREAS TO ALLOW FOR THE PLACEMENT OF 12" OF BLACK DIRT/TOPSOIL.
5. EARTHWORK CONTRACTOR TO REMOVE ALL EXCESS STONE BEHIND BACK OF CURB IN LANDSCAPE ISLANDS. THIS APPLIES TO EXCESS STONE BEYOND 12" AT BACK OF CURB.
6. PAVING CONTRACTOR SHALL PROVIDE FLUSH ASPHALT PAVING TO CONCRETE CURB. IF SURFACE COURSE IS RAISED AFTER PAVING, PAVING CONTRACTOR SHALL HEAT UP, REMOVE AND COMPACT EXCESS PAVEMENT.
7. IF ANY ERRORS, DISCREPANCIES, OR DIMENSIONS WITH PLAN BECOME APPARENT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION
8. ALL DIMENSIONS TO FACE OF CURB UNLESS OTHERWISE NOTED
9. CONTRACTOR SHALL REPLACE CURB AND GUTTER AND PAVEMENT WHICH ABUTS THE PROJECT AND IS DAMAGED BY CONSTRUCTION OR CURB AND GUTTER WHICH THE ENGINEER DETERMINES NEEDS TO BE REPLACED BECAUSE IT IS NOT AT A DESIRABLE GRADE
10. ALL WORK SHALL BE PER THE CITY OF MADISON STANDARD SPECIFICATIONS
11. CONTRACTOR IS RESPONSIBLE TO OBTAIN ANY AND ALL PERMITS REQUIRED.
12. THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANYTIME PER THE RECOMMENDATION/PLAN OF TRAFFIC ENGINEERING AND CITY ENGINEERING DEPARTMENTS.
13. UPON CONSULTATION, THE CITY TRAFFIC ENGINEER MAY DETERMINE A DELAY IN CONSTRUCTION OF THE STREETS IS APPROPRIATE
14. ALL WORK IN THE PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED BY A CITY LICENSED CONTRACTOR

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SITE PLAN - OVERALL

C300

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SITE PLAN NOTES

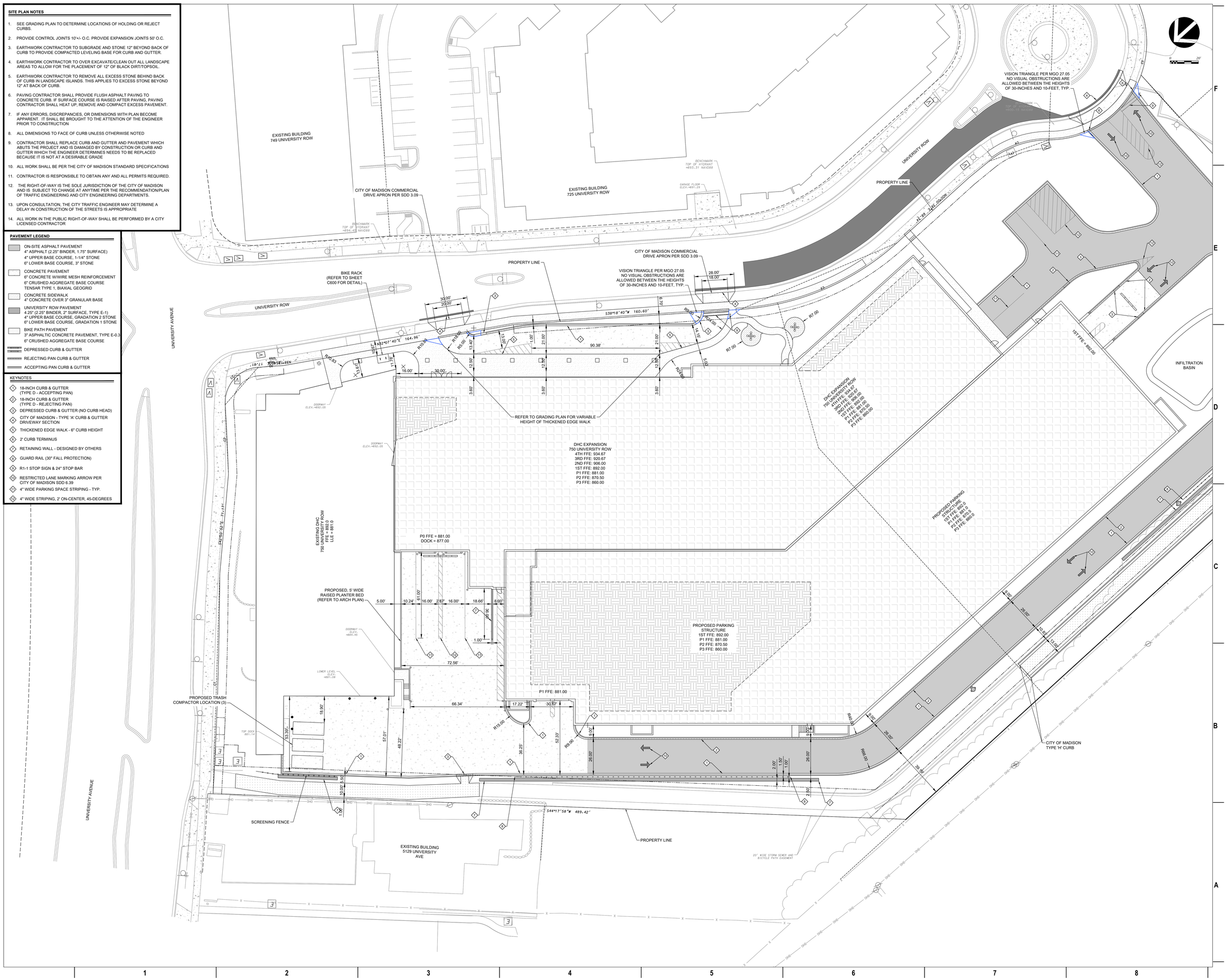
1. SEE GRADING PLAN TO DETERMINE LOCATIONS OF HOLDING OR REJECT CURBS.
2. PROVIDE CONTROL JOINTS 10'+/- O.C. PROVIDE EXPANSION JOINTS 50' O.C.
3. EARTHWORK CONTRACTOR TO SUBGRADE AND STONE 12" BEYOND BACK OF CURB TO PROVIDE COMPACTED LEVELING BASE FOR CURB AND GUTTER.
4. EARTHWORK CONTRACTOR TO OVER EXCAVATE/CLEAN OUT ALL LANDSCAPE AREAS TO ALLOW FOR THE PLACEMENT OF 12" OF BLACK DIRT/TOPSOIL.
5. EARTHWORK CONTRACTOR TO REMOVE ALL EXCESS STONE BEHIND BACK OF CURB IN LANDSCAPE ISLANDS. THIS APPLIES TO EXCESS STONE BEYOND 12" AT BACK OF CURB.
6. PAVING CONTRACTOR SHALL PROVIDE FLUSH ASPHALT PAVING TO CONCRETE CURB. IF SURFACE COURSE IS RAISED AFTER PAVING, PAVING CONTRACTOR SHALL HEAT UP, REMOVE AND COMPACT EXCESS PAVEMENT.
7. IF ANY ERRORS, DISCREPANCIES, OR DIMENSIONS WITH PLAN BECOME APPARENT. IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION
8. ALL DIMENSIONS TO FACE OF CURB UNLESS OTHERWISE NOTED
9. CONTRACTOR SHALL REPLACE CURB AND GUTTER AND PAVEMENT WHICH ABUTS THE PROJECT AND IS DAMAGED BY CONSTRUCTION OR CURB AND GUTTER WHICH THE ENGINEER DETERMINES NEEDS TO BE REPLACED BECAUSE IT IS NOT AT A DESIRABLE GRADE
10. ALL WORK SHALL BE PER THE CITY OF MADISON STANDARD SPECIFICATIONS
11. CONTRACTOR IS RESPONSIBLE TO OBTAIN ANY AND ALL PERMITS REQUIRED.
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13. UPON CONSULTATION, THE CITY TRAFFIC ENGINEER MAY DETERMINE A DELAY IN CONSTRUCTION OF THE STREETS IS APPROPRIATE
14. ALL WORK IN THE PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED BY A CITY LICENSED CONTRACTOR

PAVEMENT LEGEND

- ON-SITE ASPHALT PAVEMENT
  4" ASPHALT (2.25" BINDER, 1.75" SURFACE)
  4" UPPER BASE COURSE, 1-1/4" STONE
  6" LOWER BASE COURSE, 3" STONE
- CONCRETE PAVEMENT
  6" CONCRETE W/WIRE MESH REINFORCEMENT
  6" CRUSHED AGGREGATE BASE COURSE
  TENSAR TYPE 1, BIAXIAL GEOGRID
- CONCRETE SIDEWALK
  4" CONCRETE OVER 3" GRANULAR BASE
- UNIVERSITY ROW PAVEMENT
  4.25" (2.25" BINDER, 2" SURFACE, TYPE E-1)
  4" UPPER BASE COURSE, GRADATION 2 STONE
  6" LOWER BASE COURSE, GRADATION 1 STONE
- BIKE PATH PAVEMENT
  3" ASPHALTIC CONCRETE PAVEMENT, TYPE E-0.3
  6" CRUSHED AGGREGATE BASE COURSE
- DEPRESSED CURB & GUTTER
- REJECTING PAN CURB & GUTTER
- ACCEPTING PAN CURB & GUTTER

KEYNOTES

1. 18-INCH CURB & GUTTER (TYPE D - ACCEPTING PAN)
2. 18-INCH CURB & GUTTER (TYPE D - REJECTING PAN)
3. DEPRESSED CURB & GUTTER (NO CURB HEAD)
4. CITY OF MADISON - TYPE 'A' CURB & GUTTER DRIVEWAY SECTION
5. THICKENED EDGE WALK - 6" CURB HEIGHT
6. 2' CURB TERMINUS
7. RETAINING WALL - DESIGNED BY OTHERS
8. GUARD RAIL (30" FALL PROTECTION)
9. R1-1 STOP SIGN & 24" STOP BAR
10. RESTRICTED LANE MARKING ARROW PER CITY OF MADISON SDD 6.39
11. 4" WIDE PARKING SPACE STRIPING - TYP.
12. 4" WIDE STRIPING, 2' ON-CENTER, 45-DEGREES



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YOUR NATURAL RESOURCE FOR LAND DEVELOPMENT

PROJECT INFORMATION

750 UNIVERSITY ROW EXPANSION

750 University Row
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
05/15/2023	UDC & LAND USE

KEY PLAN

SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

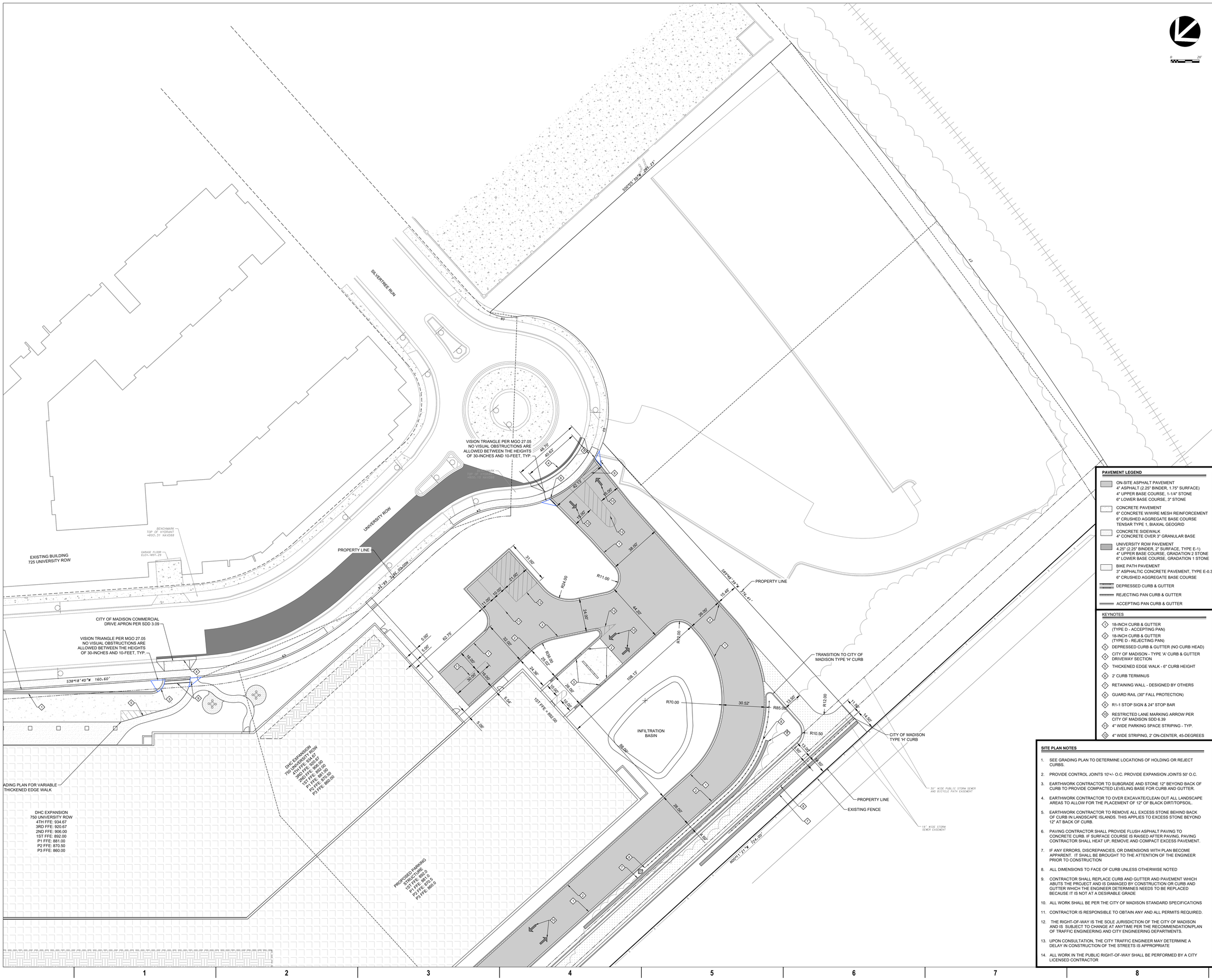
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PROJECT MANAGER	RB
PROJECT NUMBER	422291

SITE PLAN - NORTH

C301

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PAVEMENT LEGEND

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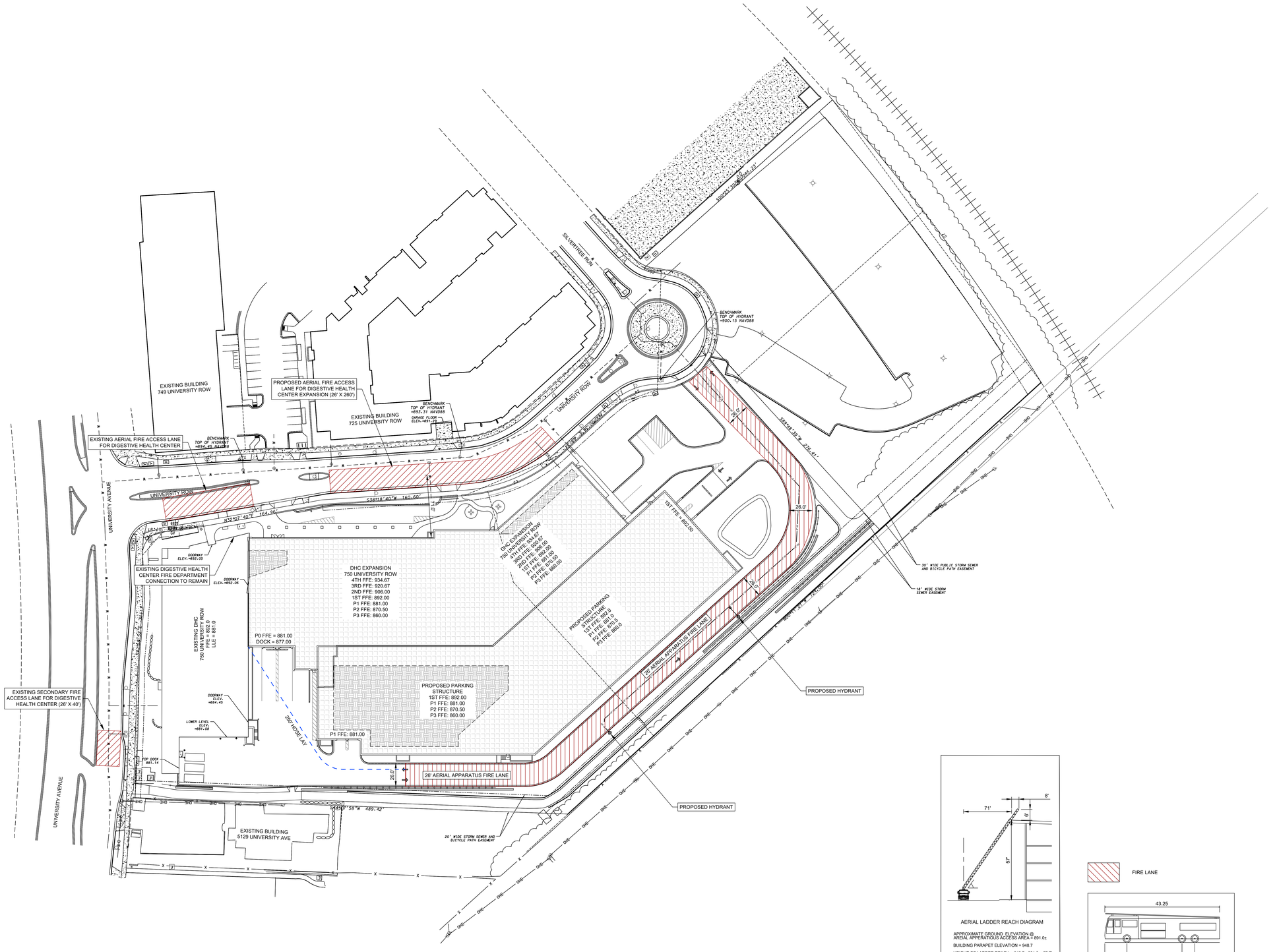
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PROJECT NUMBER	422291

SITE PLAN - SOUTH

C302

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AERIAL LADDER REACH DIAGRAM

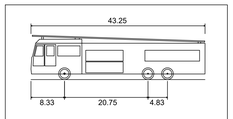
APPROXIMATE GROUND ELEVATION @ AREIAL APPERATIOUS ACCESS AREA = 891.0±

BUILDING PARAPET ELEVATION = 948.7

HEIGHT OF LADDER REACH = 948.7 - 891.0 = 57.7'

Building Roof Eave Height	57'
Truck C/L Rotation Point Height	10'
Rise:	47'
Aerial Fire Lane C/L to Eave	71'
Run:	71'

FIRE LANE



FIRE RESCUE VEHICLE

Overall Length	43.250ft
Overall Width	8.333ft
Overall Body Height	11.000ft
Min Body Ground Clearance	1.393ft
Track Width	8.333ft
Lock-to-lock time	6.00s
Max Wheel Angle	45.00°

0 40'

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PROJECT MANAGER	RB
PROJECT NUMBER	422291

FIRE ACCESS PLAN

C303

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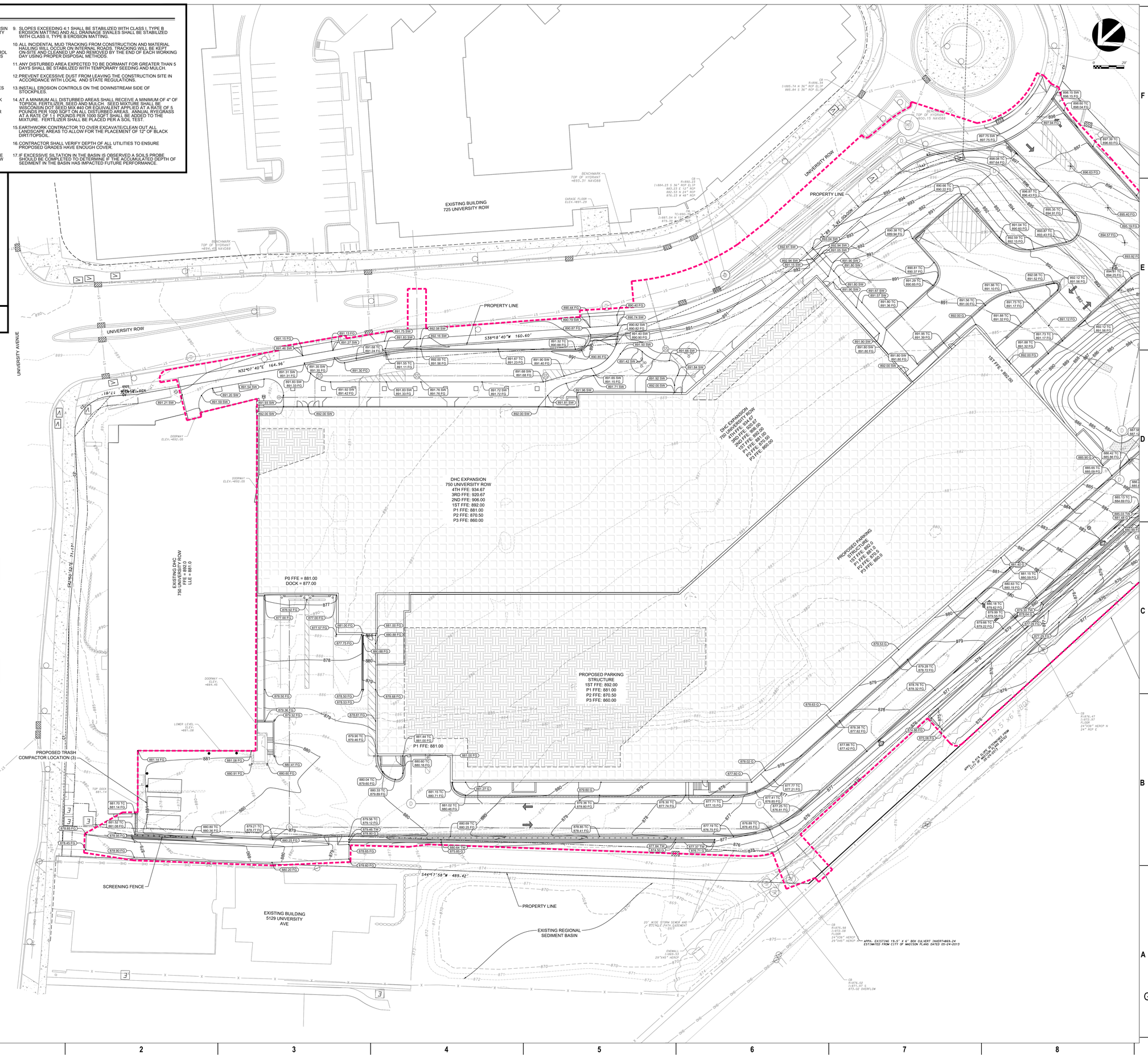
GRADING AND EROSION CONTROL NOTES:

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2. INSTALL EROSION CONTROL MEASURES PRIOR TO ANY SITE WORK, INCLUDING GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIALS AS SHOWN ON PLAN. MODIFICATIONS TO SEDIMENT CONTROL DESIGN MAY BE CONDUCTED TO MEET UNFORESEEN FIELD CONDITIONS IF MODIFICATIONS CONFORM TO WDNR TECHNICAL STANDARDS.
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4. INSPECTIONS AND MAINTENANCE OF ALL EROSION CONTROL MEASURES SHALL BE ROUTINE (ONCE PER WEEK MINIMUM) TO ENSURE PROPER FUNCTION OF EROSION CONTROLS AT ALL TIMES. EROSION CONTROL MEASURES ARE TO BE IN WORKING ORDER AT THE END OF EACH WORK DAY.
5. INSPECT EROSION CONTROL MEASURES AFTER EACH 1/2" OR GREATER RAINFALL. REPAIR ANY DAMAGE OBSERVED DURING THE INSPECTION.
6. NO SITE GRADING OUTSIDE OF THE LIMITS OF DISTURBANCE
7. EROSION CONTROL MEASURES SHALL BE REMOVED ONLY AFTER SITE CONSTRUCTION IS COMPLETE WITH ALL SOIL SURFACES HAVING AN ESTABLISHED VEGETATIVE COVER
8. CUT AND FILL SLOPES SHALL BE NO GREATER THAN 3:1 WITH THE EXCEPTION OF SLOPES SURROUNDING THE UPSTREAM INLET OF THE CULVERT. AREAS OF 2:1 SLOPES AND NO LONGER THAN 30 FEET CAN BE STABILIZED USING CLASS-I, TYPE - B EROSION MAT OTHERWISE FOLLOW WISDOT FDM 10-5 EROSION CONTROL MATRIX.
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12. PREVENT EXCESSIVE DUST FROM LEAVING THE CONSTRUCTION SITE IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.
13. INSTALL EROSION CONTROLS ON THE DOWNSTREAM SIDE OF STOCKPILES.
14. AT A MINIMUM ALL DISTURBED AREAS SHALL RECEIVE A MINIMUM OF 4" OF TOPSOIL FERTILIZER, SEED AND MULCH. SEED MIXTURE SHALL BE WISCONSIN DOT SEED MIX #40 OR EQUIVALENT APPLIED AT A RATE OF 5 POUNDS PER 1000 SQFT ON ALL DISTURBED AREAS. ANNUAL RYEGRASS AT A RATE OF 1.1 POUNDS PER 1000 SQFT SHALL BE ADDED TO THE MIXTURE. FERTILIZER SHALL BE PLACED PER A SOIL TEST.
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16. CONTRACTOR SHALL VERIFY DEPTH OF ALL UTILITIES TO ENSURE PROPOSED GRADES HAVE ENOUGH COVER.
17. IF EXCESSIVE SILTATION IN THE BASIN IS OBSERVED A SOILS PROBE SHOULD BE COMPLETED TO DETERMINE IF THE ACCUMULATED DEPTH OF SEDIMENT IN THE BASIN HAS IMPACTED FUTURE PERFORMANCE.

GRADING PLAN LEGEND

- 965 — PROPOSED CONTOURS
- 966 — EXISTING CONTOURS
- DISTURBED AREA
- 1000.50 TC — SPOT GRADE - TOP (BACK) OF CURB
- 1000.50 TW — SPOT GRADE - TOP OF WALL
- 1000.50 FG — SPOT GRADE - FINISH GRADE (PAVEMENT)
- 1000.50 SW — SPOT GRADE - SIDEWALK FINISH GRADE
- 1000.50 G — SPOT GRADE - GROUND (BOTTOM OF WALL)

LIMITS OF DISTURBANCE = 239,030 SQ FT
= 5.49 AC



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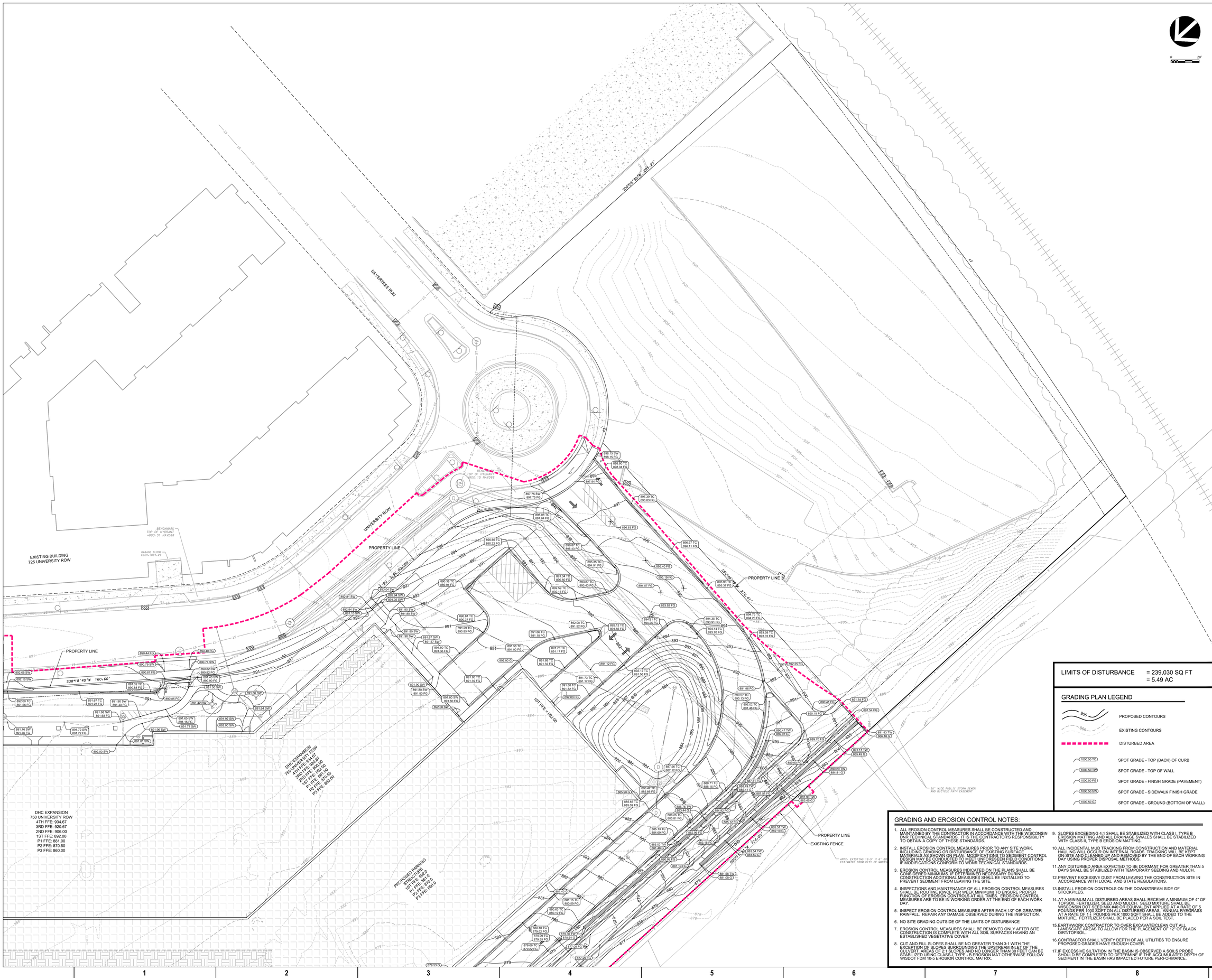
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PROJECT MANAGER	RB
PROJECT NUMBER	422291

GRADING PLAN - NORTH

C401

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LIMITS OF DISTURBANCE = 239,030 SQ FT = 5.49 AC

GRADING PLAN LEGEND

- PROPOSED CONTOURS
- EXISTING CONTOURS
- DISTURBED AREA
- SPOT GRADE - TOP (BACK) OF CURB
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GRADING PLAN - SOUTH

C402

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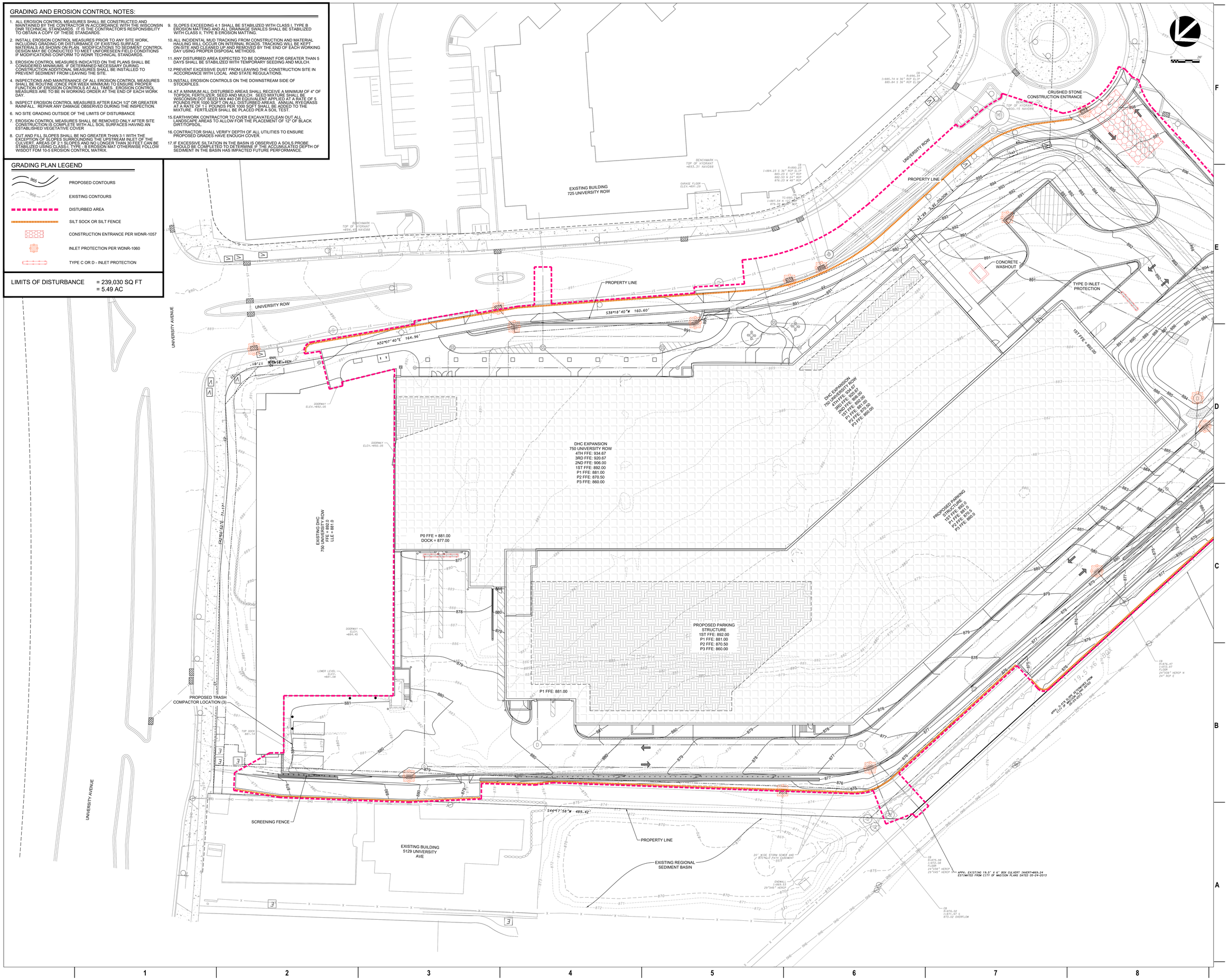
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7. EROSION CONTROL MEASURES SHALL BE REMOVED ONLY AFTER SITE CONSTRUCTION IS COMPLETE WITH ALL SOIL SURFACES HAVING AN ESTABLISHED VEGETATIVE COVER
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9. SLOPES EXCEEDING 4:1 SHALL BE STABILIZED WITH CLASS I, TYPE B EROSION MATTING AND ALL DRAINAGE SWALES SHALL BE STABILIZED WITH CLASS II, TYPE B EROSION MATTING.
10. ALL INCIDENTAL MUD TRACKING FROM CONSTRUCTION AND MATERIAL HAULING WILL OCCUR ON INTERNAL ROADS. TRACKING WILL BE KEPT ON-SITE AND CLEANED UP AND REMOVED BY THE END OF EACH WORKING DAY USING PROPER DISPOSAL METHODS.
11. ANY DISTURBED AREA EXPECTED TO BE DORMANT FOR GREATER THAN 5 DAYS SHALL BE STABILIZED WITH TEMPORT SEEDING AND MULCH.
12. PREVENT EXCESSIVE DUST FROM LEAVING THE CONSTRUCTION SITE IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.
13. INSTALL EROSION CONTROLS ON THE DOWNSTREAM SIDE OF STOCKPILES.
14. AT A MINIMUM ALL DISTURBED AREAS SHALL RECEIVE A MINIMUM OF 4" OF TOPSOIL FERTILIZER, SEED AND MULCH. SEED MIXTURE SHALL BE WISCONSIN DOT SEED MIX #40 OR EQUIVALENT APPLIED AT A RATE OF 5 POUNDS PER 1000 SQFT ON ALL DISTURBED AREAS. ANNUAL RYEGRASS AT A RATE OF 1.1 POUNDS PER 1000 SQFT SHALL BE ADDED TO THE MIXTURE. FERTILIZER SHALL BE PLACED PER A SOIL TEST.
15. EARTHWORK CONTRACTOR TO OVER EXCAVATE/CLEAN OUT ALL LANDSCAPE AREAS TO ALLOW FOR THE PLACEMENT OF 12" OF BLACK DIRT/TOPSOIL.
16. CONTRACTOR SHALL VERIFY DEPTH OF ALL UTILITIES TO ENSURE PROPOSED GRADES HAVE ENOUGH COVER.
17. IF EXCESSIVE SILTATION IN THE BASIN IS OBSERVED A SOILS PROBE SHOULD BE COMPLETED TO DETERMINE IF THE ACCUMULATED DEPTH OF SEDIMENT IN THE BASIN HAS IMPACTED FUTURE PERFORMANCE.

GRADING PLAN LEGEND

- 965 — PROPOSED CONTOURS
- 966 — EXISTING CONTOURS
- DISTURBED AREA
- SILT SOCK OR SILT FENCE
- CONSTRUCTION ENTRANCE PER WDNR-1057
- INLET PROTECTION PER WDNR-1060
- TYPE C OR D - INLET PROTECTION

LIMITS OF DISTURBANCE = 239,030 SQ FT = 5.49 AC



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PROJECT INFORMATION

750 UNIVERSITY ROW EXPANSION

750 University Row
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
05/15/2023	UDC & LAND USE

KEY PLAN

SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

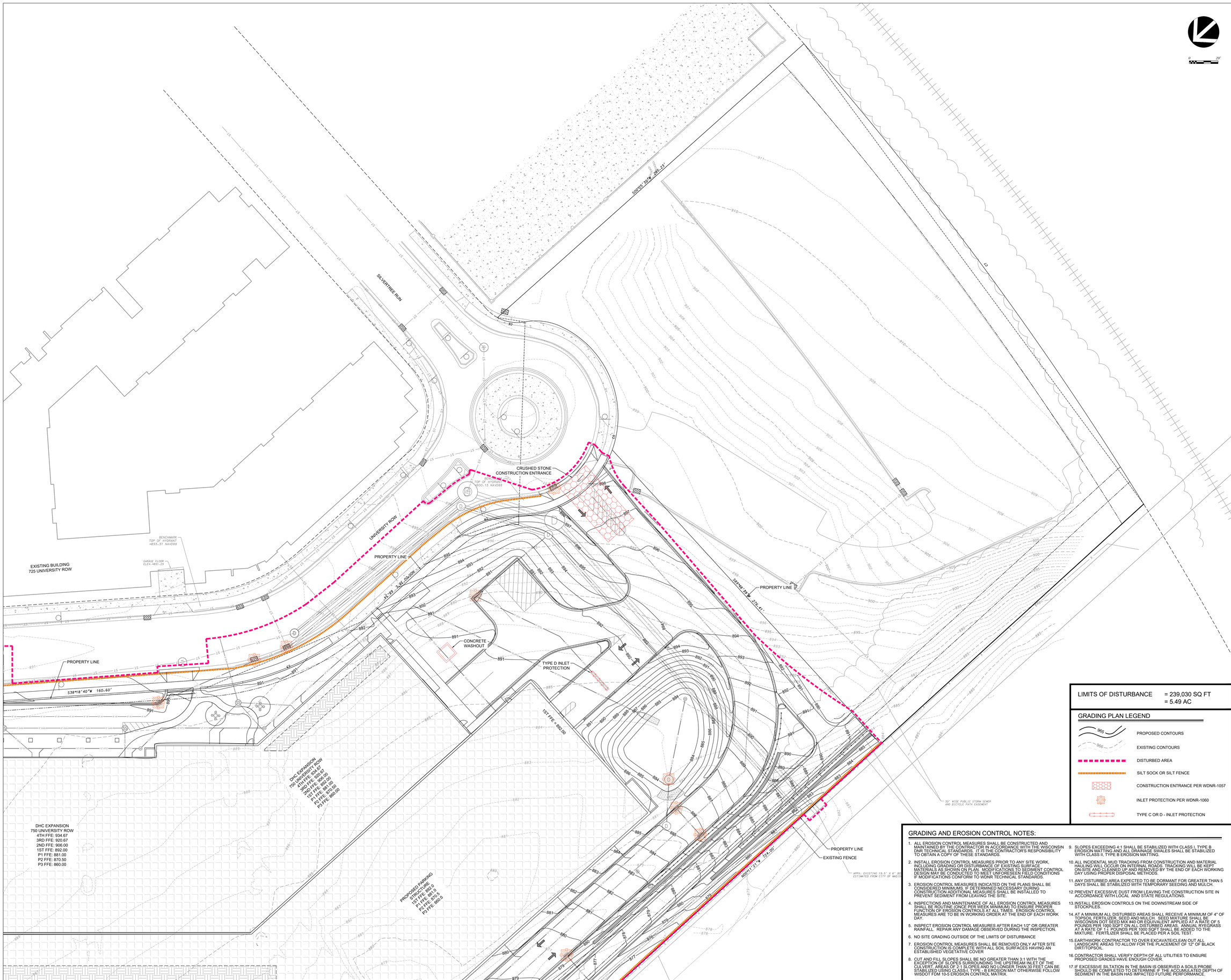
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PROJECT MANAGER	RB
PROJECT NUMBER	422291

EROSION CONTROL PLAN - NORTH

C403

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LIMITS OF DISTURBANCE = 239,030 SQ FT
= 5.49 AC

GRADING PLAN LEGEND

- PROPOSED CONTOURS
- EXISTING CONTOURS
- DISTURBED AREA
- SILT SOCK OR SILT FENCE
- CONSTRUCTION ENTRANCE PER WDNR-1057
- INLET PROTECTION PER WDNR-1060
- TYPE C OR D - INLET PROTECTION

GRADING AND EROSION CONTROL NOTES:

1. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED BY THE CONTRACTOR IN ACCORDANCE WITH THE WISCONSIN DNR TECHNICAL STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THESE STANDARDS.
2. INSTALL EROSION CONTROL MEASURES PRIOR TO ANY SITE WORK, INCLUDING GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIALS AS SHOWN ON PLAN. MODIFICATIONS TO SEDIMENT CONTROL DESIGN MAY BE CONDUCTED TO MEET UNFORESEEN FIELD CONDITIONS IF MODIFICATIONS CONFORM TO WDNR TECHNICAL STANDARDS.
3. EROSION CONTROL MEASURES INDICATED ON THE PLANS SHALL BE CONSIDERED MINIMUMS. IF DETERMINED NECESSARY DURING CONSTRUCTION ADDITIONAL MEASURES SHALL BE INSTALLED TO PREVENT SEDIMENT FROM LEAVING THE SITE.
4. INSPECTIONS AND MAINTENANCE OF ALL EROSION CONTROL MEASURES SHALL BE ROUTINE (ONCE PER WEEK MINIMUM) TO ENSURE PROPER FUNCTION OF EROSION CONTROLS AT ALL TIMES. EROSION CONTROL MEASURES ARE TO BE IN WORKING ORDER AT THE END OF EACH WORK DAY.
5. INSPECT EROSION CONTROL MEASURES AFTER EACH 1/2" OR GREATER RAINFALL. REPAIR ANY DAMAGE OBSERVED DURING THE INSPECTION.
6. NO SITE GRADING OUTSIDE OF THE LIMITS OF DISTURBANCE
7. EROSION CONTROL MEASURES SHALL BE REMOVED ONLY AFTER SITE CONSTRUCTION IS COMPLETE WITH ALL SOIL SURFACES HAVING AN ESTABLISHED VEGETATIVE COVER.
8. CUT AND FILL SLOPES SHALL BE NO GREATER THAN 3:1 WITH THE EXCEPTION OF SLOPES SURROUNDING THE UPSTREAM INLET OF THE CULVERT. AREAS OF 2:1 SLOPES AND NO LONGER THAN 30 FEET CAN BE STABILIZED USING CLASS I, TYPE - B EROSION MAT OTHERWISE FOLLOW WISDOT FDM 10-5 EROSION CONTROL MATRIX.
9. SLOPES EXCEEDING 4:1 SHALL BE STABILIZED WITH CLASS I, TYPE B EROSION MATTING AND ALL DRAINAGE SWALES SHALL BE STABILIZED WITH CLASS II, TYPE B EROSION MATTING.
10. ALL INCIDENTAL MUD TRACKING FROM CONSTRUCTION AND MATERIAL HAULING WILL OCCUR ON INTERNAL ROADS. TRACKING WILL BE KEPT ON-SITE AND CLEANED UP AND REMOVED BY THE END OF EACH WORKING DAY USING PROPER DISPOSAL METHODS.
11. ANY DISTURBED AREA EXPECTED TO BE DORMANT FOR GREATER THAN 5 DAYS SHALL BE STABILIZED WITH TEMPORARY SEEDING AND MULCH.
12. PREVENT EXCESSIVE DUST FROM LEAVING THE CONSTRUCTION SITE IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.
13. INSTALL EROSION CONTROLS ON THE DOWNSTREAM SIDE OF STOCKPILES.
14. AT A MINIMUM ALL DISTURBED AREAS SHALL RECEIVE A MINIMUM OF 4" OF TOPSOIL FERTILIZER, SEED AND MULCH. SEED MIXTURE SHALL BE WISCONSIN DOT SEED MIX #40 OR EQUIVALENT APPLIED AT A RATE OF 5 POUNDS PER 1000 SQFT ON ALL DISTURBED AREAS. ANNUAL RYEGRASS AT A RATE OF 1 ½ POUNDS PER 1000 SQFT SHALL BE ADDED TO THE MIXTURE. FERTILIZER SHALL BE PLACED PER A SOIL TEST.
15. EARTHWORK CONTRACTOR TO OVER EXCAVATE/CLEAN OUT ALL LANDSCAPE AREAS TO ALLOW FOR THE PLACEMENT OF 12" OF BLACK DIRT/TOPSOIL.
16. CONTRACTOR SHALL VERIFY DEPTH OF ALL UTILITIES TO ENSURE PROPOSED GRADES HAVE ENOUGH COVER.
17. IF EXCESSIVE SILTATION IN THE BASIN IS OBSERVED A SOILS PROBE SHOULD BE COMPLETED TO DETERMINE IF THE ACCUMULATED DEPTH OF SEDIMENT IN THE BASIN HAS IMPACTED FUTURE PERFORMANCE.

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PROJECT INFORMATION

750 UNIVERSITY
ROW EXPANSION

750 University Row
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
05/15/2023	UDC & LAND USE

KEY PLAN

SHEET INFORMATION

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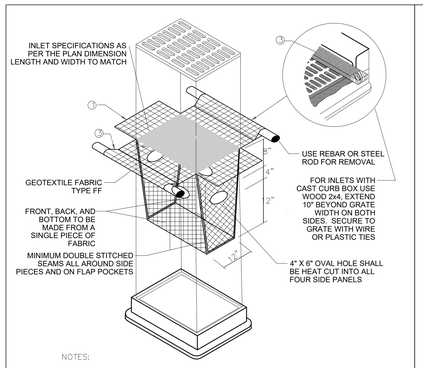
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PROJECT MANAGER	RB
PROJECT NUMBER	422291

EROSION CONTROL
PLAN - SOUTH

C404

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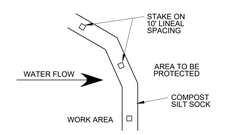


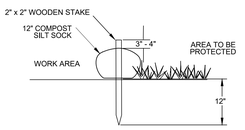
NOTES:

1. FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
2. FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
3. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

TYPE D INLET PROTECTION

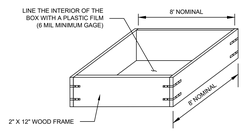
NOT TO SCALE





12" COMPOST SILT SOCK

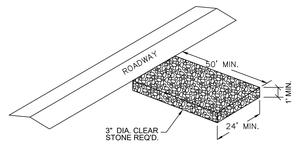
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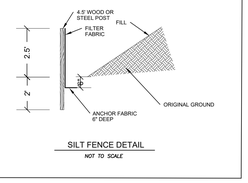
NOTE: CONTENTS OF WASHOUT BOX SHALL BE DISPOSED OF OFF-SITE

CONCRETE WASHOUT BOX DETAIL

NOT TO SCALE



STONE TRACKING PAD DETAIL



SILT FENCE DETAIL

NOT TO SCALE

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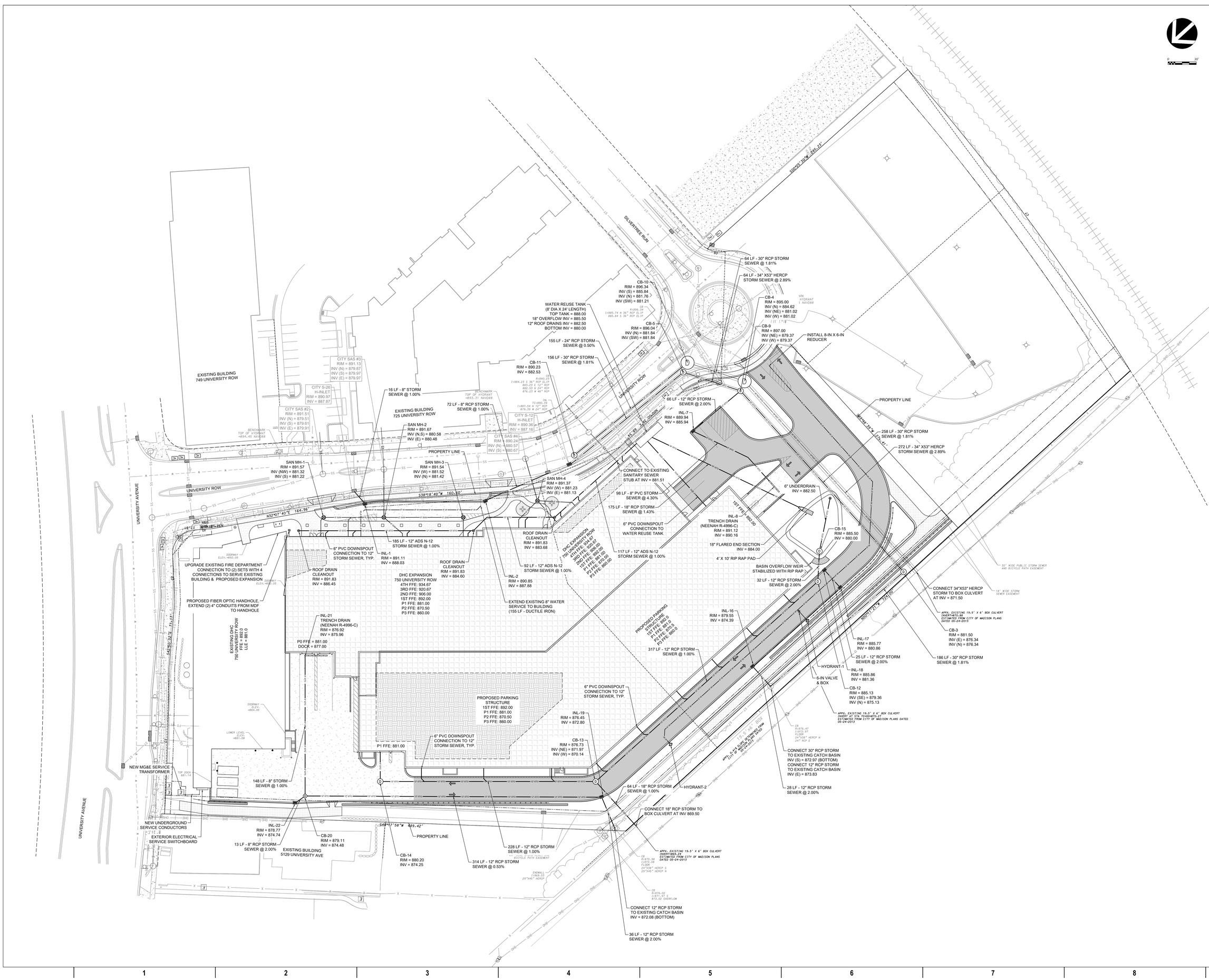
PROJECT MANAGER RB

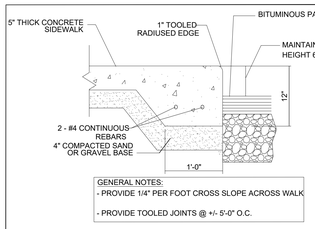
PROJECT NUMBER 422291

EROSION CONTROL DETAILS

C405

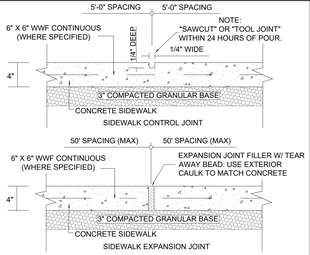
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EXISTING BUILDING
749 UNIVERSITY ROW
EXISTING BUILDING
725 UNIVERSITY ROW
EXISTING BUILDING
5129 UNIVERSITY AVE
UNIVERSITY ROW
UNIVERSITY AVENUE
SILVERTREE RUN
PROPERTY LINE
CITY SAS #3
RIM = 891.13
INV (N) = 879.67
INV (S) = 879.97
INV (E) = 879.97
CITY S-26
H-INLET
RIM = 890.97
INV = 887.87
CITY SAS #2
RIM = 891.51
INV (N) = 879.51
INV (S) = 879.61
INV (E) = 879.91
CITY SAS #4
RIM = 890.24
INV (N) = 880.57
INV (S) = 880.67
CITY S-12
H-INLET
RIM = 890.36
INV = 887.16
SAN MH-1
RIM = 891.57
INV (NW) = 881.32
INV (S) = 881.22
SAN MH-2
RIM = 891.67
INV (N,S) = 880.58
INV (E) = 880.48
SAN MH-3
RIM = 891.54
INV (W) = 881.52
INV (N) = 881.42
SAN MH-4
RIM = 891.37
INV (W) = 881.23
INV (E) = 881.13
WATER REUSE TANK
(8' DIA X 24' LENGTH)
TOP TANK = 888.00
18" OVERFLOW INV = 885.50
12" ROOF DRAINS INV = 882.50
BOTTOM INV = 880.00
CB-10
RIM = 896.34
INV (S) = 885.84
INV (N) = 881.76
INV (SW) = 881.21
CB-4
RIM = 895.00
INV (N) = 884.62
INV (NE) = 881.02
INV (W) = 881.02
CB-5
RIM = 896.04
INV (N) = 881.84
INV (SW) = 881.84
CB-9
RIM = 897.00
INV (NE) = 879.37
INV (W) = 879.37
INSTALL 8-IN X 6-IN
REDUCER
CB-11
RIM = 890.23
INV = 882.53
INL-7
RIM = 889.94
INV = 885.94
INL-8
TRENCH DRAIN
(NEENAH R-4996-C)
RIM = 891.12
INV = 890.16
CB-15
RIM = 885.50
INV = 880.00
INL-1
RIM = 891.11
INV = 888.03
INL-2
RIM = 890.85
INV = 887.88
INL-16
RIM = 879.55
INV = 874.39
INL-17
RIM = 885.77
INV = 880.86
INL-18
RIM = 885.86
INV = 881.36
CB-12
RIM = 885.13
INV (SE) = 879.36
INV (N) = 875.13
CB-3
RIM = 881.50
INV (E) = 876.34
INV (N) = 876.34
INL-19
RIM = 876.45
INV = 872.80
CB-13
RIM = 876.73
INV (NE) = 871.97
INV (W) = 870.14
INL-21
TRENCH DRAIN
(NEENAH R-4996-C)
RIM = 876.92
INV = 875.96
INL-22
RIM = 878.77
INV = 874.74
CB-20
RIM = 879.11
INV = 874.48
CB-14
RIM = 880.20
INV = 874.25
CONNECT TO EXISTING
SANITARY SEWER
STUB AT INV = 881.51
6" UNDERDRAIN
INV = 882.50
HYDRANT-1
HYDRANT-2
6-IN VALVE
& BOX
64 LF - 30" RCP STORM
SEWER @ 1.81%
64 LF - 34" X53" HERCP
STORM SEWER @ 2.89%
66 LF - 12" RCP STORM
SEWER @ 2.00%
258 LF - 30" RCP STORM
SEWER @ 1.81%
272 LF - 34" X53" HERCP
STORM SEWER @ 2.89%
98 LF - 8" PVC STORM
SEWER @ 4.30%
175 LF - 18" RCP STORM
SEWER @ 1.43%
6" PVC DOWNSPOUT
CONNECTION TO
WATER REUSE TANK
18" FLARED END SECTION
INV = 884.00
4' X 10' RIP RAP PAD
BASIN OVERFLOW WEIR
STABILIZED WITH RIP RAP
32 LF - 12" RCP STORM
SEWER @ 2.00%
CONNECT 34"X53" HERCP
STORM TO BOX CULVERT
AT INV = 871.50
APPX. EXISTING 19.5' X 6' BOX CULVERT
INVERT=870.88
ESTIMATED FROM CITY OF MADISON PLANS
DATED 05-24-2013
186 LF - 30" RCP STORM
SEWER @ 1.81%
25 LF - 12" RCP STORM
SEWER @ 2.00%
APPX. EXISTING 19.5' X 6' BOX CULVERT
INVERT AT STA 70+00=870.27
ESTIMATED FROM CITY OF MADISON PLANS DATED
05-24-2013
CONNECT 30" RCP STORM
TO EXISTING CATCH BASIN
INV (S) = 872.97 (BOTTOM)
CONNECT 12" RCP STORM
TO EXISTING CATCH BASIN
INV (E) = 873.83
28 LF - 12" RCP STORM
SEWER @ 2.00%
64 LF - 18" RCP STORM
SEWER @ 1.00%
CONNECT 18" RCP STORM TO
BOX CULVERT AT INV 869.50
APPX. EXISTING 19.5' X 6' BOX CULVERT
INVERT=869.24
ESTIMATED FROM CITY OF MADISON PLANS
DATED 05-24-2013
CONNECT 12" RCP STORM
TO EXISTING CATCH BASIN
INV = 872.08 (BOTTOM)
36 LF - 12" RCP STORM
SEWER @ 2.00%
16 LF - 8" STORM
SEWER @ 1.00%
72 LF - 8" RCP STORM
SEWER @ 1.00%
155 LF - 24" RCP STORM
SEWER @ 0.50%
156 LF - 30" RCP STORM
SEWER @ 1.81%
185 LF - 12" ADS N-12
STORM SEWER @ 1.00%
92 LF - 12" ADS N-12
STORM SEWER @ 1.00%
117 LF - 12" ADS N-12
STORM SEWER @ 1.00%
317 LF - 12" RCP STORM
SEWER @ 1.00%
148 LF - 8" STORM
SEWER @ 1.00%
13 LF - 8" RCP STORM
SEWER @ 2.00%
314 LF - 12" RCP STORM
SEWER @ 0.53%
228 LF - 12" RCP STORM
SEWER @ 1.00%
6" PVC DOWNSPOUT
CONNECTION TO 12"
STORM SEWER, TYP.
DHC EXPANSION
750 UNIVERSITY ROW
4TH FFE: 934.67
3RD FFE: 920.67
2ND FFE: 906.00
1ST FFE: 892.00
P1 FFE: 881.00
P2 FFE: 870.50
P3 FFE: 860.00
EXISTING DHC
750 UNIVERSITY ROW
FF E = 892.0
LL E = 881.0
PROPOSED PARKING
STRUCTURE
1ST FFE: 892.00
P1 FFE: 881.00
P2 FFE: 870.50
P3 FFE: 860.00
PROPOSED FIBER OPTIC HANDHOLE,
EXTEND (2) 4" CONDUITS FROM MDF
TO HANDHOLE
UPGRADE EXISTING FIRE DEPARTMENT
CONNECTION TO (2) SETS WITH 4
CONNECTIONS TO SERVE EXISTING
BUILDING & PROPOSED EXPANSION
EXTEND EXISTING 8" WATER
SERVICE TO BUILDING
(155 LF - DUCTILE IRON)
ROOF DRAIN
CLEANOUT
RIM = 891.83
INV = 886.45
ROOF DRAIN
CLEANOUT
RIM = 891.83
INV = 884.60
ROOF DRAIN
CLEANOUT
RIM = 891.83
INV = 883.68
P0 FFE = 881.00
DOCK = 877.00
NEW MG&E SERVICE
TRANSFORMER
NEW UNDERGROUND
SERVICE CONDUCTORS
EXTERIOR ELECTRICAL
SERVICE SWITCHBOARD
6" PVC DOWNSPOUT
CONNECTION TO 12"
STORM SEWER, TYP.
S00°02'30"W 485.21'
N00°11'41"W 744.00'
S38°18'40"W 160.50'
N32°07'40"E 164.96'
S54°17'58"W 489.42'
S42°50'52"E 71.11'
30' WIDE PUBLIC STORM SEWER
AND BICYCLE PATH EASEMENT
18' WIDE STORM
SEWER EASEMENT
BENCHMARK
TOP OF HYDRANT
=894.45 NAVD88
DOORWAY
ELEV.=895.05
DOORWAY
ELEV.=894.45
LOWER LEVEL
ELEV.=881.08
TOP DOCK
=881.14
SHD
SHD
SHD



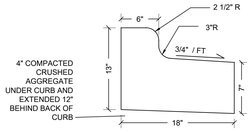
THICKENED EDGE CONCRETE WALK DETAIL

NOT TO SCALE



SIDEWALK

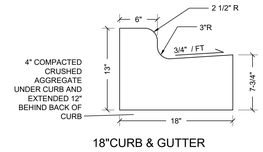
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18" REJECT CURB & GUTTER

CURB & GUTTER DETAIL

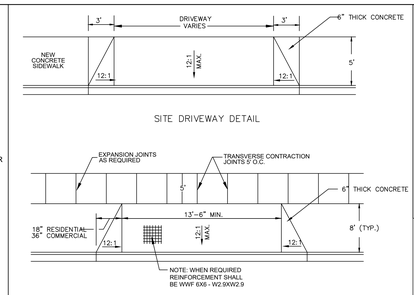
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18"CURB & GUTTER

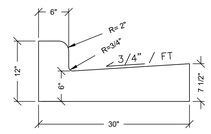
CURB & GUTTER DETAIL

NOT TO SCALE



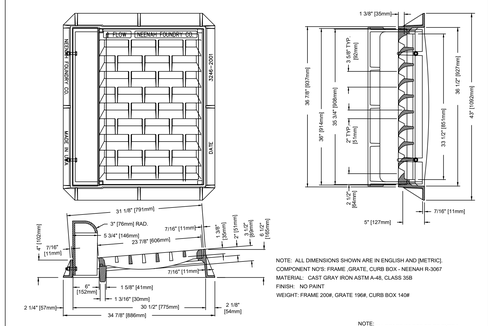
CONCRETE DRIVEWAY

NOT TO SCALE



30" CURB & GUTTER

NOT TO SCALE

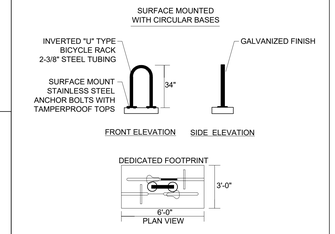


NOTE: ALL DIMENSIONS SHOWN ARE IN ENGLISH AND [METRIC].
COMPONENT NO'S: FRAME ,GRATE, CURB BOX - NEENAH R-3067
MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B
FINISH: NO PAINT
WEIGHT: FRAME 200#, GRATE 196#, CURB BOX 140#

NOTE
1. ALL ON-GRADE INLETS TO BE TYPE L
2. ALL LOW POINT INLETS TO BE TYPE R
3. INSTALL 6" UNDERDRAIN AT ALL LOW POINT INLETS. UNDERDRAIN SHALL EXTEND UNDER CURB AND GUTTER 20 FEET IN BOTH DIRECTIONS FROM INLET.

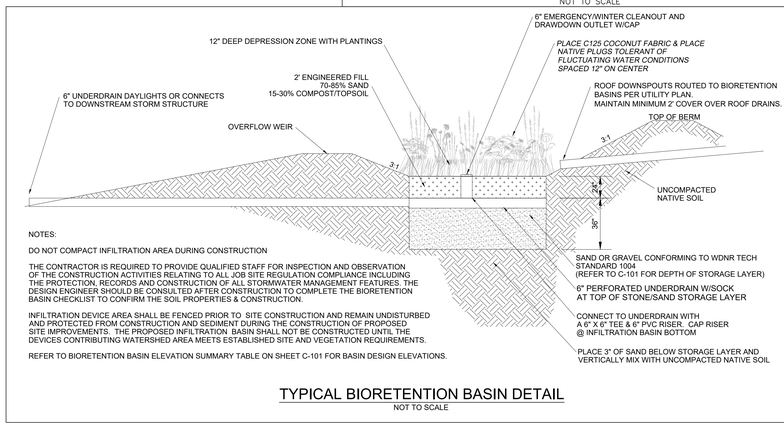
FRAME, TYPE "L" GRATE AND CURB BOX

NOT TO SCALE



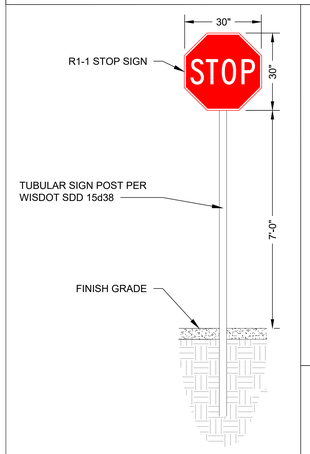
BIKE RACK DETAIL - MADRAX 'U' RACK

NOT TO SCALE



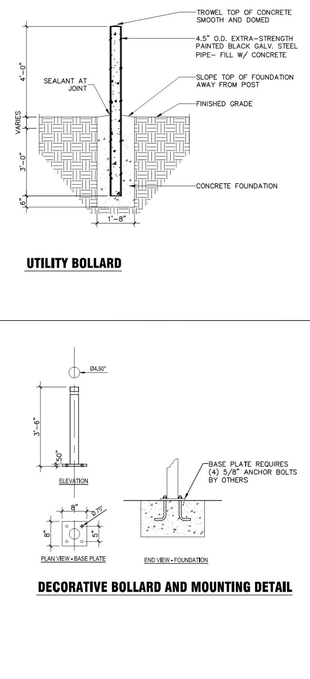
TYPICAL BIORETENTION BASIN DETAIL

NOT TO SCALE



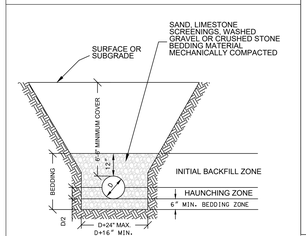
STOP SIGN

NOT TO SCALE



UTILITY BOLLARD

DECORATIVE BOLLARD AND MOUNTING DETAIL



THE COSTS OF BEDDING SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE PIPE. THE BEDDING INCLUDES THE BEDDING, HAUNCHING AND INITIAL BACKFILL ZONES. THE BEDDING SHALL BE INSTALLED AND COMPACTED IN 6" MAXIMUM LIFTS.

UTILITY TRENCH BACKFILL DETAIL

NOT TO SCALE

eua
milwaukee | madison | green bay | denver | atlanta
333 East Chicago Street
Milwaukee, WI 53202
(414) 271-5350
www.eua.com

UWHealth
KRUPP
GENERAL CONTRACTORS

D'ONOFRIO KOTTKE AND ASSOCIATES, INC.
7530 Westward Way, Madison, WI 53717
Phone: 608.833.7530 • Fax: 608.833.1089
YOUR NATURAL RESOURCE FOR LAND DEVELOPMENT

PROJECT INFORMATION

750 UNIVERSITY ROW EXPANSION

750 University Row
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
05/15/2023	UDC & LAND USE

KEY PLAN

SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER RB

PROJECT NUMBER 422291

CONSTRUCTION DETAILS

C600

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1 2 3 4 5 6 7 8

F E D C B A



LEGEND

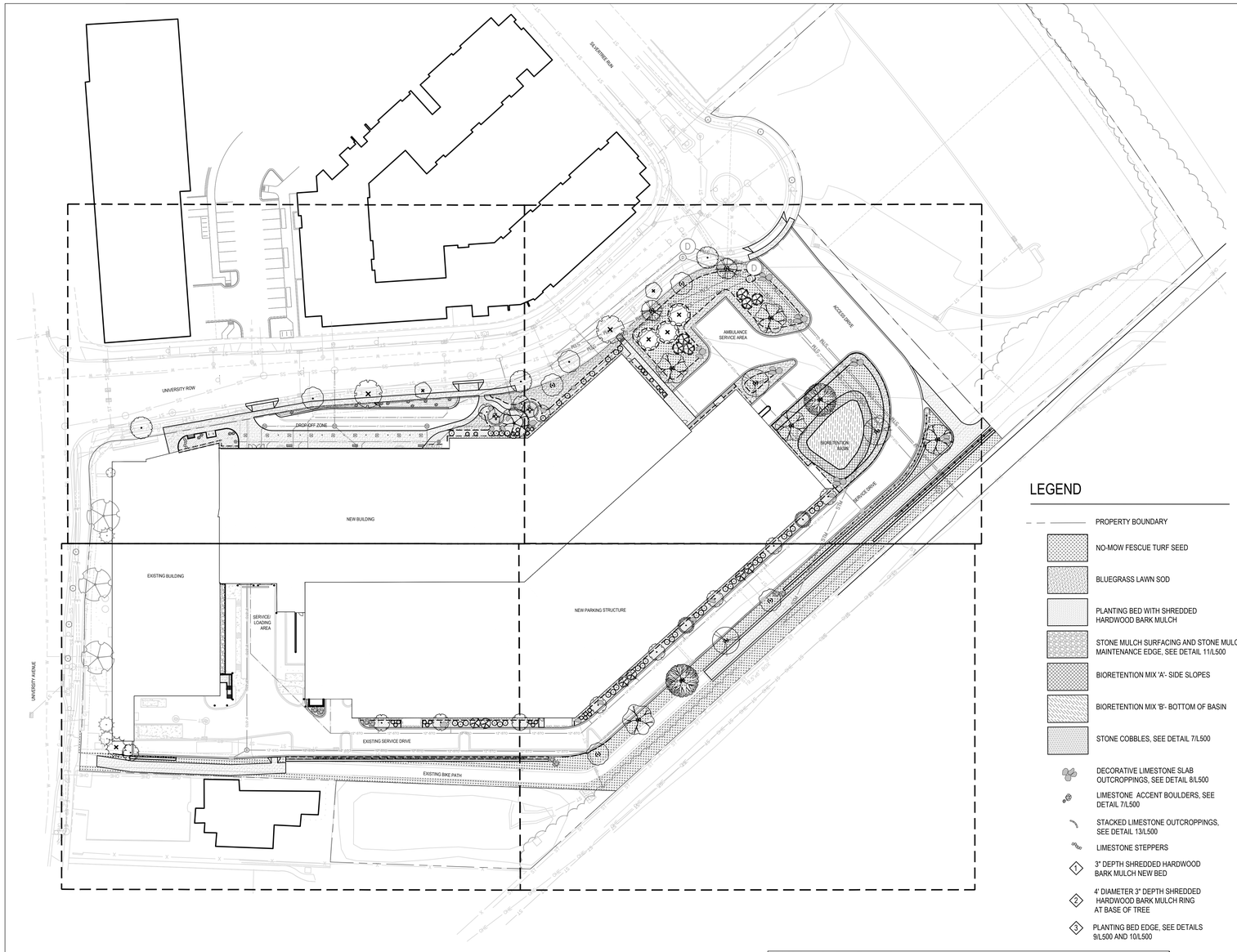
- PROPERTY BOUNDARY
- NO-MOW FESCUE TURF SEED
- BLUEGRASS LAWN SOD
- PLANTING BED WITH SHREDDED HARDWOOD BARK MULCH
- STONE MULCH MAINTENANCE EDGE, SEE DETAIL 10/L500
- BIORETENTION MIX 'A'- SIDE SLOPES
- BIORETENTION MIX 'B'- BOTTOM OF BASIN
- STONE COBBLES, SEE DETAIL 11/L500
- LIMESTONE OUTCROPPINGS
- LIMESTONE ACCENT BOULDERS
- 1 — 3" DEPTH SHREDDED HARDWOOD BARK MULCH NEW BED
- 2 — 4' DIAMETER 3" DEPTH SHREDDED HARDWOOD BARK MULCH RING AT BASE OF TREE
- 3 — SHOVEL-CUT EDGE, SEE DETAIL 8/L500

0 40' 80'
1" = 40'

NORTH

1 UW Health Univeristy Row
SCALE: 1" = 40'

saiki DESIGN



LEGEND

- PROPERTY BOUNDARY
- NO-MOW FESCUE TURF SEED
- BLUEGRASS LAWN SOD
- PLANTING BED WITH SHREDDED HARDWOOD BARK MULCH
- STONE MULCH SURFACING AND STONE MULCH MAINTENANCE EDGE, SEE DETAIL 11/L500
- BIORETENTION MIX 'A'- SIDE SLOPES
- BIORETENTION MIX 'B'- BOTTOM OF BASIN
- STONE COBBLES, SEE DETAIL 7/L500
- DECORATIVE LIMESTONE SLAB OUTCROPPINGS, SEE DETAIL 8/L500
- LIMESTONE ACCENT BOULDERS, SEE DETAIL 7/L500
- STACKED LIMESTONE OUTCROPPINGS, SEE DETAIL 13/L500
- LIMESTONE STEPPERS
- 1 — 3" DEPTH SHREDDED HARDWOOD BARK MULCH NEW BED
- 2 — 4' DIAMETER 3" DEPTH SHREDDED HARDWOOD BARK MULCH RING AT BASE OF TREE
- 3 — PLANTING BED EDGE, SEE DETAILS 9/L500 AND 10/L500

PLANT SCHEDULE

EVERGREEN TREES	CODE	BOTANICAL / COMMON NAME	CONT	HEIGHT	NOTES	QTY
	JS2	Juniperus chinensis 'Spartan' / Spartan Juniper	B & B	6` HT. (MIN.)	Single, straight leader	18
	PGD	Picea glauca `Densata` / Black Hills Spruce	B & B	6` HT. (MIN.)	Single, straight leader	12
	PF	Picea pungens 'Fastigiata' / Columnar Colorado Spruce	B & B	4` HT. (MIN.)	Single, straight leader	29
	PG2	Picea pungens 'Glauca' / Blue Colorado Spruce	B & B	6` HT. (MIN.)	Single, straight leader	4
	PS2	Picea pungens glauca 'Hoopsii' / Hoopsii Blue Spruce	B & B	6` HT. (MIN.)	Single, straight leader	2
	TO	Thuja occidentalis North Pole / American Arborvitae	B & B	5` HT. (MIN.)	Single, straight leader	25

ORNAMENTAL TREES	CODE	BOTANICAL / COMMON NAME	CONT	CAL	HEIGHT	QTY
	ALC	Amelanchier laevis `Cumulus` / Cumulus Allegheny Serviceberry	B & B	2"Cal	6` H (MIN.)	3

DECIDUOUS TREES	CODE	BOTANICAL / COMMON NAME	CONT	CAL	HEIGHT / NOTES	QTY
	AFJ	Acer freemanii `Jeffersred` TM / Autumn Blaze Maple	B & B	2.5"Cal	6` H (MIN.)	4
	AM	Acer miyabei 'Morton' / State Street™ Miyabe Maple	B & B	2.5"Cal	6` H (MIN.)	3
	AA	Acer x freemanii 'Armstrong' / Armstrong Freeman Maple	B & B	2.5"Cal	6` H (MIN.)	9
	CJ2	Carpinus caroliniana 'J.N. Strain' / J.N. Strain American Hornbeam	B & B	2"Cal	6` H (MIN.)	2
	CO	Celtis Occidentalis / Common Hackberry	B & B	2"Cal	Single, Straight Leader, Inspection by City Forestry Required	2
	GTS	Gleditsia triacanthos `Skyline` / Skyline Honey Locust	B & B	2.5"Cal	6` H (MIN.)	2
	GD2	Gleditsia triacanthos inermis 'Draves' / Street Keeper® Honey Locust	B & B	2"Cal	Single, Straight Leader, Inspection by City Forestry Required	3
	OV	Ostrya virginiana / American Hophornbeam	B & B	2"Cal	6` H (MIN.)	4
	OV2	Ostrya virginiana / American Hophornbeam	B & B	2"Cal	Single, Straight Leader, Inspection by City Forestry Required	2
	TA	Tilia americana 'Kromm' / Sweet Street™ American Linden	B & B	2"Cal	Single, Straight Leader, Inspection by City Forestry Required	2
	UAP	Ulmus americana `Princeton` / American Elm	B & B	2.5"Cal	6` H (MIN.)	2

DECIDUOUS SHRUBS	CODE	BOTANICAL / COMMON NAME	CONT	HEIGHT	SPACING	QTY
	Aib	Aronia melanocarpa `Iroquois Beauty` TM / Black Chokeberry	3 gal	18" HT (MIN.)	42" o.c.	10
	AI	Aronia melanocarpa 'UCONNAM165' / Low Scape Mound® Black Chokeberry	3 gal	12" HT (MIN.)	24" o.c.	12
	Cs	Calycanthus floridus / Sweetshrub	3 gal	18" HT (MIN.)	60" o.c.	5
	Cac	Cornus sericea `Alleman`s Compact` / Dwarf Red Twig Dogwood	3 gal	18" HT. MIN.	54" o.c.	8
	Dlc	Diervilla lonicera `Copper` / Copper Low Bush Honeysuckle	3 gal	18" HT (MIN.)	36" o.c.	5
	Hv	Hamamelis virginiana / Common Witch Hazel	5 gal	4` HT. (MIN.)	144" o.c.	1
	Hd	Hydrangea arborescens 'Dardom' / White Dome™ Hydrangea	3 gal	18" HT (MIN.)	48" o.c.	16
	Iv	Ilex verticillata 'Jim Dandy' / Jim Dandy Winterberry	3 gal	18" HT. (MIN.)	72" o.c.	3
	Ir	Ilex verticillata 'Red Sprite' / Red Sprite Winterberry	3 gal	12" HT (MIN.)	48" o.c.	6
	Rgl	Rhus aromatica `Gro-Low` / Gro-Low Fragrant Sumac	3 gal	12" HT (MIN.)	60" o.c.	18

EVERGREEN SHRUBS	CODE	BOTANICAL / COMMON NAME	CONT	HEIGHT	SPACING	QTY
	Jc	Juniperus sabina 'Monna' / Calgary Carpet® Juniper	3 gal	6" HT (MIN.)	48" o.c.	7
	Pc	Pinus mugo 'Compacta' / Dwarf Mugo Pine	5 gal	18" HT (MIN.)	48" o.c.	9
	Tmt	Taxus x media `Tauntoni` / Tauton Yew	3 gal	18" HT (MIN.)	60" o.c.	10

HERBACEOUS PERENNIALS	CODE	BOTANICAL / COMMON NAME	CONT	HEIGHT	SPACING	QTY
	baa	Baptisia australis / Blue False Indigo	1 gal	12" HT (MIN.)	33" o.c.	12
	snc	Salvia nemorosa `Caradonna` / Cardonna Perennial Salvia	1 gal	12" HT (MIN.)	24" o.c.	8

ORNAMENTAL GRASSES	CODE	BOTANICAL / COMMON NAME	SIZE	SIZE	SPACING	QTY
	bba	Bouteloua gracilis `Blonde Ambition` / Blonde Ambition Blue Grama Grass	1 gal	12" HT (MIN.)	24" o.c.	7
	co2	Calamagrostis x acutiflora 'Overdam' / Overdam Feather Reed Grass	1 gal	12" HT (MIN.)	24" o.c.	22
	pnw	Panicum virgatum `North Wind` / Northwind Switch Grass	1 gal	18" HT (MIN.)	36" o.c.	21
	stb	Schizachyrium scoparium `The Blues` / The Blues Little Bluestem	1 gal	12" HT (MIN.)	18" o.c.	33
	sa	Sesleria autumnalis / Autumn Moor Grass	1 gal	12" HT (MIN.)	18" o.c.	43
	sht	Sporobolus heterolepis `Tara` / Prairie Dropseed	1 gal	12" HT (MIN.)	18" o.c.	6

GROUND COVERS	CODE	BOTANICAL / COMMON NAME	CONT	SPACING	QTY
		BIORETENTION MIX 'A' - SIDE SLOPES			
	Ac	Anemone canadensis / Canadian Anemone	2 1/2" Plug	12" o.c.	150
	Ae	Aster ericoides / Heath Aster	2 1/2" Plug	12" o.c.	150
	Cc	Carex comosa / Longhair Sedge	2 1/2" Plug	12" o.c.	150
	Ep	Echinacea pallida / Pale Purple Coneflower	2 1/2" Plug	12" o.c.	166
	Ev	Elymus virginicus / Virginia Wild Rye	2 1/2" Plug	12" o.c.	150
	Ep2	Eupatorium perfoliatum / Common Boneset	2 1/2" Plug	12" o.c.	150
	Ls2	Liatris spicata / Blazing Star	2 1/2" Plug	12" o.c.	150
	Pd	Penstemon digitalis / Beardtongue	2 1/2" Plug	12" o.c.	150
	Rh	Rudbeckia hirta / Black-eyed Susan	2 1/2" Plug	12" o.c.	150
	Sh	Sporobolus heterolepis / Prairie Dropseed	2 1/2" Plug	12" o.c.	150
	Vh	Verbena hastata / Blue Vervain	2 1/2" Plug	12" o.c.	150
		BIORETENTION MIX 'B' - BOTTOM OF BASIN			
	Ai	Asclepias incarnata / Swamp Milkweed	2 1/2" Plug	12" o.c.	213
	Ch	Carex hystericina / Porcupine Sedge	2 1/2" Plug	12" o.c.	213
	Cm	Carex muskingumensis / Palm Sedge	2 1/2" Plug	12" o.c.	213
	Cv	Carex vulpinoidea / Fox Sedge	2 1/2" Plug	12" o.c.	213
	Ep3	Eupatorium perfoliatum / Common Boneset	2 1/2" Plug	12" o.c.	213
	Is	Iris virginica shrevei / Shreve's Iris	2 1/2" Plug	12" o.c.	213
	Ls3	Liatris spicata / Blazing Star	2 1/2" Plug	12" o.c.	213
	Ls4	Lobelia siphilitica / Great Lobelia	2 1/2" Plug	12" o.c.	213
	Mb	Monarda fistulosa / Bergamot	2 1/2" Plug	12" o.c.	213
	Vh2	Verbena hastata / Blue Vervain	2 1/2" Plug	12" o.c.	213

NOTES

1. FIELD VERIFY SURVEY INFORMATION PRIOR TO START OF CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE PROJECT REPRESENTATIVE.
2. CONTACT DIGGER'S HOTLINE TO LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO STARTING WORK.
3. FIELD VERIFY ALL EXISTING SITE CONDITIONS AND UTILITIES PRIOR TO STARTING WORK. ANY DAMAGE CAUSED TO UTILITIES, EITHER SHOWN OR NOT, SHALL BE REPAIRED AND PAID FOR AT THE CONTRACTOR'S EXPENSE.
4. PROTECT ALL BENCHMARKS.
5. PROTECT ALL EXISTING PAVEMENTS, CURBS, UTILITIES, AND OTHER IMPROVEMENTS (TO REMAIN) FROM CONSTRUCTION ACTIVITIES. RESTORE ALL AREAS DISTURBED BY CONSTRUCTION RELATED ACTIVITIES TO EXISTING CONDITIONS AT COMPLETION OF WORK UNLESS SHOWN OTHERWISE ON PLANS.
6. PROVIDE INFILTRATION TESTING PRIOR TO PLACEMENT OF ENGINEERED SOIL FOR EACH BIOINFILTRATION AREA.
7. VERIFY THAT SPECIFIED TOPSOIL, PLANTING MIXTURE, AND ENGINEERED SOIL DEPTHS ARE PRESENT PRIOR TO PLANTING PER SECTION 32 91 13 'SOIL PREPARATION. NOTIFY PROJECT REPRESENTATIVE OF ANY NON-CONFORMING CONDITIONS.
8. ALL WRAPPINGS, WIRE BASKETS, BURLAP, AND OTHER MISCELLANEOUS MATERIAL SHALL BE COMPLETELY REMOVED FROM ALL SHRUB AND TREE ROOT BALLS PRIOR TO INSTALLATION.
9. ALL EXISTING PLANT MATERIAL IS SHOWN AT EXISTING APPROXIMATE SIZE PER CITY OF MADISON STANDARDS.
10. ALL EXISTING LAWN AREAS WITHIN AND ADJACENT TO THE PROJECT SITE THAT ARE DISTURBED BY CONSTRUCTION ACTIVITIES INCLUDING, BUT NOT LIMITED TO, UTILITY TRENCHING, ACCESS, OR MATERIALS STORAGE SHALL BE REPAIRED WITH SEED PER SECTION 32 92 00, 'TURF AND GRASSES.'
11. THIS PROJECT PROPOSES THE REMOVAL OF SEVEN (7) EXISTING TREES IN THE UNIVERSITY ROW TERRACE. THE CONTRACTOR SHALL CONTACT CITY FORESTRY AT (608)266-4816 TO ISSUE A STREET TREE REMOVAL PERMIT FOR THE FOLLOW TREE REMOVALS DUE TO CRANE/STAGING CONFLICT AND MAJOR STORM UTILITY RELOCATION ALONG THE UNIVERSITY ROW RIGHT-OF-WAY:
    - (1) 5" LINDEN
    - (2) 4" KENTUCKY COFFEETREES
    - (1) 3" GINKGO
    - (1) 4" GINKGO
    - (1) 3" KENTUCKY COFFEETREE
    - (1) 4" HACKBERRY

    CONTRACTOR WILL BE RESPONSIBLE FOR REMOVAL OF THE TREE AND FOR ALL COORDINATION AND PERMITTING WITH CITY FORESTRY STAFF.
12. CONTRACTORS SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO NOT DISFIGURE, SCAR, OR IMPAIR THE HEALTH OF ANY STREET TREE(S0. CONTRACTOR SHALL OPERATE EQUIPMENT IN A MANNER AS TO NOT DAMAGE THE BRANCHES OF THE STREET TREES. THIS MAY REQUIRE USING SMALLER EQUIMPENT AND LOADING AN DUNLOADING MATIERIALS IN A DESIGNATED SPACE AWAY FROM TREES ON THE CONSTRUCTION SITE. ANY DAMAGE OR INJURY TO EXISTING STREET TREES (EITHER ABOVE OR BELOW GROUND) SHALL BE REPORTED IMMEDIATELY TO CITY FORESTRY AT (608) 266-4816. PENALTIES AND REMEDIATION SHALL BE REQUIRED.
13. AS DEFINED BY THE SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: NO EXCAVATIONS PERMITTED WITHIN 5 FEET OF THE TRUNK OF THE STREET TREE OR WHEN CUTTING ROOTS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT MADISON CITY FORESTRY AT (608) 266-4816 PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE: HTTPS://WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS.CFM.
14. SECTION 107.13(G) OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (WEBSITE: HTTPS://WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS.CFM) ADDRESSES SOIL COMPACTION NEAR STREET TREES AND SHALL BE FOLLOWED BY CONTRACTOR. THE STORAGE OF PARKED VEHICLES. CONSTRUCTION EQUIPMENT, BUILDING MATERIALS, REFUSE, EXCAVATED SPOILS OR DUMPING OF POISONOUS MATERIALS ON OR AROUND TREES AND ROOTS WITHIN FIVE (5) FEET OF THE TREE OR WITHIN THE PROTECTION ZONE IS PROHIBITED.
15. AT LEAST ONE WEEK PRIOR TO STREET TREE PLANTING, THE CONTRACTOR SHALL CONTACT DIGGERS HOTLINE TO HAVE ALL UTILITIES MARKED AND SUBSEQUENTLY CONTACT CITY FORESTRY AT (608) 266-4816 TO SCHEDULE INSPECTION AND APPROVAL OF NURSERY TREE STOCK AND REVIEW PLANTING SPECIFICATIONS WITH THE LANDSCAPER.
16. ANY STREET TREE REMOVALS REQUESTED AFTER THE DEVELOPMENT PLAN IS APPROVED BY THE PLAN COMMISSION OR THE BOARD OF PUBLIC WORKS AND CITY FORESTRY WILL REQUIRE A MINIMUM OF A72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ALDERPERSON WITHIN WHOSE DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED.

750 University Row Expansion
Madison, WI
05-12-2023
Planned Development (PD) Zoning

Developed Lots	SF	Acres	Landscape Points Subtotal
Total Developed Area (Lot - Building Area)	305,262	7.01	
Landscape Points (5 pts/300 SF for first 5 acres, 1 pt/100 SF for additional)			5088
		Landscape Points Required	5088

Development Frontage - University Avenue	LF		Overstory Trees Required *	Shrubs Required
Total LF of Street Frontage Between Parking/Building & Street	310		10	52
Element	**Point Value**	**Quantity Proposed**	**Quantity Existing**	**Points Achieved**
Overstory Deciduous Tree	35	0	3	105
Tall Evergreen Tree	35	0	2	70
Ornamental Tree	15	0	5	75
Upright Evergreen Shrub	10	0	0	0
Shrub, deciduous	3	0	55	165
Shrub, evergreen	4	0	42	168
Ornamental Grass/Perennial	2	0	0	0
			Development Frontage Points Total	583

Development Frontage - University Row	LF		Overstory Trees Required *	Shrubs Required
Total LF of Street Frontage Between Parking/Building & Street	824		27	137
Element	**Point Value**	**Quantity Proposed**	**Quantity Existing**	**Points Achieved**
Overstory Deciduous Tree	35	14	0	490
Tall Evergreen Tree	35	24	0	840
Ornamental Tree	15	3	0	45
Upright Evergreen Shrub	10	0	0	0
Shrub, deciduous	3	43	12	165
Shrub, evergreen	4	26	2	112
Ornamental Grass	2	126	10	272
			Development Frontage Points Total	1924

General Site, Foundation, Screening			
Element	**Point Value**	**Quantity Proposed**	**Quantity Existing**	**Points Achieved**
Existing Overstory Deciduous Tree (caliper " at DBH)	14	0	0	0
Overstory Deciduous Tree	35	21	0	735
Tall Evergreen Tree	35	67	0	2345
Ornamental Tree	15	0	0	0
Upright Evergreen Shrub	10	0	0	0
Shrub, deciduous	3	41	0	123
Shrub, evergreen	4	0	0	0
Ornamental Grass/Perennial	2	0	0	0
Ornamental/Decorative Fence or Wall (4 pts/10 LF)	4	0	0	0
			Foundation Plantings Total	3203
			TOTAL LANDSCAPE POINTS	5710

1 LANDSCAPE PLAN OVERVIEW
SCALE: 1" = 40' - 0" ON 36" x 48" SHEET

0 40' 80'
1" = 40'-0"
NORTH

eua
milwaukee | madison | green bay | denver | atlanta
333 East Chicago Street
Milwaukee, WI 53202
(414) 271-5350
www.eua.com
PROJECT CONTACT: Rob Beisenstein
DIRECT PHONE: 414-291-8145
EMAIL ADDRESS: robb@eua.com

UW Health
KRUPP GENERAL CONTRACTORS
Affiliated Engineers
PIERCE ENGINEERS, INC.
saiki DESIGN

PROJECT INFORMATION

750 UNIVERSITY ROW EXPANSION

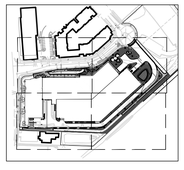
750 University Row
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
05/15/2023	UDC & LAND USE

WISCONSIN Abbie Mollen LA-673 Madison Wisconsin LANDSCAPE ARCHITECT
Abbie Mollen 5/15/2023

KEY PLAN



SHEET INFORMATION

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PROJECT MANAGER	RB
PROJECT NUMBER	422291

LANDSCAPE PLAN OVERVIEW

L100

1 2 3 4 5 6 7 8

LEGEND

- PROPERTY BOUNDARY
- NO-MOW FESCUE TURF SEED
- BLUEGRASS LAWN SOD
- PLANTING BED WITH SHREDDED HARDWOOD BARK MULCH
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UNIVERSITY ROW

DROP-OFF ZONE

NEW BUILDING

SEE SHEET L111

SEE SHEET L112

EXT.PEROVSKIA ATRIPLICIFOLIA (6)
SALVIA NEMEROSA 'CARADONNA' (3)
EXT.ITEA VIRGINICA 'LITTLE HENRY' (3)
EXT. DECHAMPSIA CESPITOSA 'GOLDATU' (5)
EXT.JUNIPERUS SABINA 'MONNA' (4)
EXT. AMELANCHIER LAEVIS 'CUMULUS' (1)
EXT.ARONIA MELANOCARPA 'MORTON' (2)
EXT.TAXUS MEDIA 'BERGII' (12)
EXT.ITEA VIRGINICA 'LITTLE HENRY' (5)
EXT.ULMUS AMERICANA 'PRINCETON' (1)
EXT.CALYCANTHUS FLORIDUS (1)
EXT.PICEA PUNGENS (1)
EXT. JUNIPERUS SABINA 'MONNA' (1)
EXT.CALAMAGROSTIS ACUTIFLORA 'OVERDAM' (6)
EXT.PINUS MUGO PUMILO (1)
EXT.HYDRANGEA ARBORESCENS 'WHITE DOME' (4)
EXT.CALAMAGROSTIS ACUTIFLORA 'OVERDAM' (6)
EXT. ILEX VERTICILLATA (9)
EXT.CALYCANTHUS FLORIDUS (3)

1 LANDSCAPE PLAN ENLARGEMENT
SCALE: 1" = 10' - 0" ON ON 36" x 48" SHEET

0 10' 20'
1" = 10'-0"

eua
milwaukee | madison | green bay | denver | atlanta
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(414) 271-5350
www.eua.com

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EMAIL ADDRESS: robb@eua.com

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PIERCE ENGINEERS, INC.
saiki DESIGN

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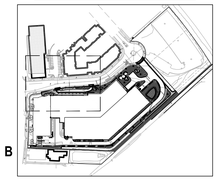
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KEY PLAN



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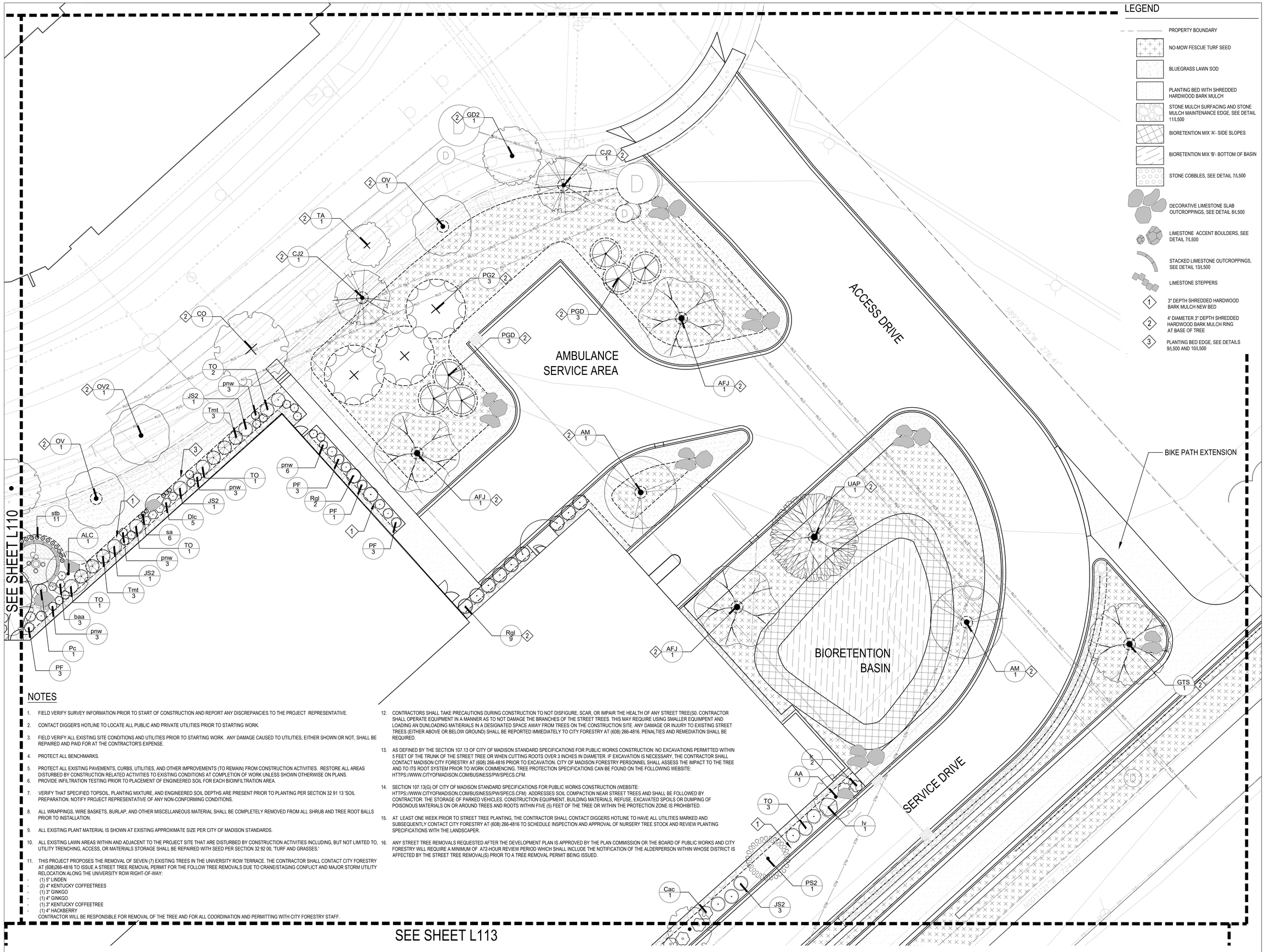
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PROJECT MANAGER	RB
PROJECT NUMBER	422291

LANDSCAPE PLAN ENLARGEMENT

L110

1 2 3 4 5 6 7 8



LEGEND

- PROPERTY BOUNDARY
- NO-MOW FESCUE TURF SEED
- BLUEGRASS LAWN SOD
- PLANTING BED WITH SHREDDED HARDWOOD BARK MULCH
- STONE MULCH SURFACING AND STONE MULCH MAINTENANCE EDGE, SEE DETAIL 11/L500
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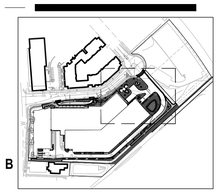
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ISSUANCE AND REVISIONS

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KEY PLAN



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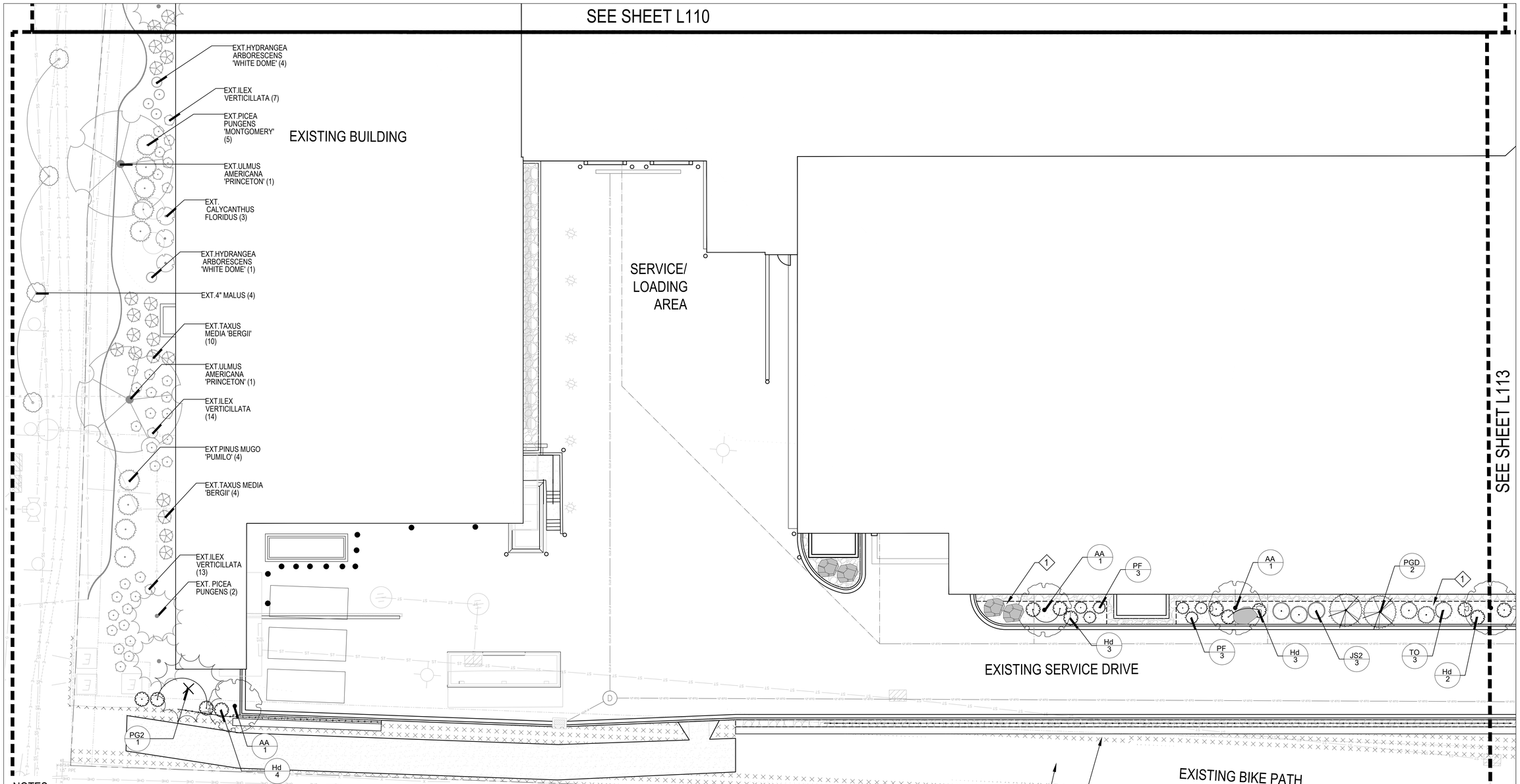
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PROJECT MANAGER	RB
PROJECT NUMBER	422291

LANDSCAPE PLAN ENLARGEMENT

L111

1 2 3 4 5 6 7 8



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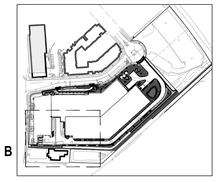
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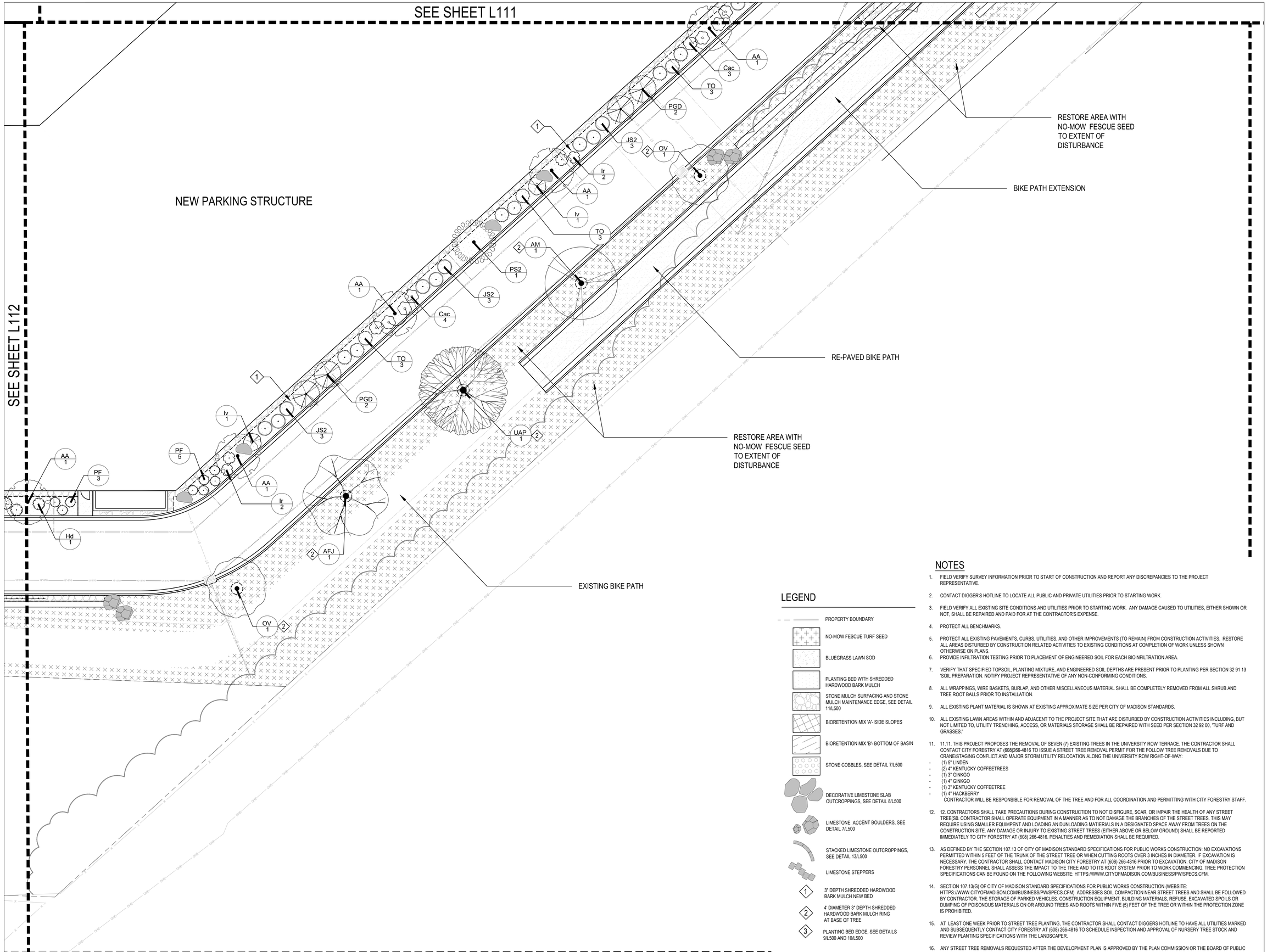
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L112

1 2 3 4 5 6 7 8



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- 3 — PLANTING BED EDGE, SEE DETAILS 9/L500 AND 10/L500

NOTES

1. FIELD VERIFY SURVEY INFORMATION PRIOR TO START OF CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE PROJECT REPRESENTATIVE.
2. CONTACT DIGGER'S HOTLINE TO LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO STARTING WORK.
3. FIELD VERIFY ALL EXISTING SITE CONDITIONS AND UTILITIES PRIOR TO STARTING WORK. ANY DAMAGE CAUSED TO UTILITIES, EITHER SHOWN OR NOT, SHALL BE REPAIRED AND PAID FOR AT THE CONTRACTOR'S EXPENSE.
4. PROTECT ALL BENCHMARKS.
5. PROTECT ALL EXISTING PAVEMENTS, CURBS, UTILITIES, AND OTHER IMPROVEMENTS (TO REMAIN) FROM CONSTRUCTION ACTIVITIES. RESTORE ALL AREAS DISTURBED BY CONSTRUCTION RELATED ACTIVITIES TO EXISTING CONDITIONS AT COMPLETION OF WORK UNLESS SHOWN OTHERWISE ON PLANS.
6. PROVIDE INFILTRATION TESTING PRIOR TO PLACEMENT OF ENGINEERED SOIL FOR EACH BIOINFILTRATION AREA.
7. VERIFY THAT SPECIFIED TOPSOIL, PLANTING MIXTURE, AND ENGINEERED SOIL DEPTHS ARE PRESENT PRIOR TO PLANTING PER SECTION 32 91 13 'SOIL PREPARATION. NOTIFY PROJECT REPRESENTATIVE OF ANY NON-CONFORMING CONDITIONS.
8. ALL WRAPPINGS, WIRE BASKETS, BURLAP, AND OTHER MISCELLANEOUS MATERIAL SHALL BE COMPLETELY REMOVED FROM ALL SHRUB AND TREE ROOT BALLS PRIOR TO INSTALLATION.
9. ALL EXISTING PLANT MATERIAL IS SHOWN AT EXISTING APPROXIMATE SIZE PER CITY OF MADISON STANDARDS.
10. ALL EXISTING LAWN AREAS WITHIN AND ADJACENT TO THE PROJECT SITE THAT ARE DISTURBED BY CONSTRUCTION ACTIVITIES INCLUDING, BUT NOT LIMITED TO, UTILITY TRENCHING, ACCESS, OR MATERIALS STORAGE SHALL BE REPAIRED WITH SEED PER SECTION 32 92 00, 'TURF AND GRASSES.'
11. 11.11. THIS PROJECT PROPOSES THE REMOVAL OF SEVEN (7) EXISTING TREES IN THE UNIVERSITY ROW TERRACE. THE CONTRACTOR SHALL CONTACT CITY FORESTRY AT (608)266-4816 TO ISSUE A STREET TREE REMOVAL PERMIT FOR THE FOLLOW TREE REMOVALS DUE TO CRANE/STAGING CONFLICT AND MAJOR STORM UTILITY RELOCATION ALONG THE UNIVERSITY ROW RIGHT-OF-WAY:
    - (1) 5" LINDEN
    - (2) 4" KENTUCKY COFFEETREES
    - (1) 3" GINKGO
    - (1) 4" GINKGO
    - (1) 3" KENTUCKY COFFEETREE
    - (1) 4" HACKBERRY

    CONTRACTOR WILL BE RESPONSIBLE FOR REMOVAL OF THE TREE AND FOR ALL COORDINATION AND PERMITTING WITH CITY FORESTRY STAFF.
12. 12. CONTRACTORS SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO NOT DISFIGURE, SCAR, OR IMPAIR THE HEALTH OF ANY STREET TREE(S0. CONTRACTOR SHALL OPERATE EQUIPMENT IN A MANNER AS TO NOT DAMAGE THE BRANCHES OF THE STREET TREES. THIS MAY REQUIRE USING SMALLER EQUIMPENT AND LOADING AN DUNLOADING MATIERIALS IN A DESIGNATED SPACE AWAY FROM TREES ON THE CONSTRUCTION SITE. ANY DAMAGE OR INJURY TO EXISTING STREET TREES (EITHER ABOVE OR BELOW GROUND) SHALL BE REPORTED IMMEDIATELY TO CITY FORESTRY AT (608) 266-4816. PENALTIES AND REMEDIATION SHALL BE REQUIRED.
13. AS DEFINED BY THE SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: NO EXCAVATIONS PERMITTED WITHIN 5 FEET OF THE TRUNK OF THE STREET TREE OR WHEN CUTTING ROOTS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT MADISON CITY FORESTRY AT (608) 266-4816 PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE: HTTPS://WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS.CFM.
14. SECTION 107.13(G) OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (WEBSITE: HTTPS://WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS.CFM). ADDRESSES SOIL COMPACTION NEAR STREET TREES AND SHALL BE FOLLOWED BY CONTRACTOR. THE STORAGE OF PARKED VEHICLES. CONSTRUCTION EQUIPMENT, BUILDING MATERIALS, REFUSE, EXCAVATED SPOILS OR DUMPING OF POISONOUS MATERIALS ON OR AROUND TREES AND ROOTS WITHIN FIVE (5) FEET OF THE TREE OR WITHIN THE PROTECTION ZONE IS PROHIBITED.
15. AT LEAST ONE WEEK PRIOR TO STREET TREE PLANTING, THE CONTRACTOR SHALL CONTACT DIGGERS HOTLINE TO HAVE ALL UTILITIES MARKED AND SUBSEQUENTLY CONTACT CITY FORESTRY AT (608) 266-4816 TO SCHEDULE INSPECTION AND APPROVAL OF NURSERY TREE STOCK AND REVIEW PLANTING SPECIFICATIONS WITH THE LANDSCAPER.
16. ANY STREET TREE REMOVALS REQUESTED AFTER THE DEVELOPMENT PLAN IS APPROVED BY THE PLAN COMMISSION OR THE BOARD OF PUBLIC WORKS AND CITY FORESTRY WILL REQUIRE A MINIMUM OF A72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ALDERPERSON WITHIN WHOSE DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED

1 LANDSCAPE PLAN ENLARGEMENT
SCALE:1" = 10' - 0" ON 36" x 48" SHEET

0 10' 20'
1" = 10'-0"

eua
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333 East Chicago Street
Milwaukee, WI 53202
(414) 271-5350
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PROJECT CONTACT: Rob Beisenstein
DIRECT PHONE: 414-291-8145
EMAIL ADDRESS: robb@eua.com
UW Health
KRUPP GENERAL CONTRACTORS
Affiliated Engineers
PIERCE ENGINEERS, INC.
saiki DESIGN

PROJECT INFORMATION

750 UNIVERSITY ROW EXPANSION

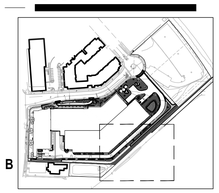
750 University Row
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
05/15/2023	UDC & LAND USE

WISCONSIN
Abbie Mollen
LA-673
Madison
Wisconsin
LANDSCAPE ARCHITECT
5/15/2023

KEY PLAN



SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

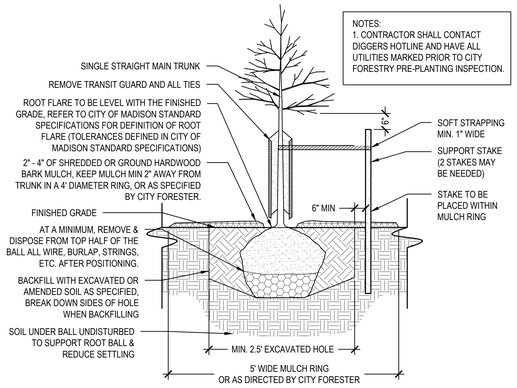
These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER	RB
PROJECT NUMBER	422291

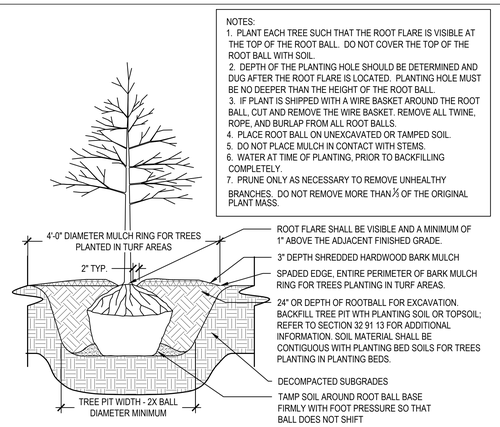
LANDSCAPE PLAN ENLARGEMENT

L113

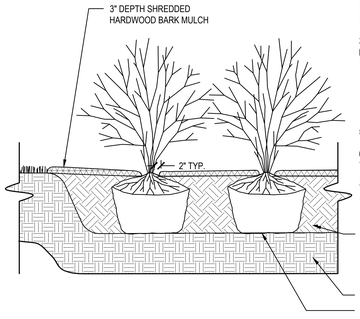
1 2 3 4 5 6 7 8



1 BALLED BURLAP TREE PLANTING, CITY TERRACE
SCALE:NTS

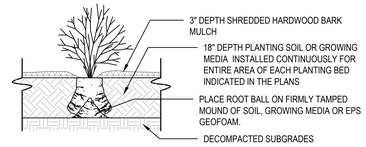


2 TYPICAL BALL AND BURLAP TREE PLANTING, GENERAL
SCALE:NTS



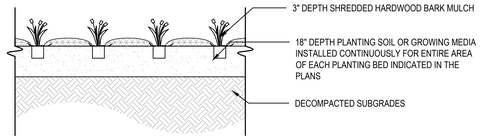
NOTES:
1. FOR 3 TO 10 GALLON CONTAINERS, MAKE 1" TO 2" DEEP VERTICAL CUTS EVERY 6" AROUND THE CIRCUMFERENCE OF THE ROOT BALL AND LOOSEN ROOTS BEFORE PLANTING.
2. PLANT EACH SHRUB SUCH THAT THE ROOT FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL, DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL.
3. DEPTH OF THE PLANTING HOLE SHOULD BE DETERMINED AND DUG AFTER THE ROOT FLARE IS LOCATED. PLANTING HOLE MUST BE NO DEEPER THAN THE HEIGHT OF THE ROOT BALL.
4. IF PLANT IS SHIPPED WITH A WIRE BASKET AROUND THE ROOT BALL, CUT AND REMOVE THE WIRE BASKET. REMOVE ALL TWINE, ROPE, AND BURLAP FROM ALL ROOT BALLS.
5. PLACE ROOT BALL ON UNEXCAVATED OR TAMPED SOIL.
6. DO NOT PLACE MULCH IN CONTACT WITH STEMS.
7. WATER AT TIME OF PLANTING, PRIOR TO BACKFILLING COMPLETELY.
7. PRUNE ONLY AS NECESSARY TO REMOVE UNHEALTHY BRANCHES. DO NOT REMOVE MORE THAN ⅓ OF THE ORIGINAL PLANT MASS.

3 TYPICAL LARGE CONTAINER PLANTING
SCALE:NTS



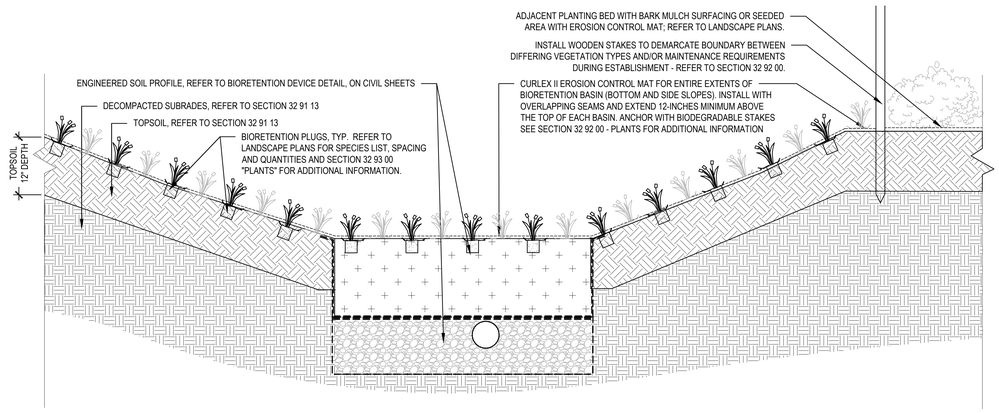
NOTES:
1. FOR 1 TO 2 GALLON CONTAINERS: BUTTERFLY ROOT BALL. SEVER LOWER ⅓ TO ½ OF ROOT BALL WITH SINGLE CUT. SPREAD OPEN SEVERED ROOT BALL AND PLACE AGAINST BOTTOM OF MOUNDED PLANTING HOLE.
2. PLANT EACH SHRUB OR PERENNIAL SUCH THAT THE STEM FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL.
3. PLANTING HOLE MUST BE NO DEEPER THAN THE HEIGHT OF THE ROOT BALL.
4. DO NOT PLACE MULCH IN CONTACT WITH STEMS.
7. WATER ALL PLANTS AT TIME OF PLANTING.
8. PRUNE ONLY AS NECESSARY TO REMOVE UNHEALTHY BRANCHES. DO NOT REMOVE MORE THAN ⅓ OF THE ORIGINAL PLANT MASS.

4 TYPICAL MEDIUM CONTAINER PLANTING
SCALE:NTS

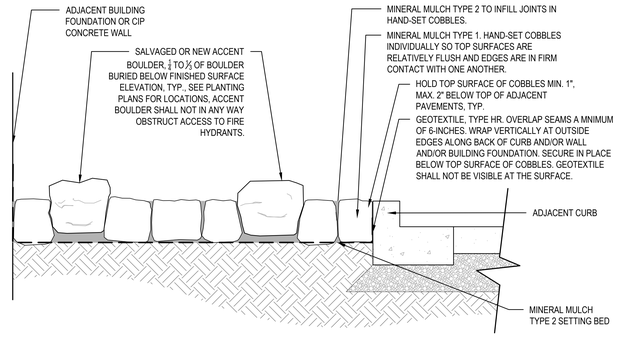


NOTES:
1. FOR QUART CONTAINERS: GENTLY HAND-LOOSEN ROOTS AT THE OUTSIDE OF THE ROOTBALL AND STRAIGHTEN ROOTS THAT HAVE BEGUN TO ENCIRCLE THE ROOTBALL. PLACE PREPARED ROOTBALL IN FIRM CONTACT WITH THE BOTTOM OF THE PLANTING HOLE, MAKING SURE THAT THE PLANT CROWN IS ¼" ABOVE ADJACENT FINISHED GRADES.
2. PLANT EACH SHRUB OR PERENNIAL SUCH THAT THE STEM FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL.
3. PLANTING HOLE MUST BE NO DEEPER THAN THE HEIGHT OF THE ROOT BALL.
4. DO NOT PLACE MULCH IN CONTACT WITH STEMS.
7. WATER ALL PLANTS AT TIME OF PLANTING.
8. PRUNE ONLY AS NECESSARY TO REMOVE UNHEALTHY TOP GROWTH. DO NOT REMOVE MORE THAN ⅓ OF THE ORIGINAL PLANT MASS.

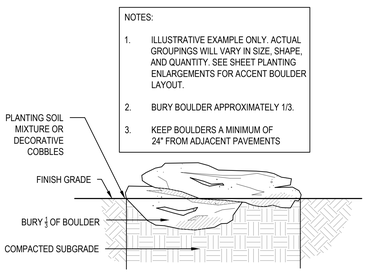
5 TYPICAL PERENNIAL PLANTING
SCALE:NTS



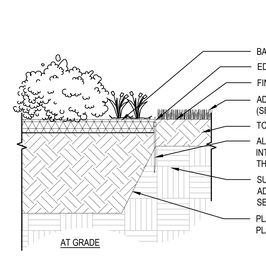
6 BIORETENTION PLANTING
SCALE:NTS



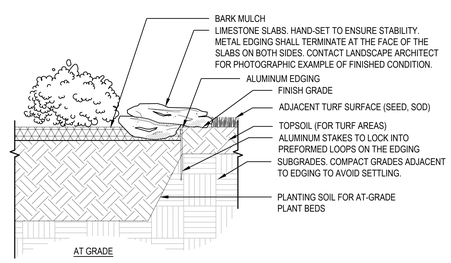
7 HAND-SET COBBLE WITH ACCENT BOULDERS
SCALE:NTS



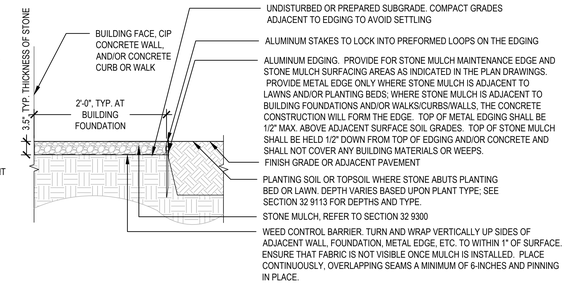
8 DECORATIVE LIMESTONE SLAB OUTCROPPING
SCALE:NTS



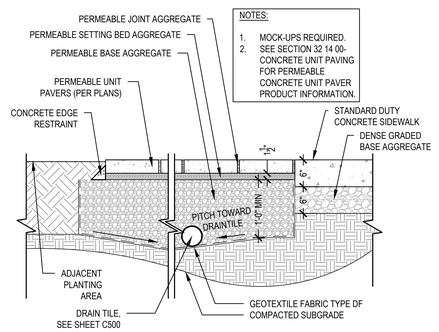
9 TYPICAL PLANTING BED EDGE
SCALE:NTS



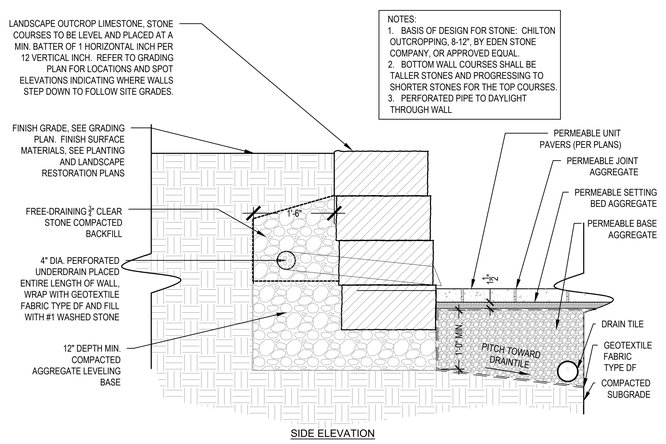
10 PLANTING BED EDGE WITH INTEGRATED LIMESTONE OUTCROPPING
SCALE:NTS

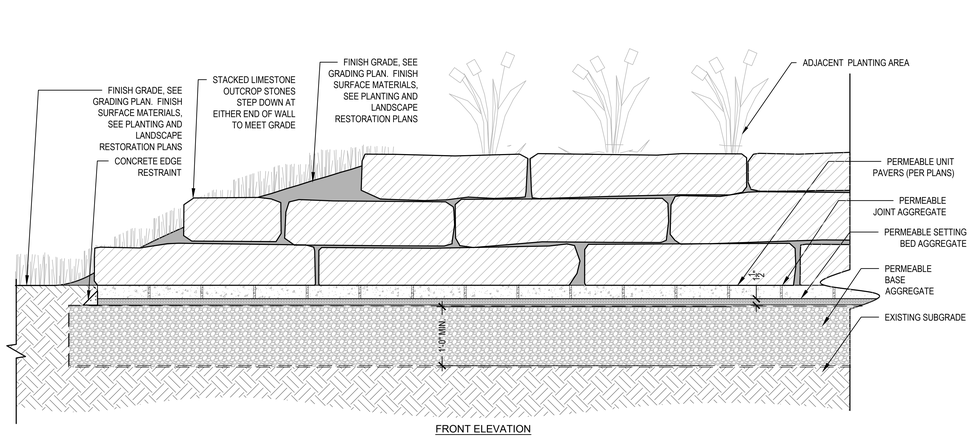


11 STONE MULCH SURFACING AND STONE MULCH MAINTENANCE EDGE
SCALE:NTS

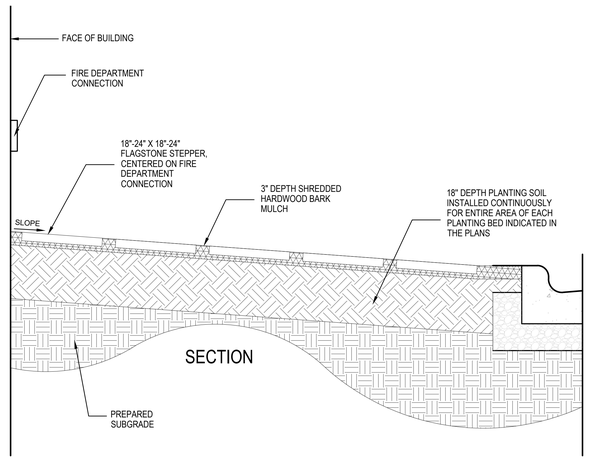


12 PERMEABLE UNIT PAVERS
SCALE:NTS





13 STACKED LIMESTONE OUTCROPPINGS
SCALE:NTS



14 FLAGSTONE STEPPERS
SCALE:NTS

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UW Health
KRUPP GENERAL CONTRACTORS
Affiliated Engineers
PIERCE ENGINEERS, INC.
saiki DESIGN

PROJECT INFORMATION

750 UNIVERSITY ROW EXPANSION

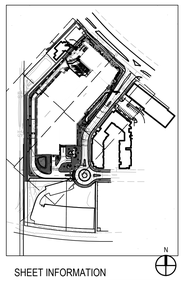
750 University Row
Madison, WI 53705

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
05/15/2023	UDC & LAND USE

WISCONSIN
Abbie Mollen
LA-673
Madison
Wisconsin
LANDSCAPE ARCHITECT
Abbie Mollen 5/15/2023

KEY PLAN



SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

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PROJECT MANAGER	RB
PROJECT NUMBER	422291

PLANTING & LANDSCAPE DETAILS

L500

1 2 3 4 5 6 7 8

ELECTRICAL SYMBOLS AND ABBREVIATIONS

SHEET SYMBOLS

- EQ # — SCHEDULED EQUIPMENT DESIGNATION. -TOP INDICATES EQUIPMENT ABBREVIATION -BOTTOM INDICATES EQUIPMENT NUMBER. REFER TO EQUIPMENT SCHEDULES
- 2 — SPECIALTY ITEMS (I.E. GAUGE FILTER, ETC.) REFER TO EQUIPMENT LIST
- REFER M-1 — PLAN CONTINUATION REFERENCE. -BOTTOM INDICATES ON WHICH SHEET CONTINUATION APPEARS
- 1 / M-1 — SECTION DESIGNATION. -TOP INDICATES SECTION NUMBER. -BOTTOM INDICATES ON WHICH SHEET SECTION APPEARS
- 2 / M-1 — DETAIL REFERENCE. -TOP INDICATES SECTION NUMBER. -BOTTOM INDICATES ON WHICH SHEET SECTION APPEARS
- A/15B-6 — DETAIL REFERENCE. -TOP INDICATES SECTION NUMBER. -BOTTOM INDICATES ON WHICH SHEET SECTION APPEARS
- MATCHLINE DESIGNATION
- ELEVATION DESIGNATION. REFERENCE OFFICIAL PROJECT DATUM
- 1 — REVISION REFERENCE. REFER TO SHEET REVISION BLOCK
- 1 — SHEET KEYNOTE REFERENCE
- ROOM NAME: 101 — ROOM NAME & NUMBER DESIGNATION
- 1001 — CONSTRUCTION BULLETIN REVISION NUMBER
- POINT OF NEW CONNECTION TO EXISTING
- HALFTONE LIGHT LINE INDICATES EXISTING WORK
- HEAVY DASHED LINE WITH HATCH INDICATES EXISTING WORK TO BE DEMOLISHED
- HEAVY LINE INDICATES NEW WORK

STANDARD MOUNTING REQUIREMENTS

WALL DEVICES	MOUNTING HEIGHT
RECEPTACLE	1'-6"
POWER OUTLET	1'-6"
SURFACE MOUNTED RACEWAY	3'-6"
ABOVE COUNTERTOP/CASEWORK RECEPTACLE	2" ABOVE COUNTERTOP BACKSPLASH OR ABOVE CASEWORK - FIELD VERIFY
PUSHBUTTONS	3'-6"
FIRE ALARM PULL STATIONS	4'-0"
FIREMAN'S PHONE	4'-6"
FIRE ALARM NOTIFICATION DEVICES	80" AFF TO BOTTOM OF FACEPLATE OR 6" FROM TOP OF FACEPLATE TO CEILING, WHICH EVER IS LOWER
LIGHTING CONTROL STATIONS	3'-6"
LIGHTING CONTROL SENSORS	8'-0"
DISCONNECT SWITCHES	MIN. 3'-6" ; MAX. 6'-6"
PANELS/CABINETS	TOP BREAKER HANDLE MAX 6'-6"
ENCLOSED CIRCUIT BREAKERS	MIN. 3'-6" ; MAX. 6'-6"

NOTES:
1. ALL DIMENSIONS FOR WALL MOUNTED DEVICES ARE CENTERLINE MEASURED FROM FINISHED FLOOR UNLESS OTHERWISE NOTED.
2. ALL MOUNTING HEIGHTS SHALL BE CONFIRMED WITH ARCHITECTURAL DRAWINGS AND REQUIREMENTS. IN CASE OF CONFLICT - ARCHITECTURAL INFORMATION SHALL BE FOLLOWED.

CEILING MOUNTED DEVICES:
1. ALL CEILING MOUNTED DEVICES ON ACOUSTICAL CEILING TILE SHALL BE CENTERED ON TILE UNLESS OTHERWISE NOTED.
2. ALL CEILING MOUNTED DEVICES IN HARD LID CEILING SHALL BE CENTER ALIGNED WITH OTHER NEARBY CEILING EQUIPMENT UNLESS OTHERWISE NOTED.
3. REFER TO ARCHITECTURAL RCPS FOR CEILING HEIGHTS.

ONE LINE DIAGRAM

- TRANSFORMER
- ELECTROSTATIC SHIELDED ISOLATION TRANSFORMER
- METER WITH CURRENT TRANSFORMER
- CURRENT TRANSFORMER
- POTENTIAL TRANSFORMER
- FIXED MOUNT CIRCUIT BREAKER
- LOW VOLTAGE DRAW-OUT AIR CIRCUIT BREAKER
- MEDIUM-VOLTAGE DRAW-OUT VACUUM CIRCUIT BREAKER. ## - REFER TO ANSI DEVICE FUNCTION NUMBERS
- SWITCH
- GROUNDED "Y" SYSTEM
- DELTA SYSTEM
- EGS — ENGINE GENERATOR SET
- # — FEEDER TAG
- AUTOMATIC TRANSFER SWITCH
- BYPASS ISOLATION AUTOMATIC TRANSFER SWITCH
- P# ... — PANELBOARD
- SWITCHGEAR, SWITCHBOARD, DISTRIBUTION BOARD ENCLOSURE
- BATTERY
- FUSE
- DRAW-OUT FUSE

ANSI DEVICE FUNCTION NUMBERS

25	= SYNC CHECK
26	= LIQUID THERMAL RELAY
27	= UNDERVOLTAGE
32	= REVERSE POWER
47	= PHASE SEQUENCE
49	= WINDING THERMAL RELAY
50	= INSTANTANEOUS OVERCURRENT
50N	= NEUTRAL INSTANTANEOUS OVERCURRENT
50G	= GROUND INSTANTANEOUS OVERCURRENT
51	= TIME OVERCURRENT
51N	= NEUTRAL TIME OVERCURRENT
51G	= GROUND TIME OVERCURRENT
52	= CIRCUIT BREAKER
59	= OVERVOLTAGE
63	= SUDDEN PRESSURE RELAY
71	= LIQUID LEVEL RELAY
81U	= UNDER-FREQUENCY
81O	= OVER-FREQUENCY
83	= CONTROL POWER AUTO-TRANSFER
86	= LOCKOUT RELAY
87	= DIFFERENTIAL

LIGHTING

- UNSHADED REGION DESIGNATES LUMINAIRE ON NORMAL POWER
- SHADED REGION DESIGNATES LUMINAIRE ON EMERGENCY OR LIFE SAFETY POWER - REFER TO SOURCE PANEL NAME FOR BRANCH DESIGNATION
- SHADED REGION DESIGNATES LUMINAIRE ON STANDBY/CRITICAL BRANCH POWER - REFER TO SOURCE PANEL NAME FOR BRANCH DESIGNATION

LUMINAIRE ID - SEE LUMINAIRE SCHEDULE. SUFFIX: E = BATTERY PACK/INVERTER. ARROW ADDED TO LUMINAIRE SYMBOL TO INDICATE DIRECTION TOWARDS WHICH THE LUMINAIRE IS TO POINT.

XE — ##Xxx — CIRCUIT/SWITCH

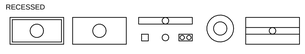
LUMINAIRE SYMBOLS - REFER TO LUMINAIRE SCHEDULE FOR MORE INFORMATION

SMALL PROFILE LUMINAIRE

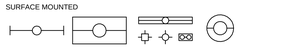
LIGHTING TRACK
- TRACK HEAD

CEILING MOUNTED LUMINAIRES

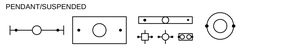
RECESSED



SURFACE MOUNTED



PENDANT/SUSPENDED



WALL MOUNTED LUMINAIRES

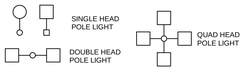
RECESSED



SURFACE MOUNTED



FLOOR OR GRADE MOUNTED LIGHTS



EXIT SIGNS - CEILING MOUNTED
- SINGLE FACE
- DOUBLE FACE
- DIRECTIONAL ARROW

EXIT SIGNS - WALL MOUNTED
- SINGLE FACE
- DOUBLE FACE
- DIRECTIONAL ARROW

EMERGENCY FIXTURE WITH BATTERY PACK
- SINGLE HEAD
- DOUBLE HEAD

LIGHTING CONTROL

y = SWITCH ID, REFER TO PLANS
X = SWITCH TYPE DESIGNATION, REFER TO CHART BELOW
XX = CONTROL STATION DESIGNATION, REFER TO CHART BELOW
Z = SENSOR TYPE DESIGNATION, REFER TO CHART BELOW

- XX / y — LOW VOLTAGE CONTROL STATION
- $ Xy — SWITCH
- LIGHTING CONTACTOR
- $ Zy — SENSOR SWITCH FOR LIGHTING CONTROL
- Zy — CEILING SENSOR FOR LIGHTING CONTROL
- Zy — WALL SENSOR FOR LIGHTING CONTROL

SWITCH TYPE DESIGNATION CHART
X=TYPE DEFINITION
- = SINGLE POLE
- 3 = THREE-WAY SWITCH
- 4 = FOUR-WAY SWITCH
- 2 = TWO POLE SWITCH
- 2P = 2 POLE, DUAL RELAY
- I = INDICATOR
- K = KEY SWITCH
- MC = MOMENTARY CONTACT
- D = DIMMER
- P = SWITCH WITH PILOT LIGHT
- TS = TIMER SWITCH
- LV,LV# = LOW VOLTAGE
- LV-M = LOW VOLTAGE "M"-MASTER SWITCH
- DM = REMOTE CONTROL FOR MOTORIZED DAMPER

SENSOR TYPE DESIGNATION CHART
Z = SENSOR TYPE DESIGNATION
- PIR = PASSIVE INFRARED
- PIRD = PASSIVE INFRARED WITH DIMMER
- PIRA = PASSIVE INFRARED WITH AMBIENT LIGHT
- 2P = 2 POLE, DUAL RELAY
- U = ULTRASONIC
- DT = DUAL TECHNOLOGY
- AL = AMBIENT LIGHT SENSOR
- PC = PHOTOCELL

CONTROL STATION DESIGNATION CHART
XX = CONTROL STATION DESIGNATION
- TC = TIMECLOCK
- PC = PHOTOCELL
- LC== LIGHTING CONTROL STATION

DAYLIGHT ZONES

- PRIMARY ZONE
- SECONDARY ZONE

RECEPTACLES

- UNSHADED REGION DESIGNATES NORMAL POWER
- SHADED REGION DESIGNATES ALTERNATE POWER SOURCE - REFER TO SOURCE PANEL NAME FOR BRANCH DESIGNATION

X = RECEPTACLE TYPE, REFER TO CHART BELOW
Y = NEMA CONFIGURATION, REFER TO CHART BELOW

MOUNTING LOCATION: WALL
- DUPLEX RECEPTACLE
- Xa — DUPLEX RECEPTACLE, UPPER HALF SWITCHED, LOWER HALF HOT
- SINGLE RECEPTACLE
- X — DOUBLE DUPLEX RECEPTACLE
- LOCKING RECEPTACLE
- Y — POWER OUTLET
- FIXED EQUIPMENT CONNECTION

MOUNTING LOCATION: WALL ABOVE CASEWORK/COUNTERTOP
- X — DUPLEX RECEPTACLE
- X — DOUBLE DUPLEX RECEPTACLE

MOUNTING LOCATION: SURFACE MOUNTED RACEWAY
- X — DUPLEX RECEPTACLE
- Y — POWER OUTLET
- OUTLETS INSTALLED IN SURFACE MOUNTED RACEWAY

NEMA CONFIGURATION CHART
Y = NEMA CONFIGURATION
- A = 20A, 125V, NEMA 5-20R
- B = 20A, 125V, NEMA L5-20R
- C = 30A, 125V, NEMA 5-30R
- D = 30A, 125V, NEMA L5-30R
- E = 50A, 125V, NEMA 5-50R
- F = 50A, 125V, NEMA L5-50R
- G = 20A, 250V, NEMA 6-20R
- H = 20A, 250V, NEMA L6-20R
- J = 30A, 250V, NEMA 6-30R
- K = 30A, 250V, NEMA L6-30R
- L = 50A, 250V, NEMA 6-50R
- M = 50A, 250V, NEMA L6-50R
- N = 20A, 250V, NEMA 15-20R
- P = 20A, 250V, NEMA L15-20R
- Q = 30A, 277V, NEMA 7-30R
- R = 30A, 277V, NEMA L7-30R
- S = 20A, 125/250V, NEMA 14-20R
- T = 20A, 125/250V, NEMA L14-20R
- U = 30A, 125/250V, NEMA 14-30R
- V = 30A, 125/250V, NEMA L14-30R
- W= 50A, 125/208V, NEMA 18-50R
- Y = 30A, 125/250V, NEMA 15-30R

MOUNTING LOCATION: FLOOR

POKE-THRU
- DUPLEX RECEPTACLE
- DOUBLE DUPLEX RECEPTACLE
- MULTI-TRADE AV, POWER & DATA

FLOORBOX
- DUPLEX RECEPTACLE
- DOUBLE DUPLEX RECEPTACLE
- AV — MULTI-TRADE AV, POWER & DATA

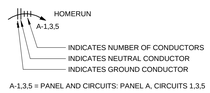
MOUTNING LOCATION: COORDINATE W/ EQUIPMENT
- FIXED EQUIPMENT CONNECTION

MOUNTING LOCATION: CEILING
- X — DUPLEX RECEPTACLE
- X — DOUBLE DUPLEX RECEPTACLE
- Y — POWER OUTLET

RECEPTACLE TYPE DESIGNATION CHART
X = TYPE
- AF = AFCI RECEPTACLE
- CR = CONTROLLED RECEPTACLE
- DR = DEDICATED RECEPTACLE
- IG = ISOLATED GROUND RECEPTACLE
- GF = GFCI RECEPTACLE
- SP = SURGE PROTECTION RECEPTACLE
- SR = SPECIAL PURPOSE RECEPTACLE
- TR = TAMPER RESISTANT RECEPTACLE
- US = USB RECEPTACLE
- WC = WEATHERPROOF COVER ONLY
- WP = WEATHERPROOF COVER, GFCI RECEPTACLE
- WR = WEATHERPROOF COVER, WEATHER RESISTANT RECEPTACLE

EQUIPMENT AND WIRING

- MOTOR
- T — TRANSFORMER
- PANELBOARD SURFACE MOUNTED
- PANELBOARD FLUSH MOUNTED
- DISTRIBUTION PANELBOARD (NOT TO SCALE)
- MCC — MOTOR CONTROL CENTER
- VFD — VARIABLE FREQUENCY DRIVE
- ATS — AUTOMATIC TRANSFER SWITCH
- XX-XX — PANEL DIVISION ARROW
- PANEL DIVISION LINE
- CABLE TAP BOX
- BUSWAY PLUG-IN UNIT
- GEN — REMOTE GENERATOR ANNUNCIATOR
- AIR TERMINAL
- GROUND ROD
- GROUND ROD WITH TEST WELL
- J — SURFACE JUNCTION BOX
- J — SURFACE JUNCTION BOX - WALL
- J — FLUSH JUNCTION BOX - CEILING
- J — FLUSH JUNCTION BOX - WALL
- J — FLUSH JUNCTION BOX - FLOOR
- R — RELAY - TYPE AS NOTED
- K — KIRK KEY INTERLOCK
- NON-FUSED DISCONNECT SWITCH
- F — FUSED DISCONNECT SWITCH
- B — ENCLOSED CIRCUIT BREAKER
- MAGNETIC MOTOR STARTER
- COMBINATION MOTOR STARTER
- $ M — MOTOR RATED SWITCH
- PUSH BUTTON
- PUSH BUTTON - DOUBLE
- GROUND CONNECTION
- G — REMOTE GROUND INDICATOR
- GP — ROOM REFERENCE GROUND POINT



A-1,3,5 = PANEL AND CIRCUITS: PANEL A, CIRCUITS 1,3,5

FIRE ALARM

NOTES:
1. WALL MOUNTED NOTIFICATION DEVICES MOUNTING HEIGHT: 80" AFF TO BOTTOM OF FACEPLATE OR 6" FROM TOP OF FACEPLATE TO CEILING, WHICH EVER IS LOWER.
2. ALL CEILING MOUNTED DEVICES MOUNTED ON ACOUSTICAL CEILING TILE TO BE CENTERED ON TILE UNO.
3. ALL CEILING MOUNTED DEVICES MOUNTED IN HARD LID CEILING TO BE CENTER ALIGNED WITH OTHER NEARBY CEILING EQUIPMENT, UNO.
4. PULL STATIONS TO BE MOUNTED 4'-0" AFF, UNO.

XX — MANUAL FIRE ALARM BOX TYPES XX=TYPE
- CO2 = CARBON DIOXIDE
- DC = DRY CHEMICAL
- DH = DOOR HOLDER
- HL = HALON
- F = PULL STATION/FIRE ALARM BOX
- FO = FOAM
- WC = WET CHEMICAL
- CA = CLEAN AGENT
- WM = WATER MIST
- DL = DELUGE FIRE SPRINKLER
- PRE = PREACTION
- MB = FIRE ALARM MASTER BOX
- DK = DRILL KEY
- DS = DOOR HOLDER W/ SMOKE DETECTOR

XX — SWITCH XX=TYPE
- M = MANUAL RELEASING SWITCH
- TS = TAMPER SWITCH
- WF = FLOW DETECTOR/SWITCH
- PS = PRESSURE DETECTOR/SWITCH
- LS = LEVEL DETECTOR/SWITCH
- TSS = TEMPERATURE SUPERVISORY SWITCH
- HT = HIGH TEMPERATURE SWITCH
- LT = LOW TEMPERATURE SWITCH
- VS = VALVE SUPERVISORY SWITCH

VS — VALVE WITH SUPERVISORY SWITCH

XX — ABORT SWITCH XX=TYPE
- A = ABORT SWITCH
- CO2 = CARBON DIOXIDE
- DC = DRY CHEMICAL
- HL = HALON
- FO = FOAM
- WC = WET CHEMICAL
- CA = CLEAN AGENT
- WM = WATER MIST
- DL = DELUGE FIRE SPRINKLER
- PRE = PREACTION

XX — HEAT DETECTOR/SENSOR XX=TYPE
- R/F = COMBINATION RATE OF RISE / FIXED TEMPERATURE
- R/C = RATE COMPENSATION
- F = FIXED TEMPERATURE
- R = RATE OF RISE ONLY

S XX — SMOKE DETECTOR/SENSOR XX=TYPE
- AS = AIR SAMPLING
- P = PHOTOELECTRIC
- I = IONIZATION
- R = RELAY BASE
- SS = SINGLE STATION
- SB = SOUNDER BASE
- ID = IN DUCT
- BT = BEAM TRANSMITTER
- BR = BEAM RECEIVER

S — SMOKE DETECTOR/SENSOR FOR DUCT

XX — GAS DETECTOR/SENSOR XX=TYPE
- CO2 = CARBON DIOXIDE
- CO = CARBON MONOXIDE
- HCL = HYDROGEN CHLORIDE
- CH4 = METHANE

XX — FLAME DETECTOR/SENSOR XX=TYPE
- UV = ULTRAVIOLET
- IR = INFRARED
- UV/IR = COMBINATION UV / INFRARED
- VR = VISIBLE RADIATION

W XX — WATER DETECTOR

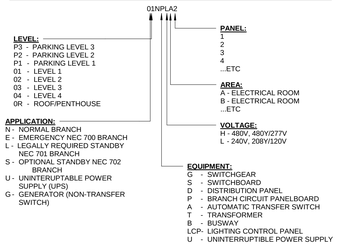
XXX # — MODULES XXX = TYPE
- AIM = ADDRESSABLE INPUT MONITOR MODULE
- AOM = ADDRESSABLE OUTPUT CONTROL MODULE
- IO = ISOLATION MODULE
- AIO = ADDRESSABLE INPUT/ OUTPUT MONITOR MODULE

# DENOTES NUMBER OF INPUTS/OUTPUTS

- F H — HORN ONLY
- F M — MINI-HORN
- F CH — CHIME - ELECTRONIC
- S — SPEAKER ONLY
- COMBINATION HORN/STROBE
- M cd — COMBINATION SPEAKER/VISIBLE cd = CANDELA RATING/SETTING
- M cd — EMERGENCY SPEAKER/VISIBLE cd = CANDELA RATING/SETTING
- F V — BELL - VIBRATING
- F SS — BELL - SINGLE STROKE
- F T — BELL - TROUBLE
- F G — BELL - GONG
- F CH — BELL - CHIME

FOR THE ABOVE SYMBOLS: C=CEILING MOUNTED W=WALL MOUNTED
- W cd — VISIBLE ONLY (STROBE) WALL MOUNT cd = CANDELA RATING/SETTING
- C cd — VISIBLE ONLY (STROBE) CEILING MOUNT cd = CANDELA RATING/SETTING
- C cd — EMERGENCY VISIBLE ONLY (STROBE) WALL MOUNT cd = CANDELA RATING/SETTING
- C cd — EMERGENCY VISIBLE ONLY (STROBE) CEILING MOUNT cd = CANDELA RATING/SETTING
- RI — REMOTE INDICATOR
- RI — CEILING MOUNT INDICATOR
- ROTATING BEACON
- RTS — REMOTE ALARM INDICATING AND TEST SWITCH
- A — FIRE SERVICE OR EMERGENCY PHONE STATION - ACCESSIBLE
- FIRE SERVICE OR EMERGENCY PHONE STATION - BASIC SHAPE
- H — FIRE SERVICE OR EMERGENCY PHONE STATION - HANDSET
- J — FIRE SERVICE OR EMERGENCY PHONE STATION - JACK
- FWS — FLOOR WARDEN STATION
- XXXX — CONTROL PANELS/UNITS XXXX=TYPE
  - FACP = FIRE ALARM CONTROL PANEL
  - FAA = FIRE ALARM ANNUNCIATOR
  - FACU = FIRE ALARM CONTROL UNIT
  - FATC = FIRE ALARM TERMINAL CABINET
  - ECCU = EMERGENCY COMMUNICATIONS CONTROL UNIT
  - FSCP = FIRE SUPPRESSION CONTROL PANEL
  - FSCU = FIRE SUPPRESSION CONTROL UNIT
  - FAC = FIRE ALARM COMMUNICATOR
  - SAP = SPRINKLER ALARM PANEL
  - WCU = WIRELESS CONTROL UNIT
  - MFACU = MASTER FIRE ALARM CONTROL UNIT
  - BATT = BATTERY CABINET
  - EVAC = VOICE EVACUATION CONTROL UNIT
  - NPS = NOTIFICATION POWER SUPPLY
  - GAP = GRAPHIC ANNUNCIATOR PANEL
  - ARCM = AREA OF REFUGE MASTER UNIT
  - ARCR = AREA OF REFUGE REMOTE UNIT

ELECTRICAL EQUIPMENT DESIGNATION CODE



ELECTRICAL ABBREVIATIONS

A	- AMPERES		LAN	-	LOCAL AREA NETWORK
AC	- ABOVE CEILING / ALTERNATING CURRENT		LED	-	LIGHT EMITTING DIODE
			LI	-	LONG-TIME/INSTANTANEOUS
ADO	- AUTOMATIC DOOR OPENER		LSI	-	LONG-TIME/SHORT-TIME/ INSTANTANEOUS
AF	- AMPERE FRAME				
AFCI	- ARC FAULT CIRCUIT INTERRUPTER		LSIA	-	LONG-TIME/SHORT-TIME/ INSTANTANEOUS/GROUND
AFF	- ABOVE FINISHED FLOOR		ALARM		
AIC	- AMP INTERRUPTING CAPACITY		LSIG	-	LONG-TIME/SHORT-TIME/ INSTANTANEOUS/GROUND
ALT	- ALTERNATE				
ARCH	- ARCHITECTURAL		LTCP	-	LOCAL TEMPERATURE CONTROL PANEL
ASC	- ABOVE SUSPENDED CEILING				
AT	- AMPERE TRIP		LTG	-	LIGHTING
ATC	- ASTRONOMIC TIME CLOCK		LTS	-	LIGHTS
ATS	- AUTOMATIC TRANSFER SWITCH		LV	-	LOW VOLTAGE
AUTO	- AUTOMATIC		MATV	-	MASTER ANTENNA TELEVISION
BC	- BARE COPPER		MC	-	MECHANICAL CONTRACTOR
BFC	- BELOW FINISH CEILING		MCB	-	MAIN CIRCUIT BREAKER
BFL	- BELOW FLOOR LEVEL		MCC	-	MOTOR CONTROL CENTER
BLDG	- BUILDING		MCP	-	MOTOR CIRCUIT PROTECTOR
BPIP	- BOILER PLANT INSTRUMENTATION PANEL		MER	-	MECHANICAL EQUIPMENT ROOM
			MH	-	MANHOLE
BRKR	- BREAKER		MLO	-	MAIN LUGS ONLY
			MPTB	-	MUSIC & PAGE TERMINAL BOX
C	- CONDUIT		MTD	-	MOUNTED
CB	- CIRCUIT BREAKER		MTG	-	MOUNTING
CCTV	- CLOSED CIRCUIT TELEVISION		MTG HGT	-	MOUNTING HEIGHT
CFCI	- CONTRACTOR FURNISHED, CONTRACTOR INSTALLED		MTR	-	MOTOR / METER
			MV	-	MEDIUM VOLTAGE
CGL	- CEILING				
CKT	- CIRCUIT		NA	-	NOT APPLICABLE
CO	- CONDUIT ONLY		NAC	-	NOTIFICATION APPLIANCE CIRCUIT
CONTR	- CONTRACTOR				
CORR	- CORRIDOR		NC	-	NORMALLY CLOSED
CR	- CONTROL RELAY		NEC	-	NATIONAL ELECTRICAL CODE
CT	- CURRENT TRANSFORMER		NIC	-	NOT IN CONTRACT
			NO	-	NORMALLY OPEN
DB	- DIRECT BURIAL		NTS	-	NOT TO SCALE
DC	- DIRECT CURRENT				
DED	- DEDICATED		OC	-	ON CENTER
DET	- DETAIL		OFCI	-	OWNER FURNISHED, CONTRACTOR INSTALLED
DIA	- DIAMETER				
DISC	- DISCONNECT		OFOI	-	OWNER FURNISHED, OWNER INSTALLED
DN	- DOWN				
DP	- DISTRIBUTION PANEL				
DS	- DISCONNECT SWITCH		P	-	POLE
			PA	-	PUBLIC ADDRESS
EC	- ELECTRICAL CONTRACTOR		PB	-	PULL BOX / PUSHBUTTON
EDB	- ELECTRIC DUCT BANK		PC	-	PLUMBING CONTRACTOR / PHOTOCELL
EGC	- EQUIPMENT GROUND CONDUCTOR				
			PDU	-	POWER DISTRIBUTION UNIT
EGS	- ENGINE GENERATOR SET		PF	-	POWER FACTOR
EJ	- EXPANSION JOINT		PH	-	PHASE
ELEC	- ELECTRIC / ELECTRICAL		PLBG	-	PLUMBING
ELL	- EMERGENCY LIFE SAFETY LIGHTING		PNL	-	PANEL
			POD	-	POWER OPERATED DAMPER
ELP	- EMERGENCY LIFE SAFETY POWER		PS	-	POWER SUPPLY
			PT	-	POTENTIAL TRANSFORMER
EM/EMER	- EMERGENCY		PTRV	-	POWER TYPE ROOF VENTILATOR
EMI	- ELECTROMAGNETIC INTERFERENCE		PWR	-	POWER
EMT	- ELECTRICAL METALLIC TUBING				
EQUIP	- EQUIPMENT		REC	-	RECESSED
ESM	- ELECTRIC STRIP MOLD		RECEP	-	RECEPTACLE
ETR	- EXISTING TO REMAIN		REL	-	RELOCATE
EWC	- ELECTRIC WATER COOLER		REQD	-	REQUIRED
			RMC	-	RIGID METAL CONDUIT
FA	- FIRE ALARM		RVAT	-	REDUCED VOLTAGE AUTO TRANSFORMER
FACP	- FIRE ALARM CONTROL PANEL				
FCU	- FAN COIL UNIT				
FDR	- FEEDER		SCCR	-	SHORT CIRCUIT CURRENT RATING
FDS	- FUSED DISCONNECT SWITCH				
FIXT	- FIXTURE		SHT	-	SHEET
FL	- AT FLOOR LINE		SIG	-	SIGNAL
FLA	- FULL LOAD AMPERES		SIM	-	SIMILAR
FLEX	- FLEXIBLE		SPD	-	SURGE PROTECTIVE DEVICE
FLR	- FLOOR		SPEC	-	SPECIFICATION
FLUOR	- FLUORESCENT		SS	-	SAFETY SWITCH
FS	- FLOW SWITCH		SSBJ	-	SUPPLY SIDE BONDING JUMPER
FSCP	- FLAME SAFEGUARD CONTROL PANEL		STA	-	STATION
			STR	-	STARTER
FVNR	- FULL VOLTAGE NON-REVERSING		SW	-	SWITCH
			SWBD	-	SWITCHBOARD
GC	- GENERAL CONTRACTOR		SWGR	-	SWITCHGEAR
GEN	- GENERATOR				
GFCI	- GROUND FAULT CIRCUIT INTERRUPTER		TEL	-	TELEPHONE
			TFA	-	TO FLOOR ABOVE
GFI	- GROUND FAULT INTERRUPTER		TFB	-	TO FLOOR BELOW
GFP	- GROUND FAULT PROTECTION		TS	-	TAMPER SWITCH / TIME SWITCH
GND	- GROUND		TV	-	TELEVISION
GTB	- GROUND TERMINAL BOX		TVTC	-	TELEVISION TERMINAL CABINET
			TYP	-	TYPICAL
HH	- HANDHOLE				
HOA	- HAND OFF AUTOMATIC		UC	-	UNDER COUNTER
HP	- HORSE POWER		UG	-	UNDERGROUND
HT	- HEIGHT / HEAT TRACE		UH	-	UNIT HEATER
HV	- HIGH VOLTAGE		UNO	-	UNLESS NOTED OTHERWISE
			UPS	-	UNINTERRUPTED POWER SUPPLY
IMC	- INTERMEDIATE METAL CONDUIT				
INV	- INVERTER		V	-	VOLTAGE
J or JB	- JUNCTION BOX		VFD	-	VARIABLE FREQUENCY DRIVE
			VP	-	VAPOR PROOF
KV	- KILOVOLT				
KVA	- KILOVOLT-AMPERES		W	-	WIRE
KW	- KILOWATTS		W/	-	WITH
KWH	- KILOWATT HOURS		WP	-	WEATHERPROOF
			WS	-	WALL SURFACE
			WT	-	WATER TIGHT
			XFMR	-	TRANSFORMER
			XP	-	EXPLOSION PROOF

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UW Health

KRUPP GENERAL CONTRACTORS

Affiliated Engineers

PIERCE ENGINEERS, INC.

PROJECT INFORMATION

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ISSUANCE AND REVISIONS

DATE	DESCRIPTION
04/28/2023	SCHEMATIC DESIGN
05/15/2023	UDC & LAND USE

SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER

PROJECT NUMBER 422291-02

ELECTRICAL SYMBOLS AND ABBREVIATIONS

E001

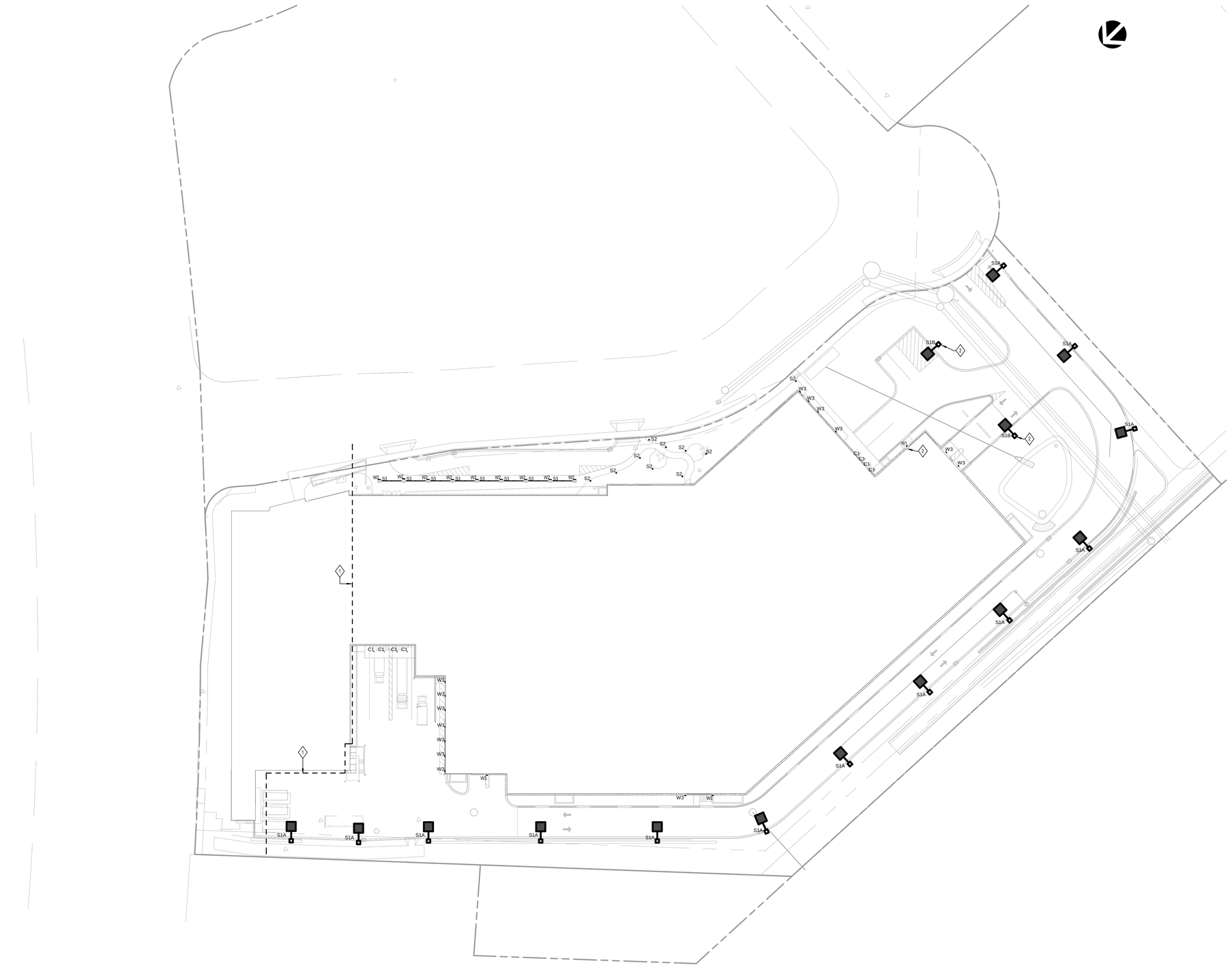
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A B C D E F

LUMINAIRE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	SOURCE TYPE	BALLAST/DRIVER - TYPE	WATTS	VOLT.	MOUNTING	NOTES	LOCATION	BUG RATING
C1	PORTFOLIO	LD4C-25-935-D010-PD-M-1-HH-LGSKT4IP66	90 CRI 2500 LUMENS NOMINAL 3000K LED	0-10V DIMMING INTEGRAL DRIVER MIN 1%	33 W	UNV	CEILING	FOUR INCH ROUND DOWNLIGHT WITH WET LOCATION LISTING. SEMI-SPECULAR REFLECTOR. SELF TRIM FLANGE. INSTALL WITH ENOUGH POWER LEAD TO BE ABLE TO CHANGE DRIVER FROM BELOW THE CEILING. DRIVER SHALL HAVE QUICK DISCONNECTS FOR EASE OF INSTALLATION AND MAINTENANCE.	LOADING DOCK CANOPY	B1-U0-G0
S1A	MCGRAW-EDISON	TLM-E03-LED-E03-SL3-BK-8030-DIM-HSS + 25' TALL BLACK POLE	80 CRI 9100 LUMENS NOMINAL 3000K LED	0-10V DIMMING INTEGRAL DRIVER MIN 1%	75 W	UNV	ARM MOUNT 25-FOOT POLE	LED ARM MOUNT AREA LIGHT WITH TYPE III DISTRIBUTION. LUMINAIRE SHALL HAVE LIGHT SPILL REDUCTION OPTICS AND A HOUSE SIDE SHIELD. PROVIDE MANUFACTURER RECOMMENDED 25-FOOT TALL POLE.	SITE ROADWAYS	B2-U0-G2
S1B	MCGRAW-EDISON	TLM-E03-LED-E06-SL4-BK-8030-DIM-HSS + 25' TALL BLACK POLE	80 CRI 17,500 LUMENS NOMINAL 3000K LED	0-10V DIMMING INTEGRAL DRIVER MIN 1%	149 W	UNV	ARM MOUNT 25-FOOT POLE	LED ARM MOUNT AREA LIGHT WITH TYPE IV DISTRIBUTION. LUMINAIRE SHALL HAVE LIGHT SPILL REDUCTION OPTICS AND A HOUSE SIDE SHIELD. PROVIDE MANUFACTURER RECOMMENDED 25-FOOT TALL POLE.	AMBULANCE PARKING	B3-U0-G3
S2	HYDREL	3120C-H4Z-BCOB-MVOLT-SYM-LDIM-BL-BLPL	80 CRI 1800 LUMENS NOMINAL 3000K LED	0-10V DIMMING INTEGRAL DRIVER MIN 1%	84 W	UNV	CONCRETE BASE	LED TYPE V BOLLARD WITH SYMMETRIC DISTRIBUTION AND PAINTED LOUVERS.	SITE PATHWAYS	B1-U2-G1
S3	ALIGHT	D5-16'0"-LS-30-U-HE.*-B-D-Q	80 CRI 1800 LUMENS NOMINAL 3000K LED	0-10V DIMMING INTEGRAL DRIVER MIN 1%	4.8 W/FT	UNV	WALL MOUNT	LED RECESSED LINEAR FOR WET LOCATION.	MAIN ENTRY CANOPY	B1-U0-G1
W1	MCGRAW-EDISON	TLM-E03-LED-E06-SL4-BK-8030-WM-DIM-HSS	80 CRI 17,500 LUMENS NOMINAL 3000K LED	0-10V DIMMING INTEGRAL DRIVER MIN 1%	149 W	UNV	WALL ARM MOUNTED	LED ARM MOUNT AREA LIGHT WITH TYPE IV DISTRIBUTION. LUMINAIRE SHALL HAVE LIGHT SPILL REDUCTION OPTICS AND A HOUSE SIDE SHIELD. PROVIDE WITH WALL ARM MOUNT INSTALLATION.	AMBULANCE PARKING LOADING DOCK AREA	B3-U0-G3
W2	ALIGHT	D4-2'0"-LS-30-U-N-R-O-D-Q	80 CRI 1800 LUMENS NOMINAL 3000K LED	0-10V DIMMING INTEGRAL DRIVER MIN 1%	5 W/FT	UNV	WALL MOUNT	LED WALL MOUNTED UPLIGHT TO LIGHT MAIN ENTRY CANOPY. FIXTURES ARE LOCATED TO ENSURE GREATER THAN 90% OF UPLIGHT IS BLOCKED BY CANOPY STRUCTURE. FIXTURE SHALL BE WET LOCATION LISTED SUITABLE FOR USE UNDER AN EXTERIOR CANOPY.	MAIN ENTRY CANOPY	B0-U5-G0
W3	BEGA	33329 + K3	80 CRI 1800 LUMENS NOMINAL 3000K LED	0-10V DIMMING INTEGRAL DRIVER MIN 1%	8W	UNV	WALL MOUNT	LED WALL PACK.	VARIES	N/A



1 **ELECTRICAL SITE LIGHTING PLAN**
SCALE: 1" = 30'-0"

GENERAL NOTES

1. REFER TO SHEET E001 FOR SYMBOLS AND ABBREVIATIONS AND ADDITIONAL GENERAL NOTES.
2. REFER TO ARCHITECTURAL ELEVATIONS, FLOOR PLANS, AND CIVIL/LANDSCAPE DRAWINGS FOR EXACT DEVICE LOCATIONS AND ORIENTATION. ELECTRICAL DRAWINGS INDICATE DEVICE QUANTITIES AND RELATIVE LOCATION, BUT EXACT LOCATION AND ELEVATION SHALL BE PER ARCHITECTURAL DRAWINGS. IN THE ABSENCE OF AN ARCHITECTURAL ELEVATION, ELECTRICAL DRAWINGS SHALL TAKE PRECEDENCE.
3. ALL BRANCH CIRCUIT WIRING FOR SITE LIGHTING SHALL BE #8 IN 1" CONDUIT MINIMUM UNLESS OTHERWISE NOTED. BURIAL DEPTH OF CONDUITS UNDER PAVEMENT SHALL BE 24" BELOW GRADE MINIMUM. BURIAL DEPTH OF CONDUITS IN GRASS AREA SHALL BE 18" BELOW GRADE MINIMUM. COORDINATE ROUTING WITH CIVIL AND LANDSCAPE PLANS.
4. POLE BASES SHALL BE 3-FEET FROM EDGE OF SIDEWALK TO NEAREST EDGE OF POLE BASE WHERE POSSIBLE.
5. LIGHTING SHOWN ON THIS DRAWING IS TO THE BEST UNDERSTANDING OF THE PROJECT TO DATE. EXACT LOCATIONS MAY SHIFT A FEW FEET IN EITHER DIRECTION AS DESIGN PROGRESSES.
6. ALL SITE LIGHTING SHALL BE CONTROLLED THROUGH BUILDING LIGHTING CONTROL SYSTEM. THE SYSTEM SHALL TURN SITE LIGHTING ON VIA EXTERIOR MOUNTED PHOTOCELL AND SHALL BE CONTROLLED OFF VIA PROGRAMMING AND/OR PHOTOCELL.

KEY NOTES

1. LIGHTING BEYOND DASHED LINE IS NOT IN SCOPE. EXISTING LIGHTING TO REMAIN IN AREAS BEYOND DASHED LINE.
2. LUMINAIRE AT THIS LOCATION SHALL BE TIED TO A LOW-VOLTAGE DIMMER INSIDE AMBULANCE DROP-OFF VESTIBULE. LIGHTS SHALL BE PROGRAMMED ON TO 50% OF MAXIMUM OUTPUT. DURING AN EVENT REQUIRING EMERGENCY AMBULANCE PICK-UP/DROP-OFF, LOCAL OVER-RIDE SWITCH SHALL BRING LIGHTS ON TO 100% FOR A PERIOD OF 1-HOUR. AFTER 1-HOUR, LIGHTING SHALL REVERT BACK TO PROGRAMMED STATE.

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DIRECT PHONE: 414-291-8145
EMAIL ADDRESS: robb@eua.com
UW Health
KRUPP GENERAL CONTRACTORS
Affiliated Engineers
PIERCE ENGINEERS, INC.

PROJECT INFORMATION

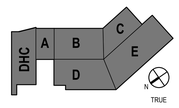
750 UNIVERSITY ROW EXPANSION

750 University Row
Madison, WI 53703

ISSUANCE AND REVISIONS

DATE	DESCRIPTION
05/15/2023	UDC & LAND USE

KEY PLAN



SHEET INFORMATION

PROGRESS DOCUMENTS NOT FOR CONSTRUCTION

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and shall not be used for final bidding or construction-related purposes.

PROJECT MANAGER

PROJECT NUMBER 422291-02

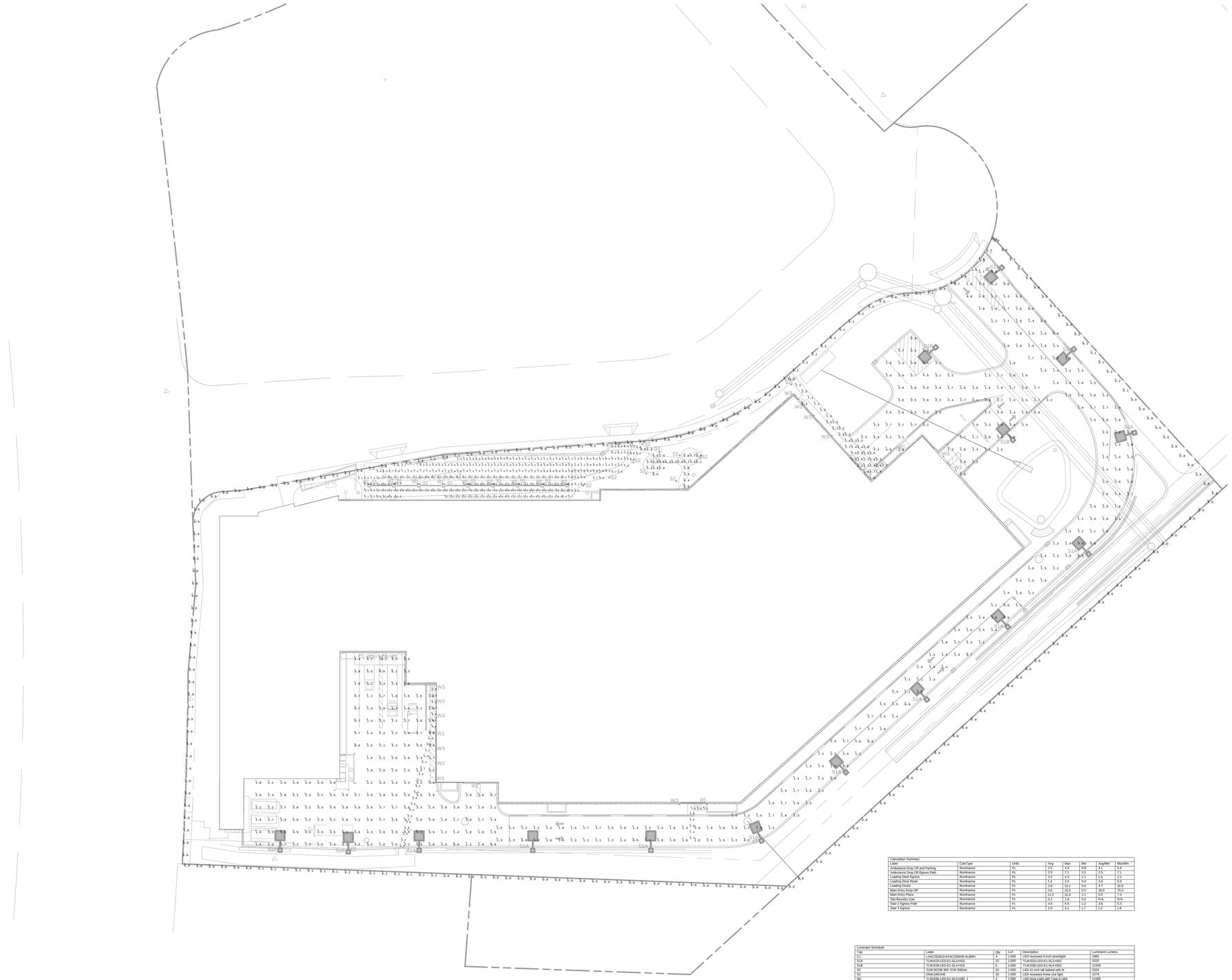
ELECTRICAL SITE LIGHTING PLAN

EL050

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1 2 3 4 5 6 7 8

A B C D E F



Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Ambulance Drop Off and Parking	Illuminance	Fc	2.5	4.4	0.8	3.1	5.4
Ambulance Drop Off Egress Path	Illuminance	Fc	2.0	7.1	1.0	2.0	7.1
Loading Dock Egress	Illuminance	Fc	3.2	4.3	2.1	1.5	2.1
Loading Dock Road	Illuminance	Fc	1.4	2.0	0.4	3.4	5.0
Loading Docks	Illuminance	Fc	2.8	10.1	0.6	4.7	16.8
Main Entry Drop-Off	Illuminance	Fc	5.6	15.0	0.2	28.0	75.0
Main Entry Plaza	Illuminance	Fc	11.5	15.4	2.1	5.5	7.3
Site Boundry Calc	Illuminance	Fc	0.2	2.8	0.0	N.A.	N.A.
Stair 2 Egress Path	Illuminance	Fc	4.6	8.9	1.3	3.6	6.9
Stair 4 Egress	Illuminance	Fc	2.0	3.1	1.7	1.2	1.8

Luminaire Schedule					
Tag	Label	Qty	LLF	Description	Luminaire Lumens
C1	LXAC250010-EXAC259030-4LBMH	4	1.000	LED recessed 4 inch downlight	1882
S1A	TLM-ESS-LED-E1-SL3-HSS	10	1.000	TLM-ESS-LED-E1-SL3-HSS	5050
S1B	TLM-ESB-LED-E1-SL4-HSS	5	1.000	TLM-ESB-LED-E1-SL4-HSS	12200
S2	GALLEON_SGK 5YW 300mA	10	1.000	LED in inch tall bollard with bl	1576
S3	SAIL BOLLARD	10	1.000	LED in inch tall bollard with bl	1576
W1	TLM-ESE-LED-E1-SL4-HSS_1	2	1.000	LED Area Light with Type IV dist	12200
W2	GALLWSCAD	8	0.500	LED uplight luminaire to uplight	3054
W3	33329_BEGA_IES	16	1.000	LED wall pack, Mounted at 8' af	366

1 ELECTRICAL SITE LIGHTING CALCULATIONS

SCALE: 1" = 30'-0"

eua
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PROJECT MANAGER

PROJECT NUMBER 422291-02

ELECTRICAL SITE LIGHTING CALCULATIONS

ELC050

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1 2 3 4 5 6 7 8

A B C D E F

TYPE S1A

McGraw-Edison

DESCRIPTION

Incorporating modular LED LightBAR™ technology, the Talon luminaire brings outstanding uniformity and energy-conscious illumination to walkways, parking lots, roadways, building areas and any security lighting application. UL/ cUL listed for wet locations.

		Type
Catalog #		
Project	UNIVERSITY ROW	S1A
Comments		Date
Prepared by	TG	

SPECIFICATION FEATURES

Construction
One-piece heavy-wall, die-cast aluminum construction with integral reveal channels along top surface of housing. Optimized for reliable operation from 40°C down to -40°C, internal cast-in wall separates optical and electrical chambers allowing components to operate cooler. Stainless steel latches and hinges allow for tool-less opening and removal of door frame.

Optics
Choice of twelve patented, high-efficiency AccuLED Optics™ distributions. Optics are precisely designed to shape the light output, maximizing efficiency and application spacing. AccuLED Optics technology creates consistent distributions with the scalability to meet customized application requirements. Offered Standard in 4000K (+/- 275K) CCT and minimum 70 CRI; optional 3000K CCT, 5000K CCT and 5700K CCT. For the ultimate level of spill light control, an optional house-side shield accessory can be field or factory installed. The house-side shield is designed to seamlessly integrate with the SL2, SL3 or SL4 optics.

Electrical
LED drivers mount to die-cast aluminum housing for optimal heat sinking, operation efficacy, and prolonged life. Standard drivers feature electronic universal voltage (120-277V 50/60Hz). 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480Y Wye systems only. Greater than 0.9 power factor, less than 20% harmonic distortion. All fixtures are shipped standard with 10kV/10kA common – and differential – mode surge protection. LightBARs feature an IP66 enclosure rating and maintain greater than 95% lumen maintenance at 60,000 hours per IESNA TM-21. Occupancy sensor and dimming options available.

Mounting
Extruded 8" aluminum arm includes internal bolt guides allowing for easy positioning of fixture during installation to pole or tenon. Offered in standard carton packaging of housing, square pole arm and round pole adapter for contractor-friendly arrival of product on site. Optional mounting methods include a wall mount plate, an external mast arm that accepts 2-3/8" O.D. horizontal tenons and direct mounting to pole or wall surfaces. Tenon adapters available to slipfit over poles equipped with 2-3/8" or 3-1/2" O.D. tenon. 3G vibration rated.

Finish
Housing and arm finished in a five-stage super TGIC-polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the Product Finishes Selection Guide for complete list of available finishes. Options to meet Buy American Act requirements.

Warranty
Five-year warranty.

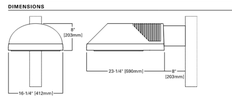


TLM
TALON MEDIUM LED

1 - 6 LightBARs
Solid State LED

ARCHITECTURAL AREA LUMINAIRE

DIMENSIONS



CERTIFICATION DATA
UL/cUL Listed
LM79 / LM80 Compliant
IP66 LightBARs
3G Vibration Rated
ISO 9001

ENERGY DATA
Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120V, 277V, 50Hz & 60Hz, 347V/60Hz, 480V/60Hz
-40°C Minimum Temperature
40°C Ambient Temperature Rating

EPA
Effective Projected Area: (Sq. Ft.)
1.89 with 8" Arm

SHIPPING DATA
Approximate Net Weight:
42 lbs. (19.09 kgs.)

COOPER Lighting Solutions

TD500015EN
February 3, 2023 5:08 PM

TYPE S1B

McGraw-Edison

DESCRIPTION

Incorporating modular LED LightBAR™ technology, the Talon luminaire brings outstanding uniformity and energy-conscious illumination to walkways, parking lots, roadways, building areas and any security lighting application. UL/ cUL listed for wet locations.

		Type
Catalog #		
Project	UNIVERSITY ROW	S1B
Comments		Date
Prepared by	TG	

SPECIFICATION FEATURES

Construction
One-piece heavy-wall, die-cast aluminum construction with integral reveal channels along top surface of housing. Optimized for reliable operation from 40°C down to -40°C, internal cast-in wall separates optical and electrical chambers allowing components to operate cooler. Stainless steel latches and hinges allow for tool-less opening and removal of door frame.

Optics
Choice of twelve patented, high-efficiency AccuLED Optics™ distributions. Optics are precisely designed to shape the light output, maximizing efficiency and application spacing. AccuLED Optics technology creates consistent distributions with the scalability to meet customized application requirements. Offered Standard in 4000K (+/- 275K) CCT and minimum 70 CRI; optional 3000K CCT, 5000K CCT and 5700K CCT. For the ultimate level of spill light control, an optional house-side shield accessory can be field or factory installed. The house-side shield is designed to seamlessly integrate with the SL2, SL3 or SL4 optics.

Electrical
LED drivers mount to die-cast aluminum housing for optimal heat sinking, operation efficacy, and prolonged life. Standard drivers feature electronic universal voltage (120-277V 50/60Hz). 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480Y Wye systems only. Greater than 0.9 power factor, less than 20% harmonic distortion. All fixtures are shipped standard with 10kV/10kA common – and differential – mode surge protection. LightBARs feature an IP66 enclosure rating and maintain greater than 95% lumen maintenance at 60,000 hours per IESNA TM-21. Occupancy sensor and dimming options available.

Mounting
Extruded 8" aluminum arm includes internal bolt guides allowing for easy positioning of fixture during installation to pole or tenon. Offered in standard carton packaging of housing, square pole arm and round pole adapter for contractor-friendly arrival of product on site. Optional mounting methods include a wall mount plate, an external mast arm that accepts 2-3/8" O.D. horizontal tenons and direct mounting to pole or wall surfaces. Tenon adapters available to slipfit over poles equipped with 2-3/8" or 3-1/2" O.D. tenon. 3G vibration rated.

Finish
Housing and arm finished in a five-stage super TGIC-polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the Product Finishes Selection Guide for complete list of available finishes. Options to meet Buy American Act requirements.

Warranty
Five-year warranty.

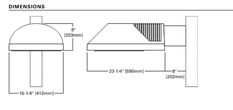


TLM
TALON MEDIUM LED

1 - 6 LightBARs
Solid State LED

ARCHITECTURAL AREA LUMINAIRE

DIMENSIONS



CERTIFICATION DATA
UL/cUL Listed
LM79 / LM80 Compliant
IP66 LightBARs
3G Vibration Rated
ISO 9001

ENERGY DATA
Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120V, 277V, 50Hz & 60Hz, 347V/60Hz, 480V/60Hz
-40°C Minimum Temperature
40°C Ambient Temperature Rating

EPA
Effective Projected Area: (Sq. Ft.)
1.89 with 8" Arm

SHIPPING DATA
Approximate Net Weight:
42 lbs. (19.09 kgs.)

COOPER Lighting Solutions

TD500015EN
February 3, 2023 5:08 PM

TYPE S2

HYDREL

CATALOG NUMBER
NOTES
TYPE S2



Specifications
Diameter: 9"
229 mm
Diameter*: 8"
204 mm
Height: 42"
1074 mm
Height*: 36"
915 mm
Weight: 35lbs

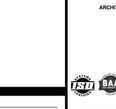
3120C LED
Impact Resistant Round Bollard Flat Top

HIGHLIGHTS

- A confident solution for safety and performance in a proven vandal resistant bollard
- Motion Sensing Bi-Level switching using electromagnetic occupancy sensor → 20fc range
- USB receptacle or GFCI receptacle options
- 0-10V Dimming, ELV dimming
- Emergency operation up to 90 minutes
- 1810 lumens

5 YEAR
LE
IP65
BAA

DIMENSIONS



MOUNTING



LUMEN PACKAGES

Delivered Lumens	1810
Watts	84
LPW	22

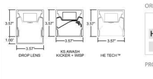
Note: Information Based on 50K

© 2014-2022 Acuity Brands Lighting, Inc. • One Lithonia Way, Conyers GA 30012
Phone: 800-705-SERV (7378) • www.hydrel.com

TYPE S3

D5 | SPECIFICATION GUIDE





ORDERING CODE

D5	16'0"	LS	30	U	
HE	**	O	D		
	Q				

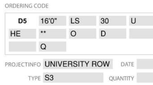
PROJECTINFO: UNIVERSITY ROW DATE
TYPE: S3 QUANTITY

PERFORMANCE AT 3500K

OUTPUT	OPTICS	NOMINAL LUMEN OUTPUT	NOMINAL INPUT WATTS	NOMINAL EFFICACY
LH (High)	HE Tech™	1114 lm/ft	9.8 W/ft	114 lm/W
	Asymmetric Wisp	972 lm/ft	9.8 W/ft	99 lm/W
	1" Drop Lens	926 lm/ft	9.8 W/ft	95 lm/W
	Flat Blade Louver*	990 lm/ft	9.8 W/ft	101 lm/W
LS (Standard)	HE Tech™	575 lm/ft	4.8 W/ft	119 lm/W
	Asymmetric Wisp	469 lm/ft	4.8 W/ft	98 lm/W
	1" Drop Lens	478 lm/ft	4.8 W/ft	100 lm/W
	Flat Blade Louver*	511 lm/ft	4.8 W/ft	106 lm/W

*Flat Blade Louver calculated using 1ft. aluminum blade.

MOUNTINGOPTIONS



D5	16'0"	LS	30	U	HE
SERIES	LENGTH OR PATTERN TYPE	INTERSECTION TYPE	OUTPUT	LED CCT	LED CRI	VOLTAGE	DIRECT OPTICS
D5	Nominal Length*	IT "I" Intersection*	LS Standard Output	27 2700K	80 CRI	UNV 120V - 277V	HE HE Tech
	RL Exact Length*	IX "X" Intersection*	HO High Output	30 3000K	90 CRI 90+ CRI	347 347V	AS Asymmetric Kicker + WISP
	PL "L" Shape***	IY "Y" Intersection**	CL Custom Output	35 3500K			DL 1" Drop Lens*
	PU "U" Shape***			40 4000K			LV Flat Blade Louvers**
	PR Rectangle / Square***			TW Tunable White*			PFW Polycarbonate Flush WISP
	CP Custom Pattern****			DW Dim-to-warm*			WW Wall Wash
	*Specify in feet to the nearest foot (ex. 12) for Nominal Length. Add 6" for Exact Length. **Specify in inches to the nearest 1/8 (ex. Pattern Code for combination's). Consult your lighting representative.			*Not available with Dim-to-warm and HO Output / 90CRI options. Not available with Asymmetric Wisp and Polycarbonate Flush Wisp. ***Only recommend intersection as well with HE Tech and Polycarbonate Flush Wisp optics.			BW Battwing Wide

*Not available with Dim-to-warm and 90+ CRI options. **Available from 20% to 100% of LED output. ***Not available with HE optics.

**	O	D	EMERGENCY
MOUNTING	FINISH*	DIMMING	
G Flush Gyp / Mud Over Flange	T Titanium	D Standard 0-10V*	EC Emergency - circuited*
RG 1" Regressed Gyp / Mud Over Flange	W White	D1 Lutron Ecosystems 1% (LDE1)	E Emergency - battery**
XP 1/2" T-Bar	B Black	D2 Lutron Ecosystems 10% (LDE2)	
T T-Bar 9/16"	G Grey	DALI DALI dim*	
T5 T-Bar 15/16"	O Other**	NAIR NLight AIR (dim-to-off)	
N T-Bar 9/16 Slot		NAIRR nLight RAIR (dim-to-off)	
T4 4" On Center Standard T-Bar 9/16"		DO Other Dimming	
N4 4" On Center Slot T-Bar 9/16"*		*0-10V/DALI dimming to 10% unless otherwise specified. **Available in 7 DAP RAL finish (see Accessories).	
*Housing slightly regressed.	*Standard only for HO and 90+ mounting types. **Consult factory.		

*Available in 4" nominal housing only. Not available with HO finish. Not available with 90+ CRI. Consult factory for more information.

Q	
SENSORS	OPTIONS
OF Occupancy Sensor - Fixture	MRL 2" LED Downlight Module*
PF Photocell / Daylight Sensor - Fixture	M Multi-Circuit**
OPF Occupancy & Daylight Sensor - Fixture	R Right Endcap Feed
	L Left Endcap Feed
	K Natatorium Application***
	EL Wet Location****
	CP Chicago Plenum
	MRI MRI

*Specify required quantity; see D5 Module Addendum for additional ordering details. **Custom multi-circuiting requirements.
***Not available with Emergency or Dim-to-warm. Consult Lumen Optics. Saloon hardware is offered for this ceiling.
****Not available outside 4 hr coverage area of either circuit that powers applicable fixture (see Accessories).
Consult factory for more information. Not compatible with Dim-to-warm. Consult factory for more information. Not compatible with Dim-to-warm or Flat Blade Louvers Optics.

Sensor will be ordered & factory-set

a-light

3731 WILSHIRE BLVD | OCEANSIDE, CA 92056 | 760.727.7676
ALIGHTS.COM | REV.3.0 01/2023



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333 East Chicago Street
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PROJECT NUMBER 422291-02

SITE LIGHTING FIXTURE CUT SHEETS

EL051

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TYPE S1A

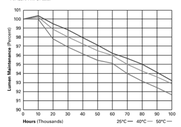
POWER AND LUMENS BY BAR COUNT (21 LED LIGHTBARS)

Number of LightBARs	E01	E02	E03	E04	E05	E06
Drive Current	350mA Drive Current					
Power (Watts)	25W	52W	75W	97W	127W	149W
Current @ 120V (A)	0.22	0.44	0.63	0.82	1.07	1.26
Current @ 277V (A)	0.10	0.20	0.28	0.36	0.48	0.56
Power (Watts)	31W	58W	82W	99W	132W	159W
Current @ 347V (A)	0.11	0.19	0.28	0.29	0.39	0.48
Current @ 480V (A)	0.09	0.15	0.20	0.21	0.30	0.36
T2 Lumens	3,064	6,128	9,192	12,255	15,319	18,383
BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3
T3 Lumens	3,084	6,168	9,252	12,336	15,420	18,504
BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3
T4 Lumens	3,022	6,044	9,066	12,088	15,110	18,132
BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3
5MQ Lumens	3,224	6,448	9,672	12,896	16,120	19,344
BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
5WQ Lumens	3,184	6,368	9,551	12,735	15,919	19,103
BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3
5XQ Lumens	3,181	6,361	9,542	12,722	15,903	19,083
BUG Rating	B2-U0-G2	B3-U0-G2	B3-U0-G3	B4-U0-G3	B4-U0-G4	B4-U0-G4
SL2 Lumens	3,055	6,110	9,165	12,220	15,275	18,331
BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3
SL3 Lumens	3,036	6,072	9,108	12,145	15,181	18,217
BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G3
SL4 Lumens	2,954	5,908	8,862	11,816	14,771	17,725
BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3
RW Lumens	3,124	6,248	9,372	12,496	15,620	18,744
BUG Rating	B2-U0-G2	B3-U0-G2	B3-U0-G3	B4-U0-G3	B4-U0-G4	B4-U0-G4
SLL/SLR Lumens	2,782	5,565	8,347	11,130	13,912	16,695
BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G4

LUMEN MAINTENANCE

Ambient Temperature	25,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours*	Theoretical L70 (Hours)
25 C	> 99%	> 97%	> 96%	> 93%	> 450,000
40 C	> 98%	> 97%	> 96%	> 92%	> 425,000
50 C	> 97%	> 96%	> 95%	> 91%	> 400,000

* Per IESNA TM-21 data.



LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10 C	1.02
15 C	1.01
25 C	1.00
40 C	0.99
50 C	0.96

TYPE S1B

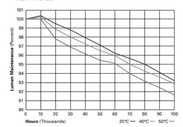
POWER AND LUMENS BY BAR COUNT (21 LED LIGHTBARS)

Number of LightBARs	E01	E02	E03	E04	E05	E06
Drive Current	350mA Drive Current					
Power (Watts)	25W	52W	75W	97W	127W	149W
Current @ 120V (A)	0.22	0.44	0.63	0.82	1.07	1.26
Current @ 277V (A)	0.10	0.20	0.28	0.36	0.48	0.56
Power (Watts)	31W	58W	82W	99W	132W	159W
Current @ 347V (A)	0.11	0.19	0.28	0.29	0.39	0.48
Current @ 480V (A)	0.09	0.15	0.20	0.21	0.30	0.36
T2 Lumens	3,064	6,129	9,192	12,255	15,319	18,383
BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3
T3 Lumens	3,084	6,168	9,252	12,336	15,420	18,504
BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3
T4 Lumens	3,022	6,044	9,066	12,088	15,110	18,132
BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3
5MQ Lumens	3,224	6,448	9,672	12,896	16,120	19,344
BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
5WQ Lumens	3,184	6,368	9,551	12,735	15,919	19,103
BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3
5XQ Lumens	3,181	6,361	9,542	12,722	15,903	19,083
BUG Rating	B2-U0-G2	B3-U0-G2	B3-U0-G3	B4-U0-G3	B4-U0-G4	B4-U0-G4
SL2 Lumens	3,055	6,110	9,165	12,220	15,275	18,331
BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3
SL3 Lumens	3,036	6,072	9,108	12,145	15,181	18,217
BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G3
SL4 Lumens	2,954	5,908	8,862	11,816	14,771	17,725
BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3
RW Lumens	3,124	6,248	9,372	12,496	15,620	18,744
BUG Rating	B2-U0-G2	B3-U0-G2	B3-U0-G3	B4-U0-G3	B4-U0-G4	B4-U0-G4
SLL/SLR Lumens	2,782	5,565	8,347	11,130	13,912	16,695
BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G4	B2-U0-G4

LUMEN MAINTENANCE

Ambient Temperature	25,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours*	Theoretical L70 (Hours)
25 C	> 99%	> 97%	> 96%	> 93%	> 450,000
40 C	> 98%	> 97%	> 96%	> 92%	> 425,000
50 C	> 97%	> 96%	> 95%	> 91%	> 400,000

* Per IESNA TM-21 data.



LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10 C	1.02
15 C	1.01
25 C	1.00
40 C	0.99
50 C	0.96

TYPE S2

HYDREL

3120C LED | 2

ORDERING INFORMATION

EXAMPLE: 3120C H36 8COB 50K MVOLT SYM BL

Series	Height	Lamp type	Color	Voltage	Distribution	Options*
3120C	H24	4COB	20K 2000°K Color Temp.	MVOLT 120-277 volt	SYM Symetrical Spot	BLS** Bi-Level Switching (Motion Activated)
	H36	8COB	30K 3000°K Color Temp.	120*	FT* Forward Throw	GFCI Receptacle
	H42		40K 4000°K Color Temp.	277*		ELN** Emergency Operation (1387.5 lumen output, 90 minutes)
			50K 5000°K Color Temp.	347		
			AMBLW Limited wavelength Amber 591 Nanometers.			LDIM 0-10V Dimming (Dims to 10%)
						IDIM In-line Trailing Edge ELV Dimming (Dims to 40%), 120 volt only
						USB USB charging port, 120 volt only, cannot be used with GFCI

*Not available with BLS options.

Finish

BL	Black	STG	Steel Gray
BZ	Bronze	TVG	Terra Verde Green
DDB	Dark Bronze	WH	White
DNA	Natural Aluminum	CF	Custom
GN	Green	_2*	2in Undercut
GR	Gray	RALTBD	RAL Paint Finishes
SND	Sand	Note: RALTBD for printing only, replace with applicable RAL call out when ready to order. See the RALEXACHOME for available options. It is recommended that Hydrel products only use textured paint.	

Optional Louvers Painted* ___ /PL
Louvers painted to match fixture (top only)

ELECTRICAL LOAD

Light Engines	Drive Current	System Watts	Current (A)					
			120	208	240	277	347	480
4 COB	350mA	42.35	0.403	0.348	0.301	0.261	0.209	0.151
8 COB	700mA	83.95	0.700	0.404	0.350	0.303	0.242	0.175

PROJECTED LED LUMEN MAINTENANCE

Data references the extrapolated performance projections for the **Fixture** platform in a **25°C ambient**, based on 13,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate L87, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.00	0.91	0.85	0.75

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 1.05
10°C	50°F 1.03
20°C	68°F 1.01
25°C	77°F 1.00
30°C	86°F 0.99
40°C	104°F 0.98

Notes:
1 4COB for use with 20K and AMBLW only. 20K and AMBLW require 4COB.
2 Required with ELN or BLS.
3 FT not available with BLS.
4 BLS is not available with TLN, LDM or IDM.
5 ELN and BLS require 120 or 277 voltage, not MVOLT or 347.
6 Dims current will be 250.
7 ELN not available at 24" height.
8 Do not use emergency in wet environments.
9 Louvers will be black unless otherwise specified (top only).

Lighting Facts

Light Output (Lumens) 1534
Watts 83.95
Luminous per Watt (Efficacy) 18

Color Accuracy
Color Rendering Index (CRI) 84

CCT Color Temperature 4000k (Bright White)

Zone Values: Backlight 0-90° 1534 | Uplight 90-180° 0 | Glare 0-180° 1534

Tested in accordance to IESNA LM-79-08. Values Based on Performance of Luminaire Tested in Test Data Laboratory. Test ID: Document Number (LED) number and serial identification.

Visit www.lightingfacts.com for the Label Reference Guide.

Manufacturer Name: HYDREL/ACUITY BRANDS
Manufacturer Address: 1 LITHONIA WAY
Model Number: 3120C

© 2014-2022 Acuity Brands Lighting, Inc. • One Lithonia Way, Conyers GA 30012
Phone: 800-705-SERV (7378) • www.hydrel.com

TYPE S3

D5 | PHOTOMETRY

LIGHT LOSS FACTORS (LLF)

OUTPUT	CCT	%	CRI 80+ OPTICS: HE Tech™	CRI 80+ OPTICS: Asymmetric WISP	CRI 80+ OPTICS: Drop Lens	CRI 80+ OPTICS: Flat Blade Louver	%	CRI 90+ OPTICS: HE Tech™	CRI 90+ OPTICS: Asymmetric WISP	CRI 90+ OPTICS: Drop Lens	CRI 90+ OPTICS: Flat Blade Louver
LH (High)	4000k	100%	1135 lm/ft	991 lm/ft	946 lm/ft	1011 lm/ft	88.3%	1002 lm/ft	877 lm/ft	835 lm/ft	892 lm/ft
	3500k	97.9%	1114 lm/ft	972 lm/ft	926 lm/ft	990 lm/ft	85.4%	969 lm/ft	848 lm/ft	808 lm/ft	863 lm/ft
	3000k	94.2%	1069 lm/ft	935 lm/ft	891 lm/ft	952 lm/ft	80.7%	916 lm/ft	801 lm/ft	763 lm/ft	816 lm/ft
	2700k	90.6%	1028 lm/ft	900 lm/ft	857 lm/ft	916 lm/ft	76.5%	868 lm/ft	760 lm/ft	724 lm/ft	773 lm/ft
LS (Standard)	4000k	100%	586 lm/ft	479 lm/ft	488 lm/ft	522 lm/ft	88.3%	517 lm/ft	423 lm/ft	431 lm/ft	461 lm/ft
	3500k	97.9%	575 lm/ft	469 lm/ft	478 lm/ft	511 lm/ft	85.4%	500 lm/ft	409 lm/ft	416 lm/ft	447 lm/ft
	3000k	94.2%	552 lm/ft	451 lm/ft	460 lm/ft	492 lm/ft	80.7%	473 lm/ft	387 lm/ft	421 lm/ft	394 lm/ft
	2700k	90.6%	531 lm/ft	434 lm/ft	442 lm/ft	473 lm/ft	76.5%	448 lm/ft	366 lm/ft	399 lm/ft	372 lm/ft

Assumed at 80% DFR.

TUNNABLE WHITE | LIGHT LOSS FACTORS (LLF)

OUTPUT	CCT	%	CRI 80+ OPTICS: HE Tech™	CRI 80+ OPTICS: Asymmetric WISP	CRI 80+ OPTICS: Drop Lens	CRI 80+ OPTICS: Flat Blade Louver
LH (High)	5000k	100%	860 lm/ft	687 lm/ft	783 lm/ft	837 lm/ft
	2700k	91.0%	783 lm/ft	643 lm/ft	733 lm/ft	783 lm/ft
LS (Standard)	5000k	100%	410 lm/ft	361 lm/ft	412 lm/ft	440 lm/ft
	2700k	91.0%	374 lm/ft	330 lm/ft	376 lm/ft	402 lm/ft

For standard output (LS) -50%. Values are applicable for Tunable White and Dim-to-warm only.

a-light

TYPE S1A

ORDERING INFORMATION

Sample Number: TLM E03 LED E1-T3-BK

Product Family 1,2	Number of LightBARs 3,4,5	Lamp Typ	Voltage	Distribution	Color 6
TLM Talon Medium	E01=(1) 21 LED LightBAR	LED=Solid State Light Emitting Diodes	ET=Electronic Universal	T2=Type II	AP=Grey
Wattage Tunable Medium, Buy American Act Compliant 26	E02=(2) 21 LED LightBARs		120-277V	T3=Type III	BK=Black
	E03=(3) 21 LED LightBARs		347-347V	T4=Type IV	DBT=Dark Bronze
	E04=(4) 21 LED LightBARs		480-480V 4	SL2=Type II w/Spill Control	DP=Platinum
	E05=(5) 21 LED LightBARs			SL3=Type III w/Spill Control	GM=Graphite Metallic
	E06=(6) 21 LED LightBARs			SL4=Type IV w/Spill Control	WH=White
	F01=(1) 7 LED LightBARs			RW=Rectangular Wide	
	F02=(2) 7 LED LightBARs			SQ=Type V Square Wide	
	F03=(3) 7 LED LightBARs			SXQ=Type V Square Extra Wide	
	F04=(4) 7 LED LightBARs			RW=Rectangular Wide	
	F05=(5) 7 LED LightBARs			SLL=90° Spill Light Eliminator Left	
	F06=(6) 7 LED LightBARs			SLR=90° Spill Light Eliminator Right	

Options (Add as Suffix)

P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage)	MA1010-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon
PER=NEMA 7-Pin Receptacle Photocontrol Only 7	MA1012-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon
PERT=NEMA 7-Pin Twistlock Photocontrol Receptacle 8	MA1032-XX=3-1/2" Tenon Adapter for 2-3/8" O.D. Tenon
PT=Electrical Power Tray	MA1033-XX=4190" Tenon Adapter for 3-1/2" O.D. Tenon
DL=Diva

TYPE W1

McGraw-Edison

DESCRIPTION

Incorporating modular LED LightBAR™ technology, the Talon luminaire brings outstanding uniformity and energy-conscious illumination to walkways, parking lots, roadways, building areas and any security lighting application. UL/ cUL listed for wet locations.

Catalog #		Type	
Project	UNIVERSITY ROW	W1	
Comments		Date	
Prepared by	TG		

SPECIFICATION FEATURES

Construction
One-piece heavy-wall, die-cast aluminum construction with integral heat sink channels along top surface of housing. Optimized for reliable operation from 40°C down to -40°C, internal cast in wall separates optical and electrical chambers allowing components to operate cooler. Stainless steel latches and hinge allow for tool-less opening and removal of door frame.

Optics
Choice of twelve patented, high-efficiency AccuLED Optics™ distributions. Optics are precisely designed to shape the light output, maximizing efficiency and application spacing. AccuLED Optics technology creates consistent distributions with the scalability to meet customized application requirements. Offered Standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 3000K CCT, 5000K CCT and 5700K CCT, and an optional high-output 90 CRI version are also offered. Internal side-shield accessory can be field or factory installed. The house-side shield is designed to seamlessly integrate with the SL2, SL3 or SL4 optics.

Electrical
LED drivers mount to die-cast aluminum back housing for optimal heat sinking and operation efficacy, and prolonged life. Standard drivers feature electronic universal voltage (120-277V 50/60Hz), 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480Y Wye systems only. Greater than 0.9 power factor, less than 20% harmonic distortion. All fixtures are shipped standard with 10kV/10kA common – and differential – mode surge protection. LightBARs feature an IP66 enclosure rating and maintain greater than 95% lumen maintenance at 60,000 hours per IESNA TM-21. Occupancy sensor and dimming options available.

Mounting
Extruded 8" aluminum arm includes internal bolt guides allowing for easy positioning of fixture during installation to pole or wall surface. Standard single carton packaging of housing, square pole arm and round pole adapter for ease of ordering and reduction of product on site. Optional mounting methods include a wall mount plate, an external mast arm that accepts 2-3/8" O.D. horizontal tenons and direct mounting to pole or wall surfaces. Tenon adapters available to slipfit over poles equipped with 2-3/8" or 3-1/2" O.D. tenon. 3G vibration rated.

Finish
Housing and arm finished in a five-stage super TGIC-polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom colors matches available. Consult the Product Finishes Selection Guide for complete list of available finishes. Options to meet Buy American Act requirements.

Warranty
Five-year warranty.



TLM
TALON MEDIUM LED

1 - 6 LightBARs
Solid State LED

ARCHITECTURAL AREA LUMINAIRE

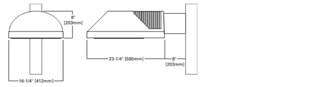
CERTIFICATION DATA
UL/cUL Listed
LM79 / LM80 Compliant
IP66 LightBARs
3G Vibration Rated
ISO 9001

ENERGY DATA
Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120V, 208V, 240V, 277V, & 347V 60Hz, 347/480Y, 480/277VAC
-40°C Minimum Temperature
40°C Ambient Temperature Rating

EPA
Effective Projected Area: (Sq. Ft.)
1.89 with 8' Arm

SHIPPING DATA
Approximate Net Weight:
42 lbs. (19.09 kgs.)

DIMENSIONS



TD500018EN
February 3, 2023 5:08 PM

TYPE W2

D4 | SPECIFICATION GUIDE





ORDERING CODE

D4					
	N	D	R	O	
D			Q		

PROJECT INFO: UNIVERSITY ROW | DATE
TYPE: W2 | QUANTITY

PERFORMANCE AT 4000K

OUTPUT	DISTRIBUTION	NOMINAL LUMEN OUTPUT	INPUT WATTS	EFFICACY
V. High	Symmetric Wide	1,648 lm/ft	20 W/ft	99 lm/W
High	Symmetric Wide	824 lm/ft	9.2 W/ft	90 lm/W
	Symmetric Narrow	1060 lm/ft	9.7 W/ft	109 lm/W
	Asymmetric	768 lm/ft	9.7 W/ft	79 lm/W
Standard	Symmetric Wide	412 lm/ft	5 W/ft	90 lm/W
	Symmetric Narrow	530 lm/ft	5 W/ft	109 lm/W
	Asymmetric	384 lm/ft	5 W/ft	79 lm/W

Custom lumen output available from 25% to 125% of high output. Please consult factory for custom lumen output and wattage.

MOUNTING OPTIONS



D4	2'0"	LS	30	U
SERIES	LENGTH OF PATTERN TYPE	INTERSECTION TYPE	OUTPUT	LED CCT	LED CRI	VOLTAGE
D4	Nominal Length* / Exact Length**	IT "T" Intersection / IX "X" Intersection / IY "Y" Intersection	LS Standard Output / LH High Output / LW Very High Output* / C_ Custom Output**	27 2700K / 30 3000K / 40 4000K / WW Tunable White* / DW Dim-to-warm*	80 80+ CRI / CRI 90 90+ CRI	U 120V - 277V / H 347V

*Specify C field for the nearest foot (i.e. 12). **Specify 6 inches to 1 foot (i.e. 6'-6"=C78). Fixtures are limited to 16 feet (192 inches) in length. ***Contact factory ahead.

*Available on "S" luminaires w/o distribution suffix. Not available with 90 CRI. Not available in wet location. Higher wattage.

*Tunable white CCT range is 2700K-5000K. Color and wattage based on selected scene.

N	D	R	O	D
INDIRECT DISTRIBUTION	INDIRECT OPTICS	MOUNTING	FINISH	DIMMING	EMERGENCY
M Symmetric Wide* / G Symmetric Narrow / N Asymmetric	D Rigid Diffuse Dust Cover	R Direct Wall Mount / M Multiple Blocks* / H_ Horizontal Setoff Bracket** / F Bottom / Surface Mount	T Titanium / W White / B Black / C Other*	0 Standard 0-10V dimming / D1 HiLume Ecosystems (1% & DE1) / D2 Phase dimming** / D4 DALI dim-to-off (EldoLED) / NAIR nLight IR/AIR (dim-to-off) / NWIR nLight IR/Wnd (dim-to-off) / DO Dimming - Other	EC Emergency - circuited / E_ Emergency - battery*

*Not recommended for wall mount

*Specify RAL#

*To Qualify for Buy American, select Dimming Ecosystem.
**Reference DOT-PAB sheet for compatible drivers.

SENSORS	OPTIONS	Q
OF Occupancy Sensor - Fixture / PF Photocell / Daylight Sensor - Fixture / OPF Occupancy & daylight Sensor - Fixture	M Multi-Circuit* / R Right Endcap Feed / L Left Endcap Feed	N Natatorium Application** / W Wet Location / WHG WHG

*Typical dual circuiting requirements.
**Natatorium Application: Stainless Steel Internal, Door guide and control (hinge) Hood. Special hardware to prevent fixture sway.
Sensor will be enclosed for dimming input.

Fixture will be enclosed for dimming input. Not available with wall mount. Not available in field conversion. Mounted applications (direct to any) not recommended; not suitable for extreme weather applications. Refer to the Luminaire Location Guidelines for more information.

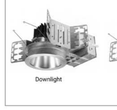
a·light

3728 MARITIME WAY | OCEANSIDE, CA 92056 | 760.727.7675
ALIGHTS.COM | REV 2.2 01-2023

DLC | DLC Premium | UL Listed | Damp Location | Wet Location | 5Y

TYPE C1

Project	UNIVERSITY ROW	Catalog #		Type	C1
Prepared by	TG	Notes		Date	



Portfolio

LD4C | EU4C | 4LB

4" Round, New Construction Downlight
Narrow, Medium, Wide Beam or Wall Wash
98CRI, Tunable white and dim to warm
250-6000 Lumens

Typical Applications
Office • Education • Healthcare • Hospitality • Retail • Code Compliance Areas • Sports Venues

Interactive Menu
- Order Information page 2
- Product Specifications page 4
- Dimensional & Mounting Details page 5
- Energy Data page 6
- Connected System page 10
- Product Warranty

Product Certification

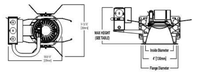
Product Features

Control Compatibility

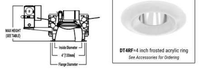
Top Product Features
- 250-6000 lumens
- Easy disconnect for LED engine replacement and installation
- Optional snap in driver for ease of replacement
- Standard 0-10V driver dims to 1%
- 98 CRI, 2700K, 3000K, 3500K, 4000K, 5000K; D2W™ option from 3000K to 1850K
- W2N tunable white CCT range 2700K to 6500K or 2000K to 5000K
- Options to meet Buy American and other domestic preference requirements

Dimensional and Mounting Details

DOWNLIGHT



WALL WASH



BT4RF 4 inch frosted acrylic ring
See Accessories for Ordering

CLICK HERE: dimension information

TYPE C1

Portfolio

LD4C | EU4C | 4LB

Product Specifications

Lower Shielding Reflector
- Painted die-cast aluminum or spun aluminum lower reflector with lensed upper optical chamber provides superior lumen output with minimal source brightness
- Spun reflectors are available in all Portfolio anodized finishes
- Available with non-conductive polymer reflector up to 2000 lumens
- Plaster lathing ring, knife edge and millwork ring accessory for flush reflector transition
- Decorative frosted acrylic ring provides a light glow in the ceiling

Wall Wash Reflector
- **Open Wall Wash** - wall wash reflector with gradient kicker offered in single, double and corner wall wash provides even vertical illumination with minimal source brightness.
- **Rotatable Lensed Wall Wash** - Rotatable Lensed wall wash reflector offered in single and double wall wash provides even vertical illumination with minimal source brightness.

Trim Retention
- Two torsion springs hold reflector flange tightly to the finished ceiling surface

Plaster Frame/Collar
- Die-cast aluminum 1 ¼" deep collar
- Accommodates up to 2" ceiling thickness

Universal Mounting Bracket
- Accepts 1/2" Electric Metallic Tube (EMT), C-channel and bar hangers
- Adjusts 5° vertically from above and below the ceiling

Junction box
- Four 1/2" and two 3/4" trade size pry outs positioned to allow straight conduit runs
- Lever connectors for simple push in wiring
- Listed for eight #12 AWG (four in, four out) 90°C conductors and feed thru branch wiring

Thermal
- Aluminum heat sink conducts heat away from the LED module for improved performance and longer life

LED System
- Contains a plurality of high brightness white LED's combined with a high-reflectance upper reflector and convex translational lens producing even distribution without pixelation
- Auto resetting, thermally protected, LED's are turned off when safe operating temperatures are exceeded
- Quick disconnect allows for tool-less replacement of LED engine from housing

Color Consistency
- 98 CRI and W2N: L70 55,000 hours
- Color variation within 2-step MacAdam ellipses
- Available in 2400K, 2700K, 3000K, 3500K, 4000K and 5000K correlated color temperature (CCT)
- D2W™ – dim-to-warm shifts CCT from 3000K to 1850K as fixture dims mimicking halogen sources.
- W2N - Tunable white CCT range 2700K to 6500K or 2000K to 5000K, 90 CRI. Standard
- **98 CRI** With a full-spectrum approach using broad blue chip technology and special phosphor blends, Thrive is able to closely match the spectrum of the sun across the entire visible range, as well as the characteristics of the sun using Thrive to create superior accurate color rendering, reduced eye strain, and a higher sense of emotional well-being.

Driver
- Standard 120-277V, 0-10V dimming driver provides flicker free dimming from 100% to 1%
- Optional 120V leading edge/0-10V, <1% 0-10V, Fifth Light, DMX, or Lutron® Ecosystem
- Driver can be serviced from above or through the ceiling
- Distributed low voltage power system combines power, lighting, and controls with ease of installation
- Optional Magnetically guided snap in driver for ease of maintenance.

Emergency Option
- Provides 90 minutes of standby lighting, meeting most life safety codes for egress lighting.
- Available with integral or remote charge indicator and test switch
- Available Self-Test with remote charge indicator and test switch
- Emergency transfer device (ETRD) senses the loss of power regardless of local control settings allowing emergency power to the fixture.
- UL 924 listed

Connected Lighting System
Two WaveLinx connected solutions to choose from. Refer to WaveLinx system specifications and application guides for details.

WaveLinx PRO Tilemount Sensor Kit
- WaveLinx WPST tilemount sensor kit offers daylight dimming, PIR motion sensing, scene and zone configuration, automatic commissioning, and optional RLTS - Real Time Location Services available.

WaveLinx PRO Wireless Node
- WaveLinx PRO wireless node provides luminaire-level control with scene and zone configuration without an integrated sensor. Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired.

WaveLinx LITE Tilemount Sensor Kit
- WaveLinx LITE WLT tilemount sensor kit offers daylight dimming and PIR motion sensing, scene and grouping configuration.

WaveLinx Tilemount Kits Application
- The WPST and WLST tilemount kits include a control module mounted on the luminaire junction box via 1/2" knock-out, and a tilemount sensor on 54-inch whip; for ceiling installation by direct-mount spring clips or via mounting bracket in octagon ceiling boxes.
- The WPST and WLST tilemount kits may be ordered as factory installed on the luminaire, or ordered separately as a field installed accessory kit.

Code Compliance
- Thermally protected
- cULus Certified to UL 1598 / C22.2 No. 250.0 suitable for wet locations with downlight; damp location with wall wash and hyperbolic with covered ceiling
- IP66-rated when used with IP66 gasket kit accessory
- Optional City of Chicago environmental air (CCEA) marking for plenum applications
- FCC CFR Title 47 Part 15 Class B at 120VAC and Class A at 277vAC
- Luminaire rated for IC3 rated up to 800 lumens (NN CRI & E(3)K): 1000 lumens (WZN). All others are non-IC rated (insulation must be kept 3" from top and sides of housing).
- Can be used for State of California Title 24 high efficacy LED compliance under JA8, reference Modernized Appliance Efficiency Database System (MAEDBS) for 2016 JA8 High Efficacy Lighting
- RoHS compliant
- Photometric testing completed in accordance with IES LM-79-08
- LED life testing completed in accordance with IES LM-80-08 and TM-21-11 standards
- See table on page 3 for marked spacing requirements

Warranty
- Five year warranty www.cooperlighting.com/legal

Marked Spacing

4 inch Marked spacing for 98 CRI			
3000-6000	36	36	8

4 inch Marked spacing for D2W			
3000-4500	36	36	8

4 inch Marked spacing for W2N			
3000	36	36	0.5
3500	36	36	8

TYPE W1
page 2

TLM TALON MEDIUM LED

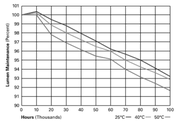
POWER AND LUMENS BY BAR COUNT (21 LED LIGHTBARS)

Number of LightBARs		E01	E02	E03	E04	E05	E06
Drive Current		350mA Drive Current					
Power (Watts)		25W	52W	75W	97W	127W	149W
Current @ 120V (A)		0.22	0.44	0.63	0.82	1.07	1.26
Current @ 277V (A)		0.10	0.20	0.28	0.36	0.48	0.56
Power (Watts)		31W	58W	82W	99W	132W	159W
Current @ 347V (A)		0.11	0.19	0.28	0.29	0.39	0.48
Current @ 480V (A)		0.09	0.15	0.20	0.21	0.30	0.36
T2	Lumens	3,064	6,128	9,192	12,255	15,319	18,383
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3
T3	Lumens	3,084	6,168	9,252	12,336	15,420	18,504
	BUG Rating	B1-U0-G1	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3
T4	Lumens	3,092	6,044	9,066	12,088	15,110	18,132
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3
SMQ	Lumens	3,224	6,448	9,672	12,896	16,120	19,344
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
SWQ	Lumens	3,184	6,368	9,551	12,735	15,919	19,103
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3
SXQ	Lumens	3,191	6,381	9,542	12,722	15,903	19,083
	BUG Rating	B2-U0-G2	B3-U0-G2	B3-U0-G3	B4-U0-G3	B4-U0-G4	B4-U0-G4
SL2	Lumens	3,055	6,110	9,165	12,220	15,275	18,331
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3
SL3	Lumens	3,036	6,072	9,108	12,145	15,181	18,217
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3
SL4	Lumens	2,954	5,908	8,862	11,816	14,771	17,725
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3
RW	Lumens	3,124	6,248	9,372	12,496	15,620	18,744
	BUG Rating	B2-U0-G2	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4
SLL/SLR	Lumens	2,782	5,565	8,347	11,130	13,912	16,695
	BUG Rating	B1-U0-G1	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G4

LUMEN MAINTENANCE

Ambient Temperature	25,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours	Theoretical L70 (Hours)
25 C	> 99%	> 97%	> 96%	> 93%	> 450,000
40 C	> 98%	> 97%	> 96%	> 92%	> 425,000
50 C	> 97%	> 96%	> 95%	> 91%	> 400,000

* For IESNA TM-21 data.



LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
10 C	1.02
15 C	1.01
25 C	1.00
40 C	0.99
50 C	0.96

TYPE W3

LED wall luminaire - light output on one side

BEGA

Application
This LED wall luminaire has light output in one direction. It is ideal for upward or downward lighting effects for interior and exterior locations. Arranged individually or in groups, this is a great design element for a host of lighting applications.

Materials
Luminaire housing constructed of die-cast marine grade, copper free (≤0.3% copper content) A360.0 aluminum alloy
Low gloss quality grade
Silicone applied robotically to casting, plasma treated for increased adhesion
High temperature silicone gasket
Mechanically captive stainless steel fasteners

NRTL listed to North American Standards, suitable for wet locations
Protection class IP64
Weight: 3.1 lbs

Electrical

Operating voltage	120-277VAC
Minimum start temperature	-30° C
LED module wattage	5.8W
System wattage	8W
Controllability	0-10V dimmable
Color rendering index	Ra > 90
Luminaire lumens	396 lumens (3000K)
Lifetime at Ta = 15° C	50,000 hr/L70

LED color temperature
☐ 4000K - Product number + **K4**
☐ 3500K - Product number + **K35**
☐ 3000K - Product number + **K3**
☐ 2700K - Product number + **K27**

BEGA wish supply you with turnkey LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish
All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.
Available colors: ☐ Black (BLK) ☐ White (WHT) ☐ RAL ☐ Bronze (BRZ) ☐ Silver (SLV) ☐ Match

Type: W3
BEGA Product: 33329+K3
Project: UNIVERSITY ROW
Modified:





LED wall luminaire - light output on one side						
	LED		A	B	C	Required setting 5/4
33329	5.8W	111 lm/ft	2 1/4	4 1/2		19537

BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com

Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to bega-us.com
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TYPE C1

Portfolio

LD4C | EU4C | 4LB

Single Line Order Information

Trim Distribution *1	Trim Flange	Trim Finish	Options (Trim)
N-Narrow, Spun Aluminum *2,3,4,5 M-Medium, Spun Aluminum *2,3,4,5 W-Wide, Spun Aluminum PB-Non-Conductive Shallow, Injection Molded white *2,3,5,6 CS-Cast Shallow, Die Cast Aluminum CD-Cast Aluminum Baffle *5 **Wall Wash** SWA-Single Wall Wash, Spun Aluminum DWA-Double Wall Wash, Spun Aluminum CW-Corner Wall Wash, Spun Aluminum LSWA-Lensed Single wall wash, Spun Aluminum LDWA-Lensed Double wall wash, Spun Aluminum	S-Slim Flange (Standard) F-Flat Flange Flange edge mirrors use with die cast only *2,3,5	L-Lensed, Clear* *Lensed Options Only WH-White Haze * BL-Opal Black * B-Specular Black * MW-Matte White (Antimicrobial) MB-Matte Black * MBR-Matte Metallic Silver *	**Specialty Options (Trim)** EMB20-Bodine* Emergency Module with Remote Test Switch *6 EMB0945T-Bodine* 0.5W Self Test Emergency Module with Remote Test Switch EM7-7W Emergency Module with Remote Test Switch EM7R-14W Emergency Module with Remote Test Switch EMB20-Bodine* Emergency Module with Remote Test Switch *6 EMB20D-Bodine* Emergency Module with Integral Test Switch *6,7,8 EM7-7W Emergency Module with Integral Test Switch *7 EM7R-14W Emergency Module with Integral Test Switch *7 EM7I-7W Low Voltage Emergency Module with Remote Test Switch *6 EM7I14-14W Low Voltage Emergency Module with Remote Test Switch *6 ETRD-Emergency transfer device *7 WFSTI-Factory installed WaveLinx (includes control module, sensor, cable, tilemount bracket and installation guide) *9,10 WLSTI-Factory installed WaveLinx LITE Sensor Kit *9,10,11 WPN - WaveLinx PRO Wireless Node without sensor *11

Accessories (Sold separately) *12,13			
TRIMAT-White wall trim ring *14 **TRIMATB-Black wall trim ring** *14 **ST-SF** 4" Slim Trimless Flange *15	**BTW4WH**-Wireless Millwork Ring, Matte White *16 **BTW4BL**-Wireless Millwork Ring, Matte Black *16 **BXW4WH**-Knife Edge Millwork Ring, Matte White *16 **BXW4BH**-Knife Edge Millwork Ring, Matte Black *16	**Connected Lighting Systems** *9,10 **WLSI**-Field installed WaveLinx LITE sensor Kit *11 **WLSF**-Field installed WaveLinx LITE Sensor Kit *11	**Bar Hangers** **BH12**-Universal Bar Hanger, 12" Long, Pair **BH22**-Wood Joist Bar Hanger, 22" Long, Pair
PB04-Wireless Plaster Ring *16 **MU14**-Knife Edge plaster Ring *16	**HSA4**-Hinge Adapter for 4" Aperture Housings, Specify Shape *17	**Transformers** **HZ427**-HZ427 for NK2K 4000 lumens and below 2CW 4000 lumens and below; NK2K 4000 lumens and below **HZ427DM**-347 to 120V Step Down Transformer, 200VA	

Notes:
1. Narrow and Medium will vary depending on selected color, CRI, driver and reflector finish.
2. Order trim with polymer trim ring (Consult specification sheet for color availability and ordering).
3. Not available with Chicago Plenum.
4. UL or listed only.
5. Not available in nominal width 13 finish trims.
6. Available with narrow (N), medium (M) and medium #2 diagram (MD) Spun aluminum trims. Required for use with all EMB20, EM7, ETAT, ETAT-ILRAN7 and ETAT-ILRAN14 emergency options.
7. Only available with Matte White and Matte Black Finishes.
8. Available only on CS distributions.
9. Available only on N, M, W and PB distributions.
10. Product is marked sparing. Contact factory on page 2.
11. ITE available in self-forged MAV finish only.
12. Ships loose in box.
13. Flange is the same finish as the reflector
14. EMX trimless default to full on open loss of DALI signal.
15. Slim Trimless Flange provides a clean, trimless appearance, and benefits: Order either factory installed option or accessory. Use with 0-10V driver.
16. Non-IC.
17. Must use WaveLinx LITE tilemount sensor kit for daylight dimming, PIR motion sensing, use with 0-10V only. Refer to WaveLinx LITE system specifications.
18. Must use tilemounted,via wireless sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with 0-10V only.
19. Only product configurations with these designated prefixes are built to order and comply with Buy American Act of 1933 (BAA). Buy American Act of 1933 (TAA), respectively. Please refer to Cooperlighting.com/buyamerican website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. Consult factory with input aluminum is narrow (N), medium (M), and wide (W) trims.
20. Not required for HOA and OSV.
21. Only 347V to 120V step down transformer. Also provides luminaire-level control with scene and zone configuration without an integrated sensor. Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired.
22. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
23. Not available with Chicago Plenum configurations.
24. Order dia case trim with flange type A
25. Not available for W2N

Continued on next page.

TYPE C1

Portfolio

LD4C | EU4C | 4LB

Single Line Order Information

Trim Distribution *1	Trim Flange	Trim Finish	Options (Trim)
N-Narrow, Spun Aluminum *2,3,4,5 M-Medium, Spun Aluminum *2,3,4,5 W-Wide, Spun Aluminum PB-Non-Conductive Shallow, Injection Molded white *2,3,5,6 CS-Cast Shallow, Die Cast Aluminum CD-Cast Aluminum Baffle *5 **Wall Wash** SWA-Single Wall Wash, Spun Aluminum DWA-Double Wall Wash, Spun Aluminum CW-Corner Wall Wash, Spun Aluminum LSWA-Lensed Single wall wash, Spun Aluminum LDWA-Lensed Double wall wash, Spun Aluminum	S-Slim Flange (Standard) F-Flat Flange Flange edge mirrors use with die cast only *2,3,5	L-Lensed, Clear* *Lensed Options Only WH-White Haze * BL-Opal Black * B-Specular Black * MW-Matte White (Antimicrobial) MB-Matte Black * MBR-Matte Metallic Silver *	**Specialty Options (Trim)** EMB20-Bodine* Emergency Module with Remote Test Switch *6 EMB0945T-Bodine* 0.5W Self Test Emergency Module with Remote Test Switch EM7-7W Emergency Module with Remote Test Switch EM7R-14W Emergency Module with Remote Test Switch EMB20D-Bodine* Emergency Module with Integral Test Switch *6,7,8 EM7-7W Emergency Module with Integral Test Switch *7 EM7R-14W Emergency Module with Integral Test Switch *7 EM7I-7W Low Voltage Emergency Module with Remote Test Switch *6 EM7I14-14W Low Voltage Emergency Module with Remote Test Switch *6 ETRD-Emergency transfer device *7 WFSTI-Factory installed WaveLinx (includes control module, sensor, cable, tilemount bracket and installation guide) *9,10 WLSTI-Factory installed WaveLinx LITE Sensor Kit *9,10,11 WPN - WaveLinx PRO Wireless Node without sensor *11

Accessories (Sold separately) *12,13			
TRIMAT-White wall trim ring *14 **TRIMATB-Black wall trim ring** *14 **ST-SF** 4" Slim Trimless Flange *15	**BTW4WH**-Wireless Millwork Ring, Matte White *16 **BTW4BL**-Wireless Millwork Ring, Matte Black *16 **BXW4WH**-Knife Edge Millwork Ring, Matte White *16 **BXW4BH**-Knife Edge Millwork Ring, Matte Black *16	**Connected Lighting Systems** *9,10 **WLSI**-Field installed WaveLinx LITE sensor Kit *11 **WLSF**-Field installed WaveLinx LITE Sensor Kit *11	**Bar Hangers** **BH12**-Universal Bar Hanger, 12" Long, Pair **BH22**-Wood Joist Bar Hanger, 22" Long, Pair
PB04-Wireless Plaster Ring *16 **MU14**-Knife Edge plaster Ring *16	**HSA4**-Hinge Adapter for 4" Aperture Housings, Specify Shape *17	**Transformers** **HZ427**-HZ427 for NK2K 4000 lumens and below 2CW 4000 lumens and below; NK2K 4000 lumens and below **HZ427DM**-347 to 120V Step Down Transformer, 200VA	

Notes:
16. Non-IC.
17. Must use WaveLinx LITE tilemount sensor kit for daylight dimming, PIR motion sensing, use with 0-10V only. Refer to WaveLinx LITE system specifications.
18. Must use tilemounted,via wireless sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with 0-10V only.
19. Only product configurations with these designated prefixes are built to order and comply with Buy American Act of 1933 (BAA). Buy American Act of 1933 (TAA), respectively. Please refer to Cooperlighting.com/buyamerican website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. Consult factory with input aluminum is narrow (N), medium (M), and wide (W) trims.
20. Not required for HOA and OSV.
21. Only 347V to 120V step down transformer. Also provides luminaire-level control with scene and zone configuration without an integrated sensor. Connects wirelessly with daylight dimming sensor and PIR motion sensor if desired.
22. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
23. Not available with Chicago Plenum configurations.
24. Order dia case trim with flange type A
25. Not available for W2N
26. Offered up to 3500 lumens with CCRI and 3500 with W2N
27. Offered up to 4000 lumens with CCRI and 4000 with W2N
28. CCRI/CTL 2CW up to 3500 lumens with 90 CRI
CRI/CTL 2HJ up to 3500 lumens with 90 CRI
CRI/CTL 2VJ up to 3500 lumens with 90 CRI
29. Table entries IC rated with 1000 lumens
30. Order with self-flanged trim
31. Offered in 2CW / 2HJ up to 2500 lumens with 98 CRI
32. 120V-277V
33. Used to bypass load control during outage. Must be used in conjunction with a separate control device/system.
34. Not available with Lutron drivers
35. Not recommended for use with Wall Wash

Continued on next page.

TYPE W1
page 5

TLM TALON MEDIUM LED

ORDERING INFORMATION

Sample Number: TLM-E03-LED-E1-T3-BK

Product Family *1,2	Number of LightBARs *3,4	Lamp Typ	Voltage	Distribution	Color *
TLM=Talon Medium **TLX-TLM**= Talon Medium, Buy American Compliant *19	E01=(1) LED LightBAR E02=(2) LED LightBARs E03=(3) LED LightBARs E04=(4) LED LightBARs E05=(5) LED LightBARs E06=(6) LED LightBARs P01=(1) LED LightBARs P02=(2) LED LightBARs P03=(3) LED LightBARs P04=(4) LED LightBARs P05=(5) LED LightBARs P06=(6) LED LightBARs	**LED**=Solid State Light Emitting Diodes	**E1**=Electronic 120-277V* **347**=347V **480**=480V *	**T2**=Type II **T3**=Type III **T4**=Type IV **SMQ**=Type V Spill Control **SWQ**=Type V Square Wide **SLL**=Type V Spill Control Left **SLR**=Type V Spill Control Right **SXQ**=Type V Square Extra Wide **RW**=Rectangular Wide **SLL-90°** Spill Light Eliminator Left **SLR-90°** Spill Light Eliminator Right	**AP**=Grey **AJ**=Black **DA**=Dark Platinum **GM**=Graphite Metallic **WH**=White

Options (Add as Suffix)	Accessories (Order Separately) *11,20
P=Button Type Photocontrol (120, 208, 240 or 277V; Must Specify Voltage) **PE**=Button Type Photocontrol Receptacle **PER7**=NEMA 7-Pin Twistlock Photocontrol Receptacle * **PT**=