# 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 11-5-25 9:59 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): 2150 Commercial Ave

Title: Central at The Forge

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

UDC meeting date requested December 3, 2025

☑ 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** Rachel Kriech Company The Annex Group

Street address 8680 Edison Plaza Drive City/State/Zip Fishers, IN 46038

Telephone 317-775-1853 Email rkriech@theannexgrp.com

**Project contact person** Jennifer Camp Company JLA Architects

Street address 800 W. Broadway, Suite 200 City/State/Zip Monona, WI 53713

Telephone 608-241-9500 Email jcamp@jla-ap.com

**Property owner (if not applicant)** OM Land, LLC - attn: Alex Reich

Street address 172 S. Broadway City/State/Zip South Plains, NY 10605

Telephone 914-821-5173 Email alexreich@reichbrothers.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 Jessica Vaughn and Jenny Kirchgatter on 06-17-25.

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 Rachel Kriech Relationship to property Developer

Authorizing signature of property owner _____ Date 10-31-25

## 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

JLA ARCHITECTS

November 3, 2025

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

Re: Letter of Intent for UDC Submittal and CSM for review by PC and CC
Central at The Forge Affordable Housing
JLA Project #W24-0805

Dear Ms. Vaughn,

The following is submitted together with the UDC Initial/Final Application and associated plans for review by the Urban Design Commission and Certified Survey Map (CSM) for review by Plan Commission and Common Council.

**Project Organizational Structure:**

Owner: The Annex Group
8680 Edison Plaza Drive
Fishers, IN 46038
317-775-1853
Contact: Rachel Kriech
rkriech@theannexgrp.com

Architect: JLA Architects & Planners
800 W. Broadway, Suite 200
Monona, WI 53713
608-210-1232
Contact: Jennifer Camp
jcamp@jla-pa.com

**Project Overview:**

The Annex Group is proposing a multi-family/commercial mixed-use project to be located at the corner of Packers, Commercial and Oscar Avenues where the Oscar Mayer parking lot is currently located. The project as proposed would have 241 total units with approximately 6,000 sf of retail space. The intent is to promote the use of carbon free transportation (bicycles) as much as possible as well as encourage the use of public transit. In addition, we intend on offering numerous electric car charging stations within the project with the ability to expand over time as we see demand increase. The project as proposed is a five-story building wrapped around a five-story parking garage. Specific building areas and other pertinent information are provided in the attached drawings.

The project also proposes a 2 Lot Certified Survey Map (CSM) which includes the dedication of land to the public with a proposed 66' wide right of way. The proposed right of way runs east and west and bisects the existing parcel. The project proposes the redevelopment of Lot 1, as stated above, and does not propose any redevelopment of Lot 2.

**Site:**

The project is located on a three-parcel site which includes 2150 Commercial Avenue, 2231 Myrtle St, and 2235 Myrtle St. It is located in the12th Aldermanic District within the confines of the Sherman Neighborhood. The site is currently zoned RMX, resides in the City of Madison Urban Design District # 4 and within the Oscar Mayer Special Area Plan. Multi-family and retail are permitted uses within these zoning types.

**Zoning:**

The project is located in the City of Madison Urban Design District #4. Lot 1 of the proposed CSM is zoned RMX and Lot 2 is zoned IL. The site is currently an existing asphalt parking lot and proposes the demolition of the existing site improvements.

How the development will address the district criteria:

- Parking will be hidden behind the main façade of the building along Packers Ave. The one exposed elevation of the parking structure along Oscar Ave will have architectural features to add interest.
- Exterior materials will be durable, low-maintenance, and visually harmonious with other buildings in the area.
- Large facades will have breaks using different materials, balconies and recesses to create visual interest.
- All facades are of importance and will be carefully designed.
- Lighting will be part of the architectural design to illuminate building facades, pedestrian walkways and parking areas.
- Landscaping will be provided for both visual appeal and practical benefits, including view framing, visual screening along roadways and between differing land uses, and architectural enhancement.

Additional key zoning requirements:

- Electric Vehicle Charging Station Requirements - Chapter 28.141(8)e
- Bike Parking Requirements - Chapter 28.141(11)
- Bird Safety Glass Requirements - Chapter 29.129
- Signage – Chapter 31

**Neighborhood Input:**
The project is in the Sherman Neighborhood. A neighborhood meeting was held on January 16, 2025, with positive feedback.

**Preliminary Project Schedule:**

| | |
|---|---|
| June 2025: | Pre-Application UDC Meeting |
| August 2025: | UDC Informational Meeting |
| November 2025: | UDC and CSM submittals |
| December 2025: | UDC Meeting – Initial and Final Approval |
| December 2025: | Plan Commission Meeting (CSM only) |
| January 2026: | Common Council Meeting (CSM only) |
| June 2026: | Start Demo/Construction |
| June 2028: | Certificate of Occupancy |

Thank you for your time in reviewing our proposal.

Sincerely,

Jennifer Camp, AIA
jcamp@jla-ap.com
608-210-1232

Exhibit A:  Site Context

LOOKING NORTH AT THE SITE FROM THE CORNER OF OSCAR AND COMMERCIAL AVE

LOOKING SOUTH DOWN OSCAR AVE WITH THE SITE ON THE LEFT

ON PACKERS AVE LOOKING SOUTHWEST AT THE SITE AND
THE NEIGHBORING BUILDING ACROSS THE STREET

ON PACKERS AVE LOOKING NORTHWEST AT THE
NEIGHBORING BUILDING ACROSS THE STREET

LOOKING SOUTH DOWN PACKERS AVE WITH
THE SITE LOCATED ON THE RIGHT

BUILDINGS TO BE DEMOLISHED

BUILDINGS TO BE DEMOLISHED

BUILDINGS TO BE DEMOLISHED

# CENTRAL AT THE FORGE

2150 COMMERCIAL AVE
MADISON, WI  53704

## UDC SUBMITTAL

11/03/2025

JLA ARCHITECTS

JLA PROJECT NUMBER: W24-0805

11/3/2025 8:47:31 AM

## ABBREVIATIONS

**A**
A/C AIR CONDITION
A/E ARCHITECT/ENGINEER
ACT ACOUSTICAL CEILING TILE
ADDL ADDITIONAL
ADDM ADDENDUM
AFC ABOVE FINISHED COUNTER
AFF ABOVE FINISHED FLOOR
AFG ABOVE FINISHED GRADE
AFS ABOVE FINISHED SLAB
ALT ALTERNATE
ALUM ALUMINUM
APPD APPROVED
APT APARTMENT
ASC ABOVE SUSPENDED CEILING

**B**
BB BASEBOARD
BB BULLETIN BOARD
BLDG BUILDING
BL BLINDS (WINDOW)
BLT BORROWED LIGHT
BM BEAM
BPL BASE PLATE
BO BOTTOM OF
BOS BOTTOM OF STEEL
BRG BEARING

**C**
CB CATCH BASIN
CB CONSTRUCTION BULLETIN
CF/CI CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CF/OI CONTRACTOR FURNISHED OWNER INSTALLED
CF/VI CONTRACTOR FURNISHED VENDOR INSTALLED
CG CORNER GUARD
CH BD CHALKBOARD
CIP CAST IN PLACE
CJ CONTROL JOINT
CJ CONSTRUCTION JOINT
CLG CEILING
CLR CLEAR
CM CONSTRUCTION MANAGEMENT
CMU CONCRETE MASONRY UNIT
CO CLEANOUT
COL COLUMN
CONC CONCRETE
CORR CORRIDOR
CONT CONTINUOUS
CPT CARPET
CSWK CASEWORK
CT CERAMIC TILE
CTB CERAMIC TILE BASE

**D**
DEMO DEMOLITION
DEPT DEPARTMENT
DF DRINKING FOUNTAIN
DFS DOOR AND FRAME SCHEDULE
DH DOUBLE HUNG
DIA DIAMETER
DR DOOR
DR FR DOOR FRAME
DTL DETAIL
DW DISHWASHER
DWG DRAWING

**E**
E EAST
EIFS EXTERIOR INSULATION AND FINISH SYSTEM
EL ELEVATION
ELEC ELECTRIC, ELECTRICAL
ELEV ELEVATOR
EP EPOXY
EPB EPOXY BASE
EPS EXPANDED POLYSTYRENE BOARD
EQ EQUAL
EXIST EXISTING
EXP EXPAND, EXPANSION
EXT EXTERIOR

**F**
F FILLER
FA FIRE ALARM
FAB FABRIC
FAX FASCIMILE
FC FILE CABINET
FD FLOOR DRAIN
FEC FIRE EXTINGUISHER CABINET
FG FOOT GRILLE
FHC FIRE HOSE CABINET
FIN FINISHED
FLR FLOOR
FM FACTORY MUTUAL
FM FLOOR MAT
FP FIRE PROTECTION
FP FIRE PROOF
FPL FIRE PLACE
FRP FIBER REINFORCED PANEL
FT FEET
FTG FOOTING
FWP FABRIC WRAPPED PANEL

**G**
GA GAUGE
GALV GALVANIZED
GB GRAB BAR
GC GENERAL CONTRACTOR
GL GLASS
GLT GLASS TILE
G (CONTINUED)
GLU LAM GLUE LAMINATED WOOD
GR GRADE, GRADING
GRAN GRANITE
GT GROUT
GWT GLAZED WALL TILE
GYP BD GYPSUM BOARD
GWD GYPSUM WALL BOARD

**H**
HB HOSE BIB
HC HOLLOW CORE
HCP HANDICAPPED
HM HOLLOW METAL
HORIZ HORIZONTAL
HSKPG HOUSEKEEPING
HT HEIGHT
HVAC HEATING VENTILATING & AIR CONDITIONING
HW HOT WATER
HWF HARDWOOD FLOOR
HWY HIGHWAY

**I**
ID INSIDE DIAMETER
INSUL INSULATION
INT INTERIOR

**J**
JS JANITOR SINK

**K**

**L**
LAM LAMINATE
LAV LAVATORY
LL LIVE LOAD

**M**
MAX MAXIMUM
MC MODULAR CARPET TILE
MECH MECHANICAL
MFR MANUFACTURER
MIN MINIMUM
MIN MINUTE
MISC MISCELLANEOUS
MO MASONRY OPENING
MS MOP SINK
MRB MARBLE BASE
MRF MARBLE FLOOR
MTL METAL

**N**
N NORTH
NA NOT APPLICABLE
NIC NOT IN CONTRACT
NO NUMBER
NOM NOMINAL
NS NO SCALE
NTS NOT TO SCALE

**O**
OC ON CENTER
OD OUTSIDE DIAMETER
OF/CI OWNER FURNISHED CONTRACTOR INSTALLED
OF/OI OWNER FURNISHED OWNER INSTALLED
OF/VI OWNER FURNISHED VENDOR INSTALLED
OH DR OVERHEAD DOOR
OPH OPPOSITE HAND
OPNG OPENING

**P**
PLAM PLASTIC LAMINATE
PLYWD PLYWOOD
PREFAB PREFABRICATED
PREFIN PREFINISHED
PSI POUNDS PER SQUARE INCH
PT PAINT, PAINTED
PTN PARTITION

**Q**
QT QUARRY TILE
QTB QUARRY TILE BASE

**R**
RB RESILIENT BASE
RCP REFLECTED CEILING PLAN
RD ROOF DRAIN
REBAR REINFORCING STEEL BARS
RF RESILIENT FLOORING
RFS ROOM FINISH SCHEDULE
RO ROUGH OPENING

**S**
S SOUTH
SAN SANITARY
SC SEALED CONCRETE
SC SOLID CORE
SF SQUARE FOOT SQUARE FEET
SH SHADES
SPECS SPECIFICATIONS
SIM SIMILAR
SS STAINLESS STEEL
SST SOLID SURFACE
ST STAIN
ST STAIR
STN STONE
S (CONTINUED)
STNB STONE BASE
STRUCT STRUCTURE, STRUCTURAL
SV SHEET VINYL

**T**
T&M TIME AND MATERIALS
TEMP TEMPERATURE
TEMP TEMPORARY
TER TERAZZO
TERB TERAZZO BASE
TFF TOP OF FINISH FLOOR
TK BD TACKBOARD
TO TOP OF
TOB TOP OF BEAM
TOC TOP OF CONCRETE
TOJ TOP OF JOIST
TOPO TOPOGRAPHY
TOS TOP OF SLAB
TOS TOP OF STEEL
TV TELEVISION
TYP TYPICAL

**U**
UNO UNLESS NOTED OTHERWISE
UON UNLESS OTHERWISE NOTED

**V**
VCT VINYL COMPOSITE TILE
VF/CI VENDOR FURNISHED CONTRACTOR INSTALLED
VF/OI VENDOR FURNISHED OWNER INSTALLED
VF/VI VENDOR FURNISHED VENDOR INSTALLED
VNR VENEER
VIF VERIFY IN FIELD
VWC VINYL WALL COVERING

**W**
W WEST
W/ WITH
W/O WITHOUT
WC WATER CLOSET
WC WALL COVERING
WDB WOOD BASE
WDV WOOD VENEER
WH WATER HEATER
WP WALL PROTECTION
WP WORKPOINT

**X**
XPS EXTRUDED POLYSTYRENE BOARD INSULATION

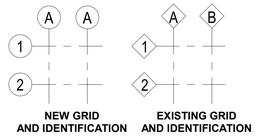
**Y Z**

## SYMBOL LEGEND

VIEW NUMBER / TITLE / VIEW NAME / 1/2" = 1' - 0" VIEW SCALE
DETAIL CALLOUT (00 / A000 / SIM)
SECTION CALLOUT (00 / A000 / SIM)
ELEVATION CALLOUT (2 / 1 / A000 / 3 / 4)
ELEVATION DATUM (Level 0' - 0")
NORTH ARROW

WALL TAG (XX)
DOOR TAG (000)
KEYNOTE TAG (000.000)
REVISION TAG (0)
FURNITURE TAG (000)
EQUIPMENT TAG (000)
WINDOW TAG (XX)

CASEWORK TAG (PLAN OR ELEVATION) (000 / W"x H" x D")
FINISH PLAN TAG (FLOOR / BASE / WALL / REMARKS)
CEILING TAG (TYPE / HEIGHT)
ROOM TAG (NAME / 0000)



NEW GRID AND IDENTIFICATION
EXISTING GRID AND IDENTIFICATION

## VICINITY MAP

Myrtle St
Coolidge St
Dahle St
Maitland Pl
Commercial Ave
Constitution Ave
Wisconsin River Trail
Riverside Park
Riverside Park Archaeological Preserve
Veterans Memorial Park
Veterans Memorial Park Dog Park
The Bridges
Riverside Park Archaeological Preserve Interpretive Area
Riverside Park Archaeological Preserve Interpretive Area
Riverside Park Archaeological Preserve Interpretive Area

JLA
ARCHITECTS
MADISON | MILWAUKEE | DENVER
JLA-AP.COM

JLA PROJECT NUMBER: W24-0805

# CENTRAL AT THE FORGE

UDC SUBMITTAL

**PROGRESS DOCUMENTS**

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

DATE OF ISSUANCE 11/03/2025

REVISION SCHEDULE

| Mark | Description | Date |
|---|---|---|

SHEET TITLE

ARCHITECTURAL SITE PLAN

SHEET NUMBER

ASP-100

10/31/2025 10:29:17 AM

© Vierbicher Associates, Inc.

NOTES:

1. All underground utilities have been located per markings placed on the ground or maps provided by the utilities (owners) and/or their authorized representatives. Markings are per Digger's Hotline tickets numbers 20250103444, 20250103446, and 20250505028582. No private locate request was made. Vierbicher does not warrant the locations marked or mapped by others.
2. Sewer and water structures were surveyed, unless otherwise noted. Sewer pipes are shown per the City of Madison utilities website.
3. No attempt has been made as a part of this survey to obtain or show data concerning condition, or capacity of any utility or municipal/public service facility. For information regarding these utilities contact the appropriate agencies.
4. Surveyor has made not investigation or independent search for easement of record, encumbrances, restrictive covenants, or ownership title evidence.

GRAPHIC SCALE, FEET
0 20 40 80

**TOPOGRAPHIC SYMBOL LEGEND**

- EXISTING BOLLARD
- EXISTING SIGN
- EXISTING CURB INLET
- EXISTING FIELD INLET RECTANGULAR
- EXISTING FIELD INLET
- EXISTING STORM MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING FIRE DEPARTMENT CONNECTION
- EXISTING WATER MAIN VALVE
- EXISTING CURB STOP
- EXISTING GAS VALVE
- EXISTING GAS METER
- EXISTING DOWN GUY
- EXISTING ELECTRIC MANHOLE
- EXISTING ELECTRIC RECTANGULAR MANHOLE
- EXISTING ELECTRIC PEDESTAL
- EXISTING TRANSFORMER
- EXISTING GUY POLE
- EXISTING LIGHT POLE
- EXISTING GENERIC LIGHT
- EXISTING UTILITY POLE
- EXISTING TELEPHONE MANHOLE
- EXISTING UNIDENTIFIED MANHOLE
- EXISTING HANDICAP PARKING
- EXISTING TRAFFIC SIGNAL
- EXISTING DECIDUOUS TREE
- EXISTING ADA DETECTABLE WARNING FIELD
- (10) NUMBER OF PARKING STALLS

**TOPOGRAPHIC LINEWORK LEGEND**

- EXISTING FIBER OPTIC LINE
- EXISTING UNDERGROUND TELEPHONE
- EXISTING CHAIN LINK FENCE
- EXISTING WOOD FENCE
- EXISTING GAS LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING GUY LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING OVERHEAD GENERAL UTILITIES
- EXISTING SANITARY SEWER LINE (SIZE NOTED)
- EXISTING STORM SEWER LINE (SIZE NOTED)
- EXISTING WATER MAIN (SIZE NOTED)
- 820 EXISTING MAJOR CONTOUR
- 818 EXISTING MINOR CONTOUR
- EXISTING EDGE OF PAVEMENT
- EXISTING EDGE OF GRAVEL
- EXISTING CONCRETE SURFACE
- EXISTING ASPHALT SURFACE
- NO ACCESS

**SURVEY LEGEND**

- PUBLIC LAND CORNER AS NOTED
- FOUND 1" ø IRON PIPE
- FOUND 3/4" ø IRON ROD
- FOUND CHISELED "X"
- FOUND P.K. NAIL
- SET 3/4" X 18" SOLID IRON RE-ROD, MIN. WT. 1.50 LBS./F.T.
- SET CHISELED "X"
- SET P.K. NAIL
- ( ) RECORDED AS INFORMATION

OSCAR AVENUE

PACKERS AVENUE

COMMERCIAL AVENUE

N89°17'17"W 12.23'

N89°40'14"W 16.00'

N00°19'46"E 232.90'

N89°45'05"W 92.79'

N89°45'05"W 67.99'

L=520.39', R=1382.39'
=021°34'07"
Cd=S11°06'48"W 517.32'

N00°19'45"E 1082.79'

N00°19'46"E 2673.15' (MON TO MON)

N00°19'45"E 904.60'

S00°19'46"W 110.50'
(S00°03'W)

S89°34'22"E 132.06'
(EAST)

S89°34'22"E 60.96'

S00°19'46"W 518.47'

EX SMH RIM=852.25 IE=844.74 N&S

EX SMH RIM=853.61 IE=844.79 N&S

EX SMH RIM=854.22 IE=845.52 N&S

EX SMH RIM=855.63 IE=845.81 N&S IE=846.68 NW

EX SMH RIM=856.14 IE=846.37 N IE=846.49 E IE=846.26 S IE=846.77 NW

EX SMH RIM=854.49 IE=846.34 NW&SE

EX SMH RIM=856.56 IE=846.11 N&S IE=846.46 SE

EX SMH RIM=851.26 IE=844.74 N

EX SMH RIM=856.16 IE=846.76 NW&SE

EX SMH RIM=857.17 IE=847.42 E IE=847.42 W

EX SMH RIM=855.68 IE=847.03 SE&NW

EX SMH RIM=854.33 IE=847.00 SE&NW

EX SMH RIM=856.53 IE=847.63 E IE=847.81 W

EX SMH RIM=855.97 IE=847.37 E IE=847.29 W

EX SMH RIM=853.12 IE=846.52 N IE=846.67 E IE=846.52 S IE=846.57 W

BENCHMARK NAIL ELEVATION=853.65

BENCHMARK #1 ROD ELEVATION=853.61

BENCHMARK #2 ROD ELEVATION=857.07

BENCHMARK #3 NAIL ELEVATION=853.36

PUBLIC UTILITY EASEMENT DOC NO 2107956

VACATED PACKERS AVENUE & PUBLIC UTILITY EASEMENT DOC NO 1191912

VACATED MAYER/PACKERS AVENUE & PUBLIC UTILITY EASEMENT DOC NO 1191911

VACATED COOLIDGE STREET DOC NO 1343896

20' WIDE PUBLIC UTILITY EASEMENT DOC NO 1343896

HATCHING DENOTES NO ACCESS DOC NO 1377037 (SOUTH RIGHT-OF-WAY OF VACATED MAYER AVE TO SE OF COMMERCIAL AVE)

HATCHING DENOTES NO ACCESS DOC NO 1191911 (VACATED MAYER AVE)

HATCHING DENOTES NO ACCESS DOC NO 1173076 (LOT 17)

HATCHING DENOTES NO ACCESS DOC NO 1173079 (LOT 1)

HATCHING DENOTES NO ACCESS DOC NO 1343896 (VACATED COOLIDGE ST)

HATCHING DENOTES NO ACCESS DOC NO 1147478 (LOT 17)

CROSSWALK

ACCESS TO PARCEL SURVEYED

STRM PIPE 36"RCP

BUILDING

GARAGE

WIDTH VARIES

66'

50'

33'

LOT 13 MADISON SQUARE RILEY PLAT BLOCK 348

LOT 14

LOT 17

LOT 18 MADISON SQUARE RILEY PLAT BLOCK 347

MADISON SQUARE RILEY PLAT BLOCK 350

VACATED N. EIGHT STREET

VACATED LIVONIA STREET

OM LAND LLC

910 MAYER LLC

LOT 3 CERTIFIED SURVEY MAP NO. 15507

LOT 4 CERTIFIED SURVEY MAP NO. 15507

LOT 2 CERTIFIED SURVEY MAP NO. 15507

LOT 3 CERTIFIED SURVEY MAP NO. 6197

LOT 1

LOT 2 SIMMONS & SIMMONS LLC

LOT 3

LOT 4

LOT 7 WOODLAND BLOCK 1

LOT 8 WOODLAND BLOCK 2

WOODLAND BLOCK 1

WOODLAND BLOCK 2

WOODLAND BLOCK 3

LOT 19

LOT 20

(EAST) LOT 20

LOT 18

LOT 17

27.00'

112.37'

110.50'

44.43'

43.90'

132'

NOT FOR CONSTRUCTION

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Existing Conditions
The Central at The Forge
City of Madison
Dane County, Wisconsin

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PROJECT NO. 240832

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GENERAL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED DURING CONSTRUCTION TO PUBLIC PROPERTY, PRIVATE PROPERTY OR UTILITIES.
2. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW BY THE ENGINEER, PRIOR TO PLACING AN ORDER OF ANY SUCH ITEM.
3. EXISTING TOPOGRAPHIC INFORMATION IS BASED ON FIELD OBSERVATIONS AND/OR PLAN OF RECORD DRAWINGS. CONTRACTOR SHALL VERIFY TOPOGRAPHIC INFORMATION PRIOR TO STARTING CONSTRUCTION.
4. RIGHT OF WAY (ROW) AND PROPERTY LINES ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING PROPERTY CORNER MONUMENTATION. ANY MONUMENTS DISTURBED BY CONTRACTOR SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
5. CONTRACTOR SHALL COORDINATE WITH DRY UTILITY COMPANY'S REGARDING ANY POTENTIAL CONFLICTS AND COORDINATE RELOCATIONS AS MAY BE REQUIRED. CONTRACTOR SHALL ALSO COORDINATE THE PROPOSED INSTALLATION OF NEW FACILITIES AS REQUIRED.

RIGHT-OF-WAY NOTES:

1. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY AND ALL PUBLIC IMPROVEMENTS NECESSARY TO SERVE THE PROJECT ARE TO BE COMPLETED PER THE CITY/DEVELOPER AGREEMENT AND THE CITY ISSUED PLANS, CONTRACT NO. ____, PROJECT #_____.
2. 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 DEPTS.

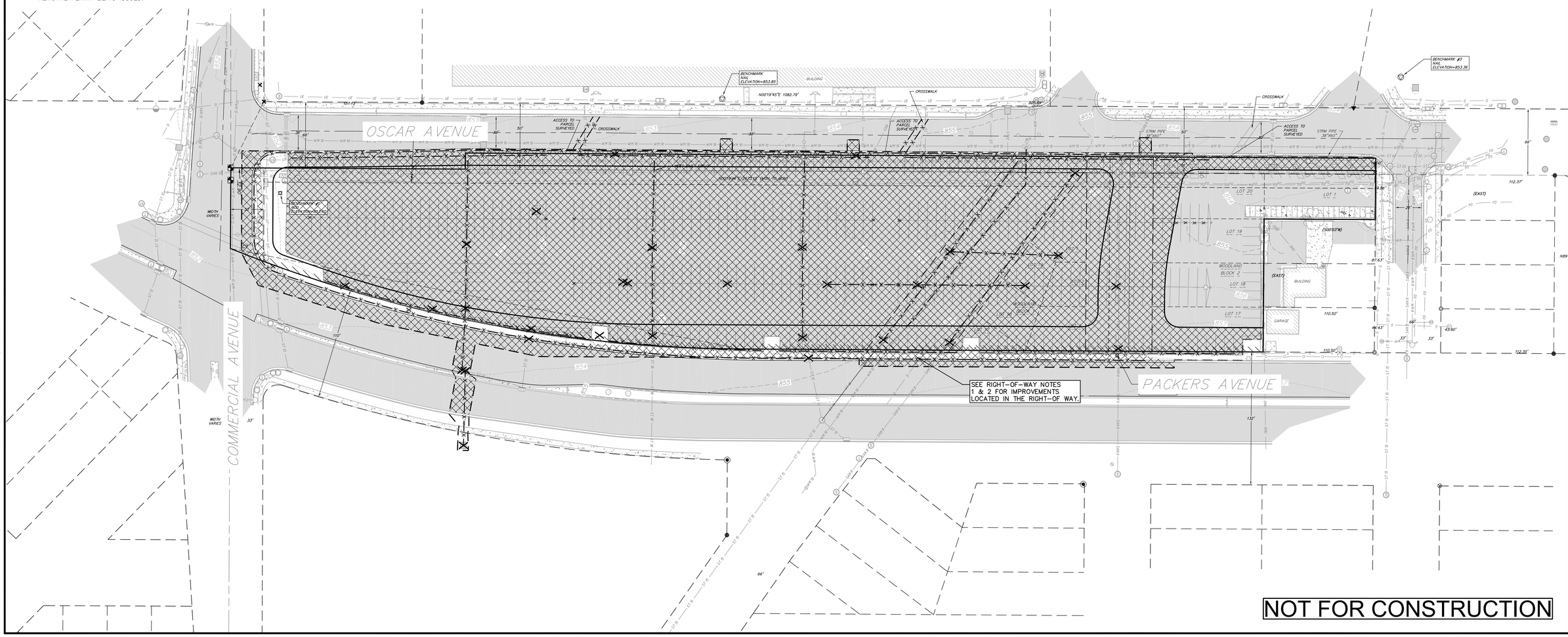
DEMOLITION NOTES:

1. CONTRACTOR SHALL KEEP ALL CITY STREETS FREE AND CLEAR OF CONSTRUCTION RELATED DIRT/DUST/DEBRIS.
2. COORDINATE EXISTING UTILITY REMOVAL/ABANDONMENT WITH LOCAL AUTHORITIES AND UTILITY COMPANIES HAVING JURISDICTION.
3. ALL SAWCUTTING SHALL BE FULL DEPTH TO PROVIDE A CLEAN EDGE TO MATCH NEW CONSTRUCTION. MATCH EXISTING ELEVATIONS AT POINTS OF CONNECTION FOR NEW AND EXISTING PAVEMENT, CURB, SIDEWALKS, ETC. ALL SAWCUT LOCATIONS SHOWN ARE APPROXIMATE AND MAY BE FIELD ADJUSTED TO ACCOMMODATE CONDITIONS, JOINTS, MATERIAL TYPE, ETC. REMOVE MINIMUM AMOUNT NECESSARY FOR INSTALLATION OF PROPOSED IMPROVEMENTS.
4. CONTRACTOR SHALL PROVIDE AND SHALL BE RESPONSIBLE FOR ANY NECESSARY TRAFFIC CONTROL SIGNAGE AND SAFETY MEASURES DURING DEMOLITION AND CONSTRUCTION OPERATIONS WITHIN OR NEAR THE PUBLIC ROADWAY.
5. COORDINATE TREE REMOVAL WITH LANDSCAPE ARCHITECT. ALL TREES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY AND STUMPS SHALL BE GROUND TO 12" BELOW PROPOSED SUBGRADE.
6. IF APPLICABLE, PROVIDE TREE PROTECTION FENCING PRIOR TO CONSTRUCTION OPERATIONS. MAINTAIN THROUGHOUT CONSTRUCTION.
7. ALL LIGHT POLES TO BE REMOVED FROM PRIVATE PROPERTY SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING BASE AND ALL APPURTENANCES. COORDINATE ABANDONMENT OF ELECTRICAL LINES WITH ELECTRICAL ENGINEER AND OWNER PRIOR TO DEMOLITION.
8. CONTRACTOR SHALL CLOSE ALL ABANDONED DRIVEWAYS BY REPLACING THE CURB IN FRONT OF THE DRIVEWAYS AND RESTORING THE TERRACE WITH GRASS.
9. CONTRACTOR SHALL OBTAIN ANY NECESSARY DEMOLITION AND UTILITY PLUGGING PERMITS.
10. ANY DAMAGE TO THE CITY PAVEMENT, INCLUDING DAMAGE RESULTING FROM CURB REPLACEMENT, WILL REQUIRE RESTORATION IN ACCORDANCE WITH THE CITY ENGINEERING PATCHING CRITERIA.

CITY FORESTRY NOTES:

1. ALL PROPOSED STREET TREE REMOVALS SHALL BE REVIEWED BY CITY FORESTRY BEFORE THE PLAN COMMISSION MEETING. STREET TREE REMOVALS REQUIRE APPROVAL AND A TREE REMOVAL PERMIT ISSUED BY CITY FORESTRY. 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 A 72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ALDERPERSON WITHIN WHO'S DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED.
2. AS DEFINED BY THE SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: NO EXCAVATION IS 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 (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

   CONTRACTOR SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO NOT DISFIGURE, SCAR, OR IMPAIR THE HEALTH OF ANY STREET TREE. CONTRACTOR SHALL OPERATE EQUIPMENT IN A MANNER AS TO NOT DAMAGE THE BRANCHES OF THE STREET TREE(S). THIS MAY REQUIRE USING SMALLER EQUIPMENT AND LOADING AND UNLOADING MATERIALS 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 266-4816. PENALTIES AND REMEDIATION SHALL BE REQUIRED.
4. SECTION 107.13(G) OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 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.
5. ON THIS PROJECT, STREET TREE PROTECTION ZONE FENCING IS REQUIRED. THE FENCING SHALL BE ERECTED BEFORE THE DEMOLITION, GRADING OR CONSTRUCTION BEGINS. THE FENCE SHALL INCLUDE THE ENTIRE WIDTH OF TERRACE AND, EXTEND AT LEAST 5 FEET ON BOTH SIDES OF THE OUTSIDE EDGE OF THE TREE TRUNK. DO NOT REMOVE THE FENCING TO ALLOW FOR DELIVERIES OR EQUIPMENT ACCESS THROUGH THE TREE PROTECTION ZONE.
6. STREET TREE PRUNING SHALL BE COORDINATED WITH MADISON FORESTRY AT A MINIMUM OF TWO WEEKS PRIOR TO THE START OF CONSTRUCTION FOR THIS PROJECT. ALL PRUNING SHALL FOLLOW THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300 – PART 1 STANDARDS FOR PRUNING




GRAPHIC SCALE, FEET
0 20 40 80

DEMOLITION PLAN LEGEND

- CURB AND GUTTER REMOVAL
- ASPHALT REMOVAL
- CONCRETE REMOVAL
- BUILDING REMOVAL
- TREE REMOVAL
- SAWCUT
- UTILITY STRUCTURE REMOVAL
- UTILITY LINE REMOVAL

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# Overall Demolition Plan

The Central at The Forge
City of Madison
Dane County, Wisconsin

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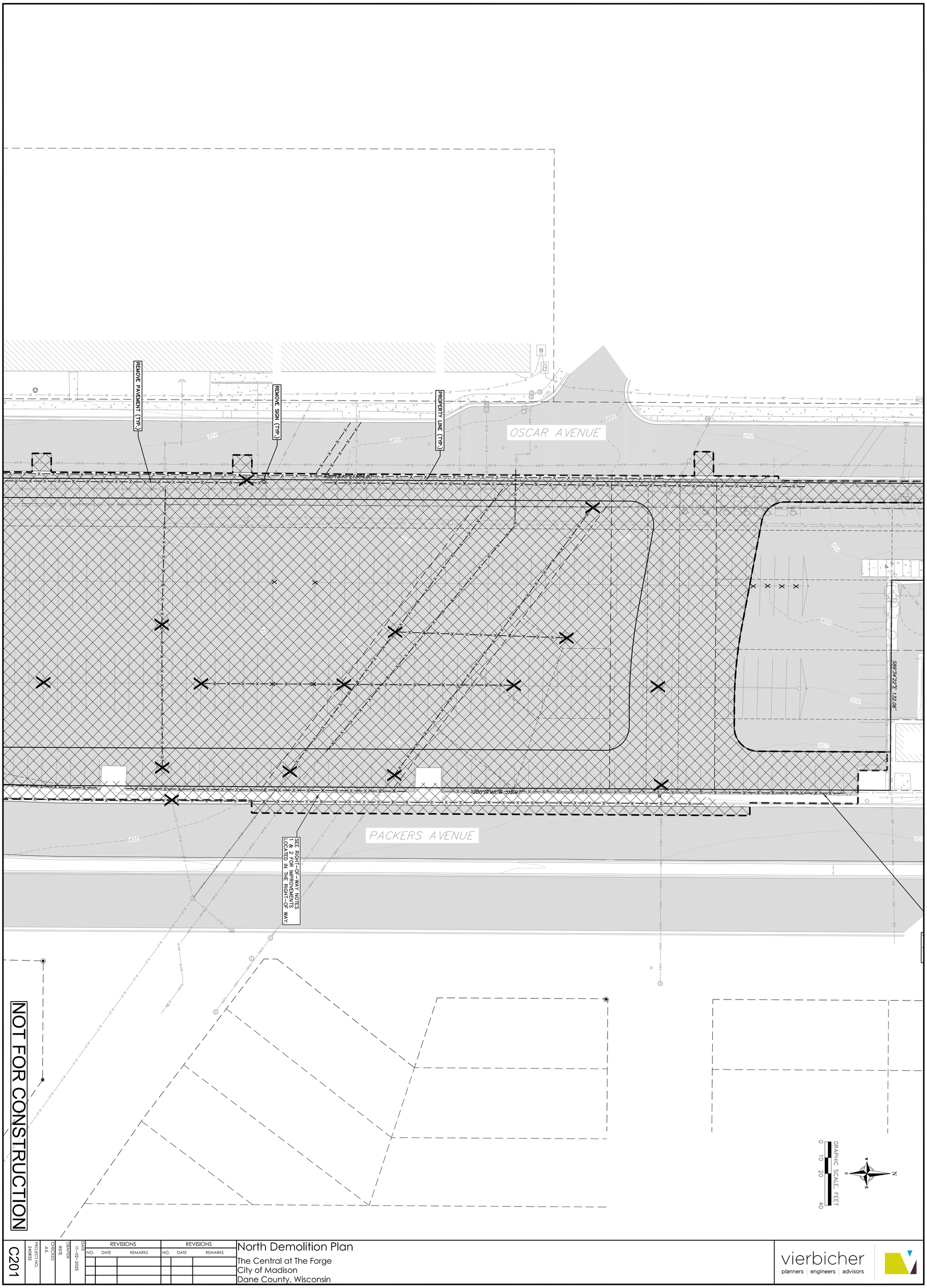


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# North Demolition Plan

The Central at The Forge
City of Madison
Dane County, Wisconsin

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# South Demolition Plan

The Central at The Forge
City of Madison
Dane County, Wisconsin

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SITE PLAN NOTES:

1. CONCRETE TO BE 5" THICK, CONSTRUCTED ON A BASE OF 4" COMPACTED SAND OR CRUSHED STONE.
2. CONCRETE FOR DRIVEWAYS AND SIDEWALK AT DRIVEWAY ENTRANCES SHALL BE 7" THICK, CONSTRUCTED ON A BASE OF 5" COMPACTED SAND OR CRUSHED STONE.
3. ALL DIMENSIONS WITH CURB & GUTTER ARE REFERENCED TO THE FACE OF CURB.
4. CONTRACTOR SHALL DEEP TILL ANY DISTURBED AREAS AFTER CONSTRUCTION IS COMPLETE AND BEFORE RESTORING.
5. CONTRACTOR TO OBTAIN ANY NECESSARY DRIVEWAY CONNECTION, RIGHT OF WAY AND EXCAVATION PERMITS PRIOR TO CONSTRUCTION.
6. ALL ABANDONED DRIVEWAYS ADJACENT TO THE SITE SHALL BE REPLACED WITH CURB AND THE TERRACE SHALL BE RESTORED WITH GRASS.
7. ANY SIDEWALK AND CURB & GUTTER ABUTTING THE PROPERTY SHALL BE REPLACED IF IT IS DAMAGED DURING CONSTRUCTION OR IF THE CITY OF MADISON ENGINEERING DEPARTMENT DETERMINES THAT IT IS NOT AT A DESIRABLE GRADE, REGARDLESS OF WHETHER THE CONDITION EXISTED PRIOR TO BEGINNING CONSTRUCTION.

RIGHT-OF-WAY NOTES:

1. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY AND ALL PUBLIC IMPROVEMENTS NECESSARY TO SERVE THE PROJECT ARE TO BE COMPLETED PER THE CITY/DEVELOPER AGREEMENT AND THE CITY ISSUED PLANS, CONTRACT NO. ____, PROJECT #_____.
2. 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 DEPTS.

CITY FORESTRY NOTES:

1. ALL PROPOSED STREET TREE REMOVALS SHALL BE REVIEWED BY CITY FORESTRY BEFORE THE PLAN COMMISSION MEETING. STREET TREE REMOVALS REQUIRE APPROVAL AND A TREE REMOVAL PERMIT ISSUED BY CITY FORESTRY. 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 A 72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ALDERPERSON WITHIN WHO'S DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED.
2. AS DEFINED BY THE SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: NO EXCAVATION IS 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 (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
3. CONTRACTOR SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO NOT DISFIGURE, SCAR, OR IMPAIR THE HEALTH OF ANY STREET TREE. CONTRACTOR SHALL OPERATE EQUIPMENT IN A MANNER AS TO NOT DAMAGE THE BRANCHES OF THE STREET TREE(S). THIS MAY REQUIRE USING SMALLER EQUIPMENT AND LOADING AND UNLOADING MATERIALS 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 266-4816. PENALTIES AND REMEDIATION SHALL BE REQUIRED.
4. 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..
5. ON THIS PROJECT, STREET TREE PROTECTION ZONE FENCING IS REQUIRED. THE FENCING SHALL BE ERECTED BEFORE THE DEMOLITION, GRADING OR CONSTRUCTION BEGINS. THE FENCE SHALL INCLUDE THE ENTIRE WIDTH OF TERRACE AND, EXTEND AT LEAST 5 FEET ON BOTH SIDES OF THE OUTSIDE EDGE OF THE TREE TRUNK. DO NOT REMOVE THE FENCING TO ALLOW FOR DELIVERIES OR EQUIPMENT ACCESS THROUGH THE TREE PROTECTION ZONE.
6. STREET TREE PRUNING SHALL BE COORDINATED WITH MADISON FORESTRY AT A MINIMUM OF TWO WEEKS PRIOR TO THE START OF CONSTRUCTION FOR THIS PROJECT. CONTACT CITY FORESTRY AT (608) 266-4816. ALL PRUNING SHALL FOLLOW THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300 – PART 1 STANDARDS FOR PRUNING.
7. AT LEAST ONE WEEK PRIOR TO STREET TREE PLANTING, CONTRACTOR SHALL CONTACT CITY FORESTRY AT (608) 266-4816 TO SCHEDULE INSPECTION AND APPROVAL OF NURSERY TREE STOCK AND REVIEW PLANTING SPECIFICATIONS WITH THE LANDSCAPER.

GRAPHIC SCALE, FEET
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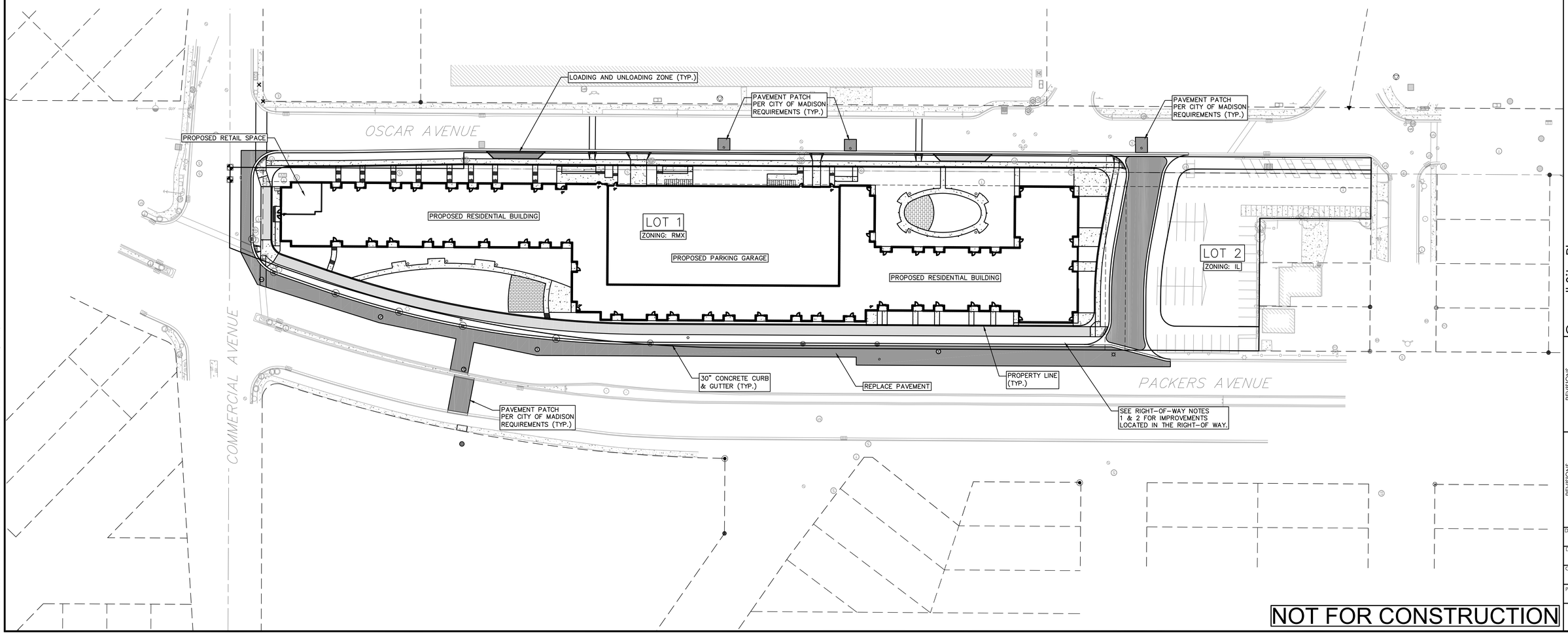
SITE PLAN LEGEND
- PROPERTY BOUNDARY
- CURB AND GUTTER (REVERSE CURB HATCHED)
- PROPOSED CHAIN LINK FENCE
- PROPOSED WOOD FENCE
- PROPOSED CONCRETE
- PROPOSED LIGHT-DUTY ASPHALT
- PROPOSED HEAVY-DUTY ASPHALT
- PROPOSED BUILDING
- PROPOSED SIGN
- PROPOSED LIGHT POLE
- PROPOSED BOLLARD
- PROPOSED ADA DETECTABLE WARNING FIELD
- PROPOSED HANDICAP PARKING

ABBREVIATIONS
TC – TOP OF CURB
FF – FINISHED FLOOR
FL – FLOW LINE
SW – TOP OF WALK
TW – TOP OF WALL
BW – BOTTOM OF WALL

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Overall Site Plan
The Central at The Forge
City of Madison
Dane County, Wisconsin

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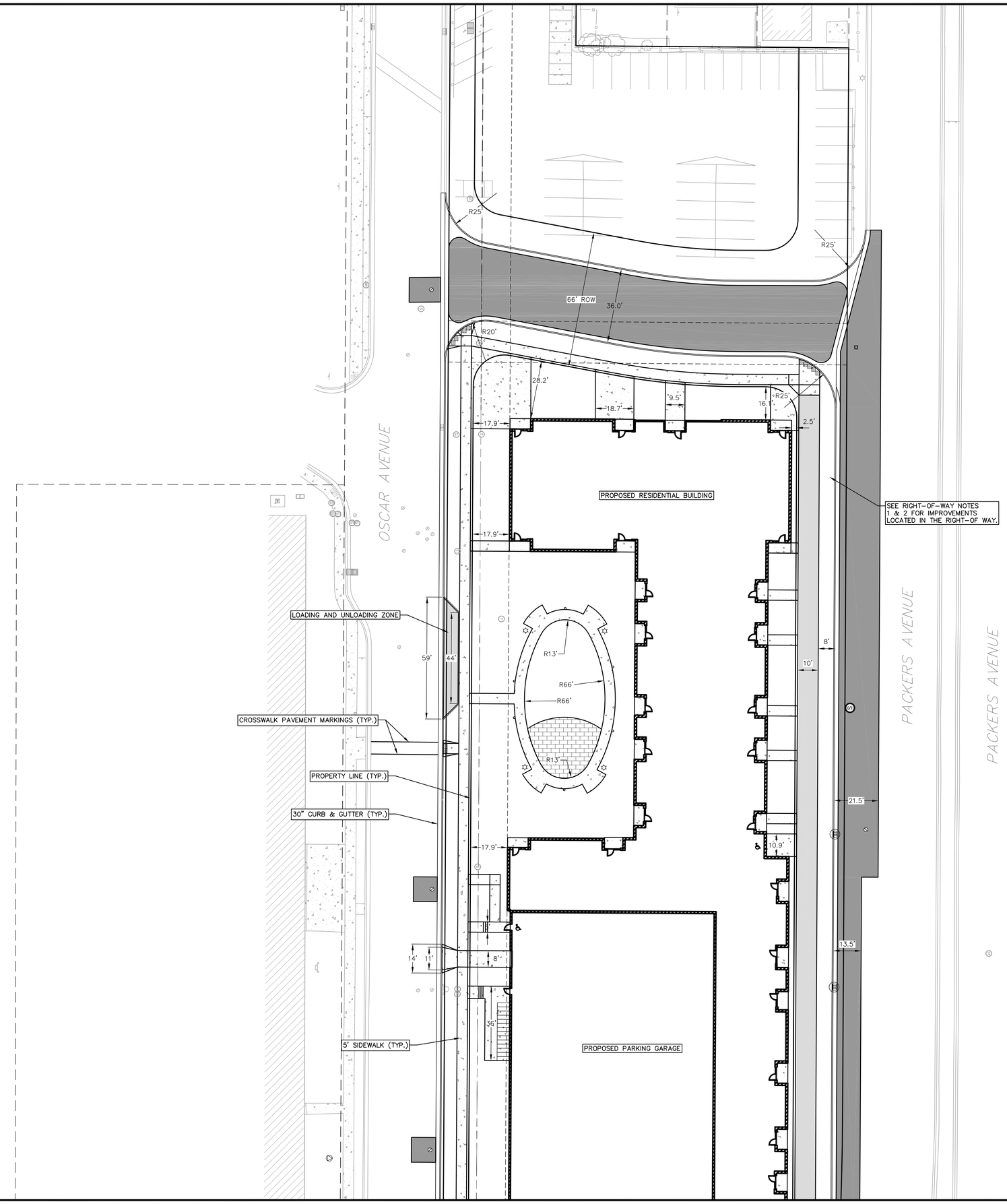


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# North Site Plan

The Central at The Forge
City of Madison
Dane County, Wisconsin

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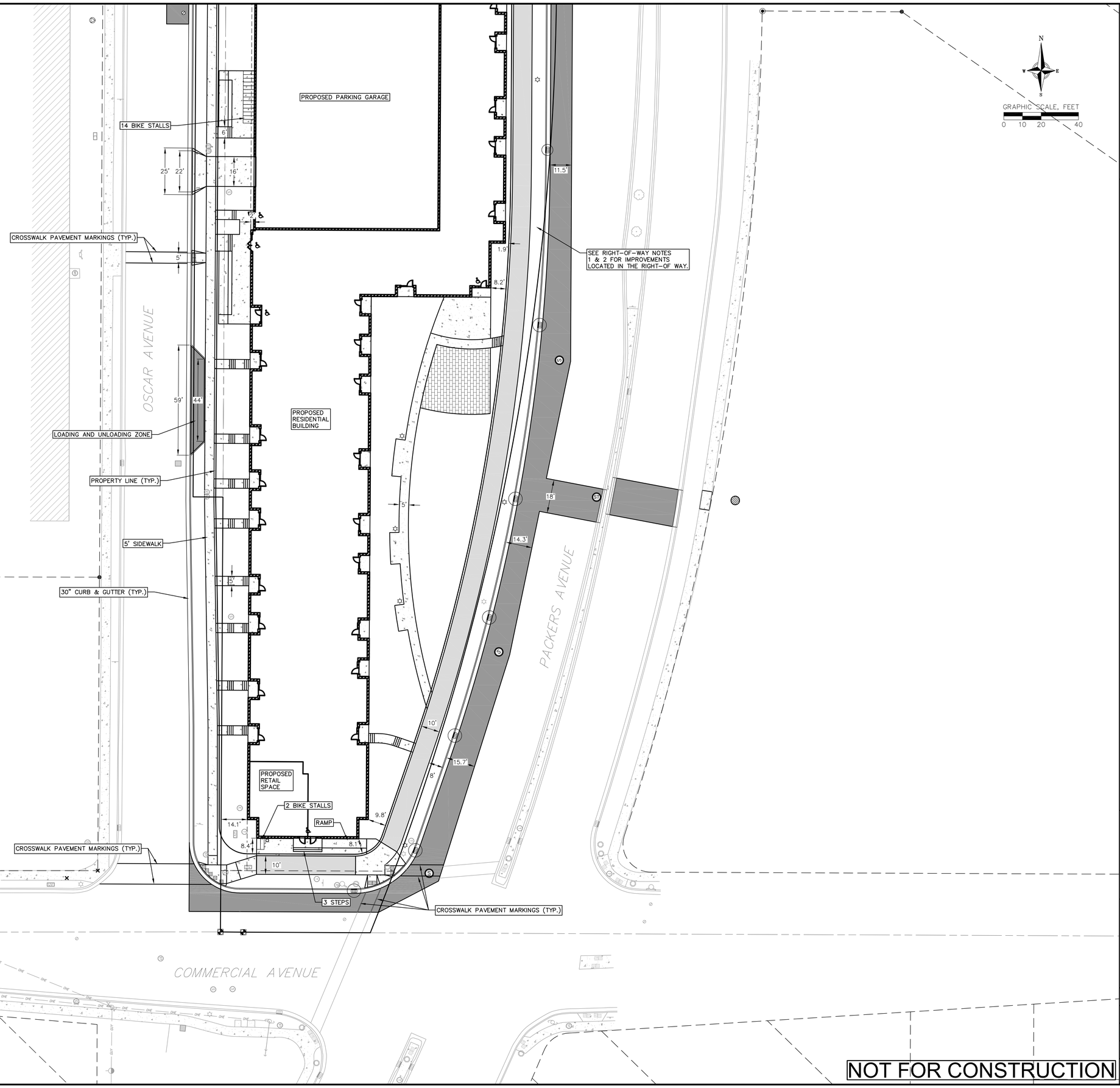


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# South Site Plan

The Central at The Forge
City of Madison
Dane County, Wisconsin

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UTILITY NOTES:

1. CONTRACTOR SHALL OBTAIN ANY NECESSARY WORK IN RIGHT OF WAY, EXCAVATION, UTILITY CONNECTION, PLUGGING AND ABANDONMENT PERMITS PRIOR TO CONSTRUCTION.
2. CONTRACTOR TO VERIFY EXISTING UTILITY LOCATIONS AND ELEVATIONS PRIOR TO STARTING WORK.
3. SANITARY & STORM SEWER LENGTHS SHOWN ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. STORM SEWER END SECTIONS ARE INCLUDED IN THE LENGTH AND SLOPE OF THE PIPE.
4. CONTRACTOR SHALL INVESTIGATE ALL UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL UTILITY STRUCTURES TO FINISHED GRADE (MANHOLE RIMS, WATER VALVES, AND CURB STOPS), IF NECESSARY.
6. IF DEWATERING OPERATIONS EXCEED 70 GALLONS PER MINUTE OF PUMPING CAPACITY, A DEWATERING WELL PERMIT SHALL BE OBTAINED PRIOR TO STARTING ANY DEWATERING ACTIVITIES.
7. A COPY OF THE APPROVED UTILITY PLANS, SPECIFICATIONS AND PLUMBING PERMIT APPROVAL LETTER SHALL BE ON-SITE DURING CONSTRUCTION AND OPEN TO INSPECTION BY AUTHORIZED REPRESENTATIVES OF THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES AND OTHER LOCAL INSPECTORS.
8. PROPOSED UTILITY SERVICE LINES SHOWN ARE APPROXIMATE. COORDINATE THE EXACT LOCATIONS WITH THE PLUMBING DRAWINGS. COORDINATE THE LOCATION WITH THE PLUMBING CONTRACTOR AND/OR OWNER'S CONSTRUCTION REPRESENTATIVE PRIOR TO INSTALLATION OF ANY NEW UTILITIES.
9. STORM BUILDING SEWER PIPE SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-6 OF SPS 384.30(3)(c).
10. UNDERGROUND DRAIN AND VENT PIPE/TUBING SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-2 OF SPS 384.30(2).
11. PRIVATE WATER SERVICES AND PRIVATE WATER MAINS SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-7 OF SPS 384.30(4)(d).
12. PRIVATE SANITARY SEWER AND LATERALS SHALL BE POLYVINYL CHLORIDE (PVC) ASTM D3034 – SDR 35 OR APPROVED EQUAL MATERIAL THAT CONFORMS TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-3 OF SPS 384.30(2)(c).
13. A MEANS TO LOCATE BURIED UNDERGROUND EXTERIOR NON METALLIC SEWERS/MAINS AND WATER SERVICES/MAINS MUST BE PROVIDED WITH TRACER WIRE OR OTHER METHODS IN ORDER TO BE LOCATED PER SPS 382.30(11)(H) AND SPS 382.40(8)(k).
14. EXTERIOR WATER SUPPLY PIPING SETBACKS AND CROSSINGS SHALL BE IN ACCORDANCE WITH SPS 382.40(8)(b.).
15. NO PERSON MAY ENGAGE IN PLUMBING WORK IN THE STATE UNLESS LICENSED TO DO SO BY THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES PER S.145.06.
16. SITE CONTRACTOR SHALL LEAVE SANITARY AND WATER LATERALS FIVE (5) FEET SHORT (HORIZONTALLY) FROM THE BUILDING. BUILDING PLUMBER SHALL VERIFY SIZE, LOCATION, AND INVERT ELEVATION OF PROPOSED SANITARY AND WATER LATERALS.
17. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE EXISTING VALVES WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. THE CITY IS NOT RESPONSIBLE FOR ANY COSTS INCURRED DUE TO THE CONTRACTOR NOT VERIFYING THAT THE EXISTING VALVE WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. IF A NEW VALVE IS REQUIRED, THE APPLICANT WILL BE REQUIRED TO INSTALL ONE AT THEIR EXPENSE, AT THE POINT OF CONNECTION.
18. CONTRACTOR TO CHLORINATE AND BACTERIA TEST BEFORE DOMESTIC SUPPLY PURPOSES
19. CLEAN OUT ALL EXISTING AND PROPOSED STORM INLETS AND CATCH BASINS AT THE COMPLETION OF CONSTRUCTION.
20. SANITARY SEWER MAIN AT BURY DEPTHS GREATER THAN 15' SHALL BE SDR 26. ALL OTHER SANITARY SEWER MAIN SHALL BE SDR 35.
21. CONTRACTOR SHALL COORDINATE WITH DRY UTILITY COMPANY'S REGARDING ANY POTENTIAL CONFLICTS AND COORDINATE RELOCATIONS AS MAY BE REQUIRED. CONTRACTOR SHALL ALSO COORDINATE THE PROPOSED INSTALLATION OF NEW FACILITIES AS REQUIRED.
22. ALL WATER MAIN AND SERVICES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 6.5' FROM TOP OF FINISHED GRADE ELEVATION TO TOP OF MAIN. PROVIDE 1.5' CLEAR SEPARATION IF WATER CROSSES BELOW SEWER AND MINIMUM 0.5' IF WATER CROSSES ABOVE.
23. SANITARY MANHOLES WITH SEWER MAIN CONNECTIONS GREATER THAN 2' ABOVE THE LOWEST INVERT SHALL BE CONSTRUCTED WITH AN EXTERNAL DROP. MANHOLES WITH SEWER LATERAL CONNECTIONS GREATER THAT 2' ABOVE THE LOWEST INVERT SHALL BE CONSTRUCTED WITH AN INTERNAL DROP.
24. INSTALL 1 SHEET OF 4'xB'x4" HIGH DENSITY STYROFOAM INSULATION AT ALL LOCATIONS WHERE STORM SEWER CROSSES WATER MAIN OR WATER LATERALS.

RIGHT-OF-WAY NOTES:

1. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY AND ALL PUBLIC IMPROVEMENTS NECESSARY TO SERVE THE PROJECT ARE TO BE COMPLETED PER THE CITY/DEVELOPER AGREEMENT AND THE CITY ISSUED PLANS, CONTRACT NO. 9700, PROJECT #16014.
2. 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 DEPTS.

GRAPHIC SCALE, FEET
0 20 40 80

PROPOSED UTILITY LEGEND

- STORM SEWER PIPE
- STORM SEWER MANHOLE
- STORM SEWER ENDWALL
- STORM SEWER CURB INLET
- STORM SEWER CURB INLET W/MANHOLE
- STORM SEWER FIELD INLET
- ROOF DRAIN CLEANOUT
- SANITARY SEWER PIPE (GRAVITY)
- SANITARY SEWER PIPE (FORCE MAIN)
- SANITARY SEWER LATERAL PIPE
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEANOUT
- WATER MAIN
- WATER SERVICE LATERAL PIPE
- FIRE HYDRANT
- WATER VALVE
- CURB STOP
- WATER VALVE MANHOLE
- PROPOSED PIPE INSULATION
- GAS MAIN
- ELECTRIC SERVICE

ABBREVIATIONS

STMH – STORM MANHOLE
FI – FIELD INLET
CI – CURB INLET
CB – CATCH BASIN
EW – ENDWALL
SMH – SANITARY MANHOLE

PROPOSED STORM LATERAL
PROPOSED BUILDING
PROPOSED WATER LATERAL
PROPOSED SANITARY LATERAL
PROPOSED SANITARY LATERAL
PROPOSED BUILDING
PROPOSED WATER LATERAL
PROPOSED SANITARY LATERAL
PROPOSED STORM LATERAL
PROPOSED SANITARY SEWER (TYP.)
PROPOSED STORM SEWER (TYP.)
PROPOSED WATER MAIN (TYP.)
SEE RIGHT-OF-WAY NOTES 1 & 2 FOR IMPROVEMENTS LOCATED IN THE RIGHT-OF WAY.

OSCAR AVENUE
PACKERS AVENUE
PACKERS AVENUE
COMMERCIAL AVENUE

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# Overall Utility Plan

The Central at The Forge
City of Madison
Dane County, Wisconsin

REVISIONS

| NO. | DATE | REMARKS |
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REVISIONS

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DATE 11-02-2025
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PROJECT NO. 240832

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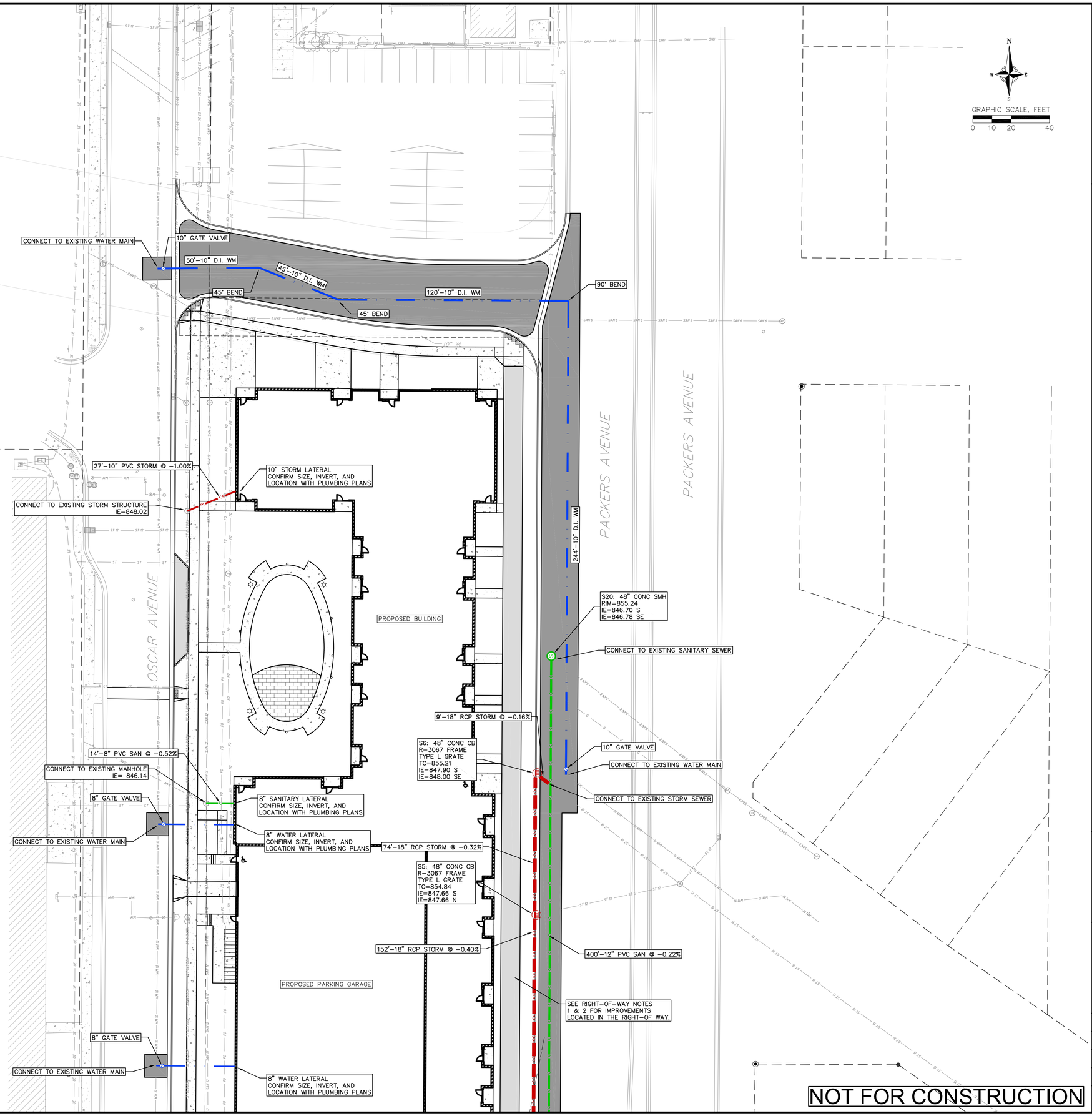


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# North Utility Plan

The Central at The Forge
City of Madison
Dane County, Wisconsin

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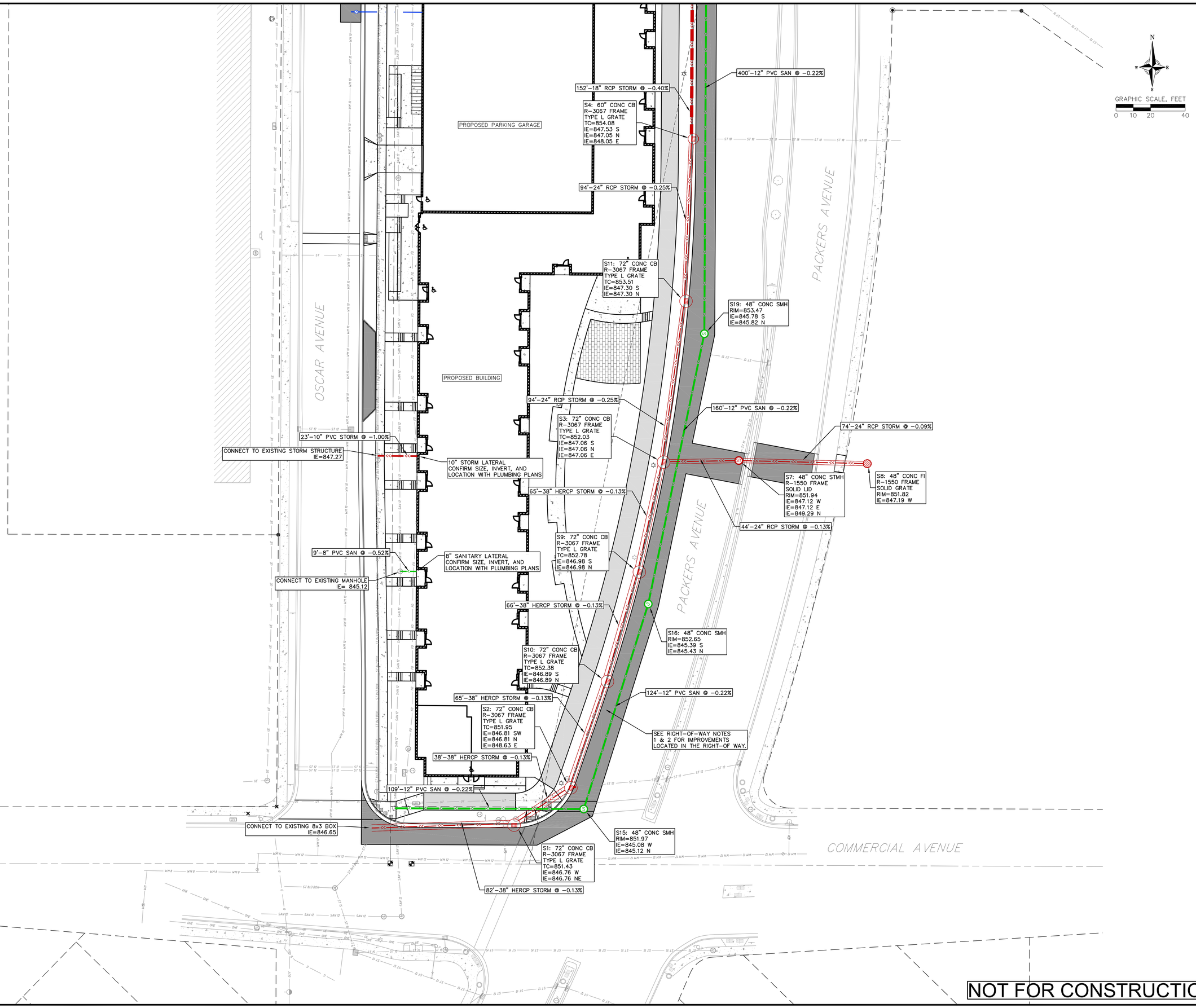


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South Utility Plan
The Central at The Forge
City of Madison
Dane County, Wisconsin

DATE 11-02-2025
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GRADING NOTES:

1. CONTOURS ARE SHOWN FOR PURPOSES OF INDICATING ROUGH GRADING. FINAL GRADE SHALL BE ESTABLISHED ON PAVED SURFACES BY USING SPOT GRADES ONLY.
2. ALL GRADES SHOWN REFERENCE FINISHED ELEVATIONS.
3. CROSS SLOPE OF SIDEWALKS SHALL BE 1.5% UNLESS OTHERWISE NOTED.
4. LONGITUDINAL GRADE OF SIDEWALK RAMPS SHALL NOT EXCEED 8.33% (1:12) AND SHALL BE IN ACCORDANCE WITH ADA REQUIREMENTS.
5. LONGITUDINAL GRADE OF SIDEWALK SHALL NOT EXCEED 5.0% OR THE ADJACENT STREET GRADE WHICHEVER IS GREATER.
6. ACCESSIBLE ROUTES SHALL BE 5.0% MAX LONGITUDINAL SLOPE AND 1.5% MAX CROSS SLOPE. ACCESSIBLE LOADING AREAS OR LANDINGS SHALL BE 2.0% MAX SLOPE IN ANY DIRECTION. RAMPS SHALL BE 8.33% MAX SLOPE.
7. NO LAND DISTURBANCE ACTIVITIES SHALL BEGIN UNTIL ALL EROSION CONTROL BMP'S ARE INSTALLED.
8. SEE DETAIL SHEETS FOR EROSION CONTROL NOTES AND CONSTRUCTION SEQUENCE.

RIGHT-OF-WAY NOTES:

1. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY AND ALL PUBLIC IMPROVEMENTS NECESSARY TO SERVE THE PROJECT ARE TO BE COMPLETED PER THE CITY/DEVELOPER AGREEMENT AND THE CITY ISSUED PLANS, CONTRACT NO. _____, PROJECT #_____.
2. 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 DEPTS.

GRAPHIC SCALE, FEET
0 20 40 80

GRADING LEGEND

- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS
- PROPOSED MAJOR CONTOURS
- PROPOSED MINOR CONTOURS
- DITCH CENTERLINE
- SILT FENCE
- DISTURBED LIMITS
- BERM
- DRAINAGE DIRECTION
- 2.92% PROPOSED SLOPE ARROWS
- 1048.61 EXISTING SPOT ELEVATIONS
- 1048.61 PROPOSED SPOT ELEVATIONS
- STONE WEEPER
- VELOCITY CHECK
- INLET PROTECTION
- EROSION MAT CLASS I, TYPE A
- EROSION MAT CLASS II, TYPE B
- EROSION MAT CLASS III, TYPE C
- EROSION MAT CLASS II, TYPE A
- TRACKING PAD
- RIP RAP

OSCAR AVENUE
COMMERCIAL AVENUE
PACKERS AVENUE
PACKERS AVENUE

SILT FENCE (TYP.)
INLET PROTECTION (TYP.)
TRACKING PAD (TYP.)
LIMITS OF DISTURBANCE (TYP.)
SEE RIGHT-OF-WAY NOTES 1 & 2 FOR IMPROVEMENTS LOCATED IN THE RIGHT-OF-WAY.

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# Overall Erosion Control & Grading Plan

The Central at The Forge
City of Madison
Dane County, Wisconsin

| REVISIONS | | | |
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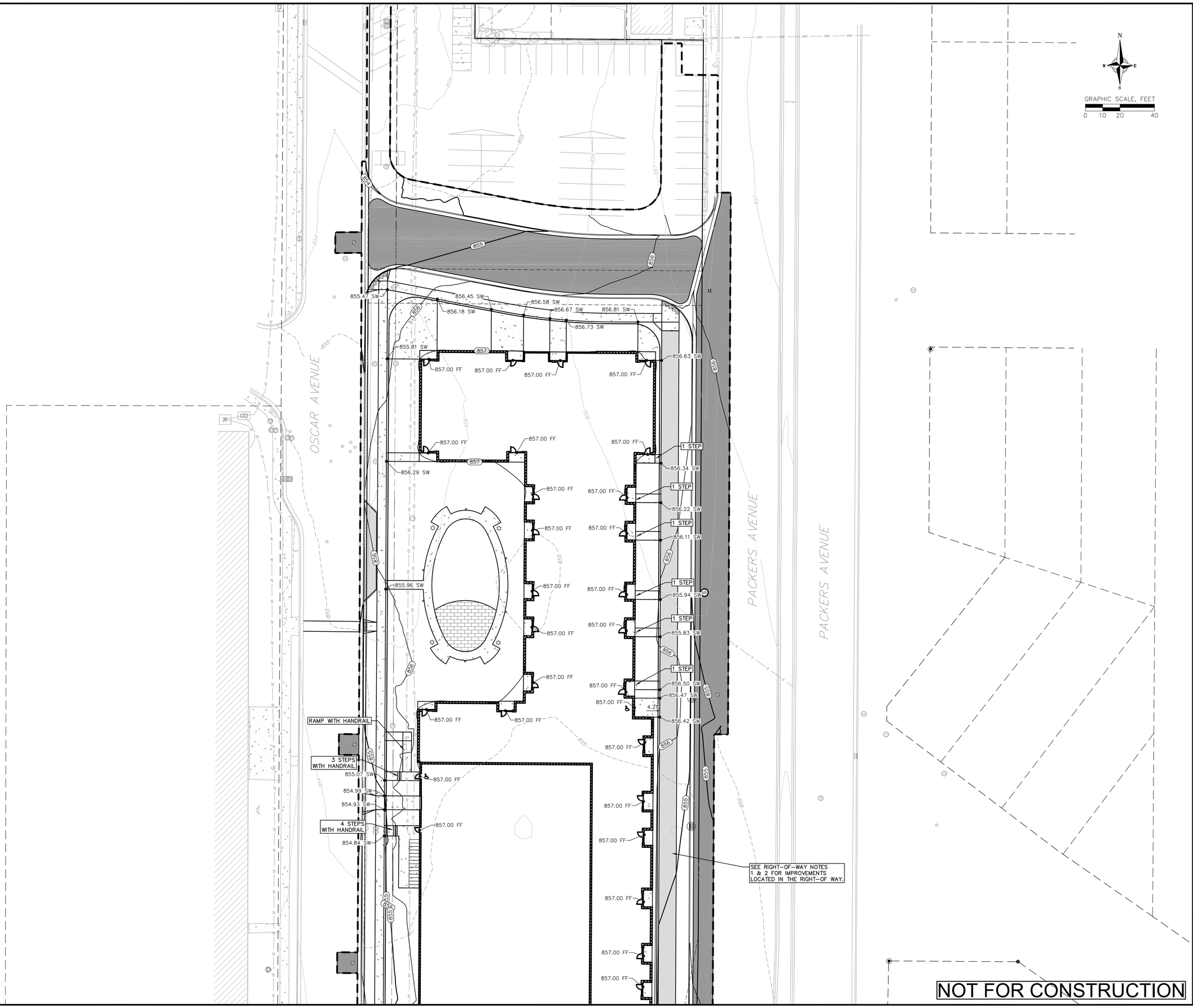


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# North Grading Plan

The Central at The Forge
City of Madison
Dane County, Wisconsin

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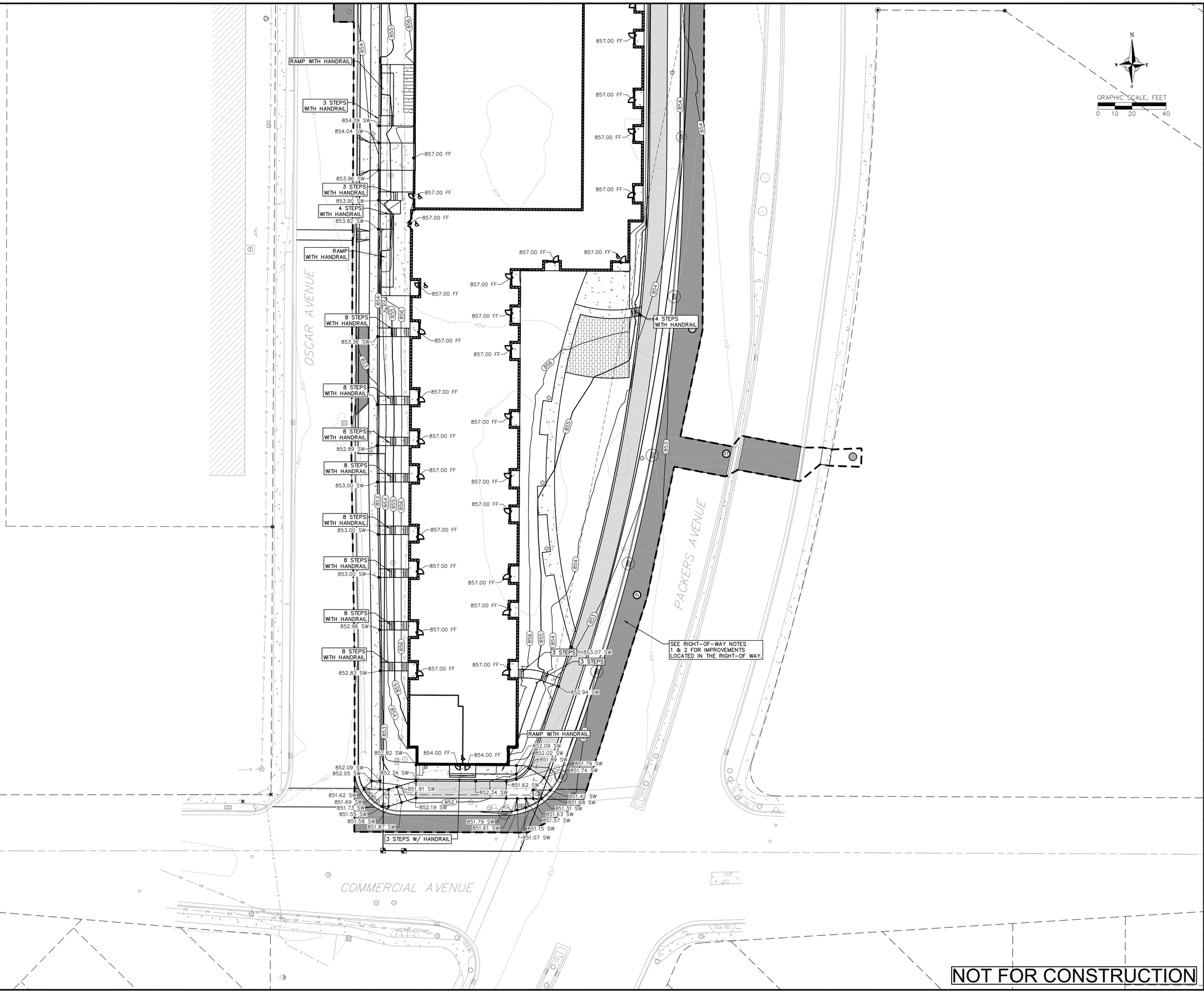


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# South Grading Plan

The Central at The Forge
City of Madison
Dane County, Wisconsin

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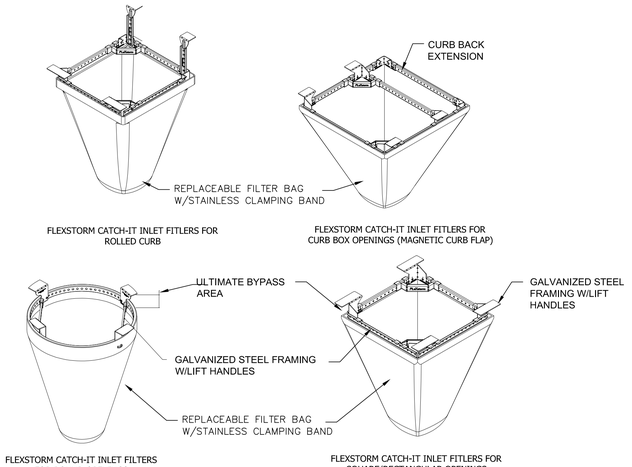
# EROSION CONTROL MEASURES

1. EROSION CONTROL SHALL BE IN ACCORDANCE WITH THE **CITY OF MADISON** EROSION CONTROL ORDINANCE AND CHAPTER NR 216 OF THE WISCONSIN ADMINISTRATIVE CODE.
2. CONSTRUCT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH WISCONSIN DNR TECHNICAL STANDARDS (http://dnr.wi.gov/runoff/stormwater/techstds.htm) AND WISCONSIN CONSTRUCTION SITE BEST MANAGEMENT PRACTICE HANDBOOK.
3. INSTALL SEDIMENT CONTROL PRACTICES (TRACKING PAD, PERIMETER SILT FENCE, SEDIMENT BASINS, ETC.) PRIOR TO INITIATING OTHER LAND DISTURBING CONSTRUCTION ACTIVITIES.
4. THE CONTRACTOR IS REQUIRED TO MAKE EROSION CONTROL INSPECTIONS AT THE END OF EACH WEEK AND WHEN 0.5 INCHES OF RAIN FALLS WITHIN 24 HOURS. INSPECTION REPORTS SHALL BE PREPARED AND FILED AS REQUIRED BY THE DNR AND/OR **CITY**. ALL MAINTENANCE WILL FOLLOW AN INSPECTION WITHIN 24 HOURS.
5. EROSION CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ACCEPTANCE OF THIS PROJECT. EROSION CONTROL MEASURES AS SHOWN SHALL BE THE MINIMUM PRECAUTIONS THAT WILL BE ALLOWED. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED IN WRITING BY THE STATE OR LOCAL INSPECTORS, OR THE DEVELOPER'S ENGINEER, SHALL BE INSTALLED WITHIN 24 HOURS.
6. A 3" CLEAR STONE TRACKING PAD SHALL BE INSTALLED AT THE END OF ROAD CONSTRUCTION LIMITS TO PREVENT SEDIMENT FROM BEING TRACKED ONTO THE ADJACENT PAVED PUBLIC ROADWAY. SEDIMENT TRACKING PAD SHALL CONFORM TO WisDNR TECHNICAL STANDARD 1057. SEDIMENT REACHING THE PUBLIC ROAD SHALL BE REMOVED BY STREET CLEANING (NOT HYDRAULIC FLUSHING) BEFORE THE END OF EACH WORK DAY.
7. CHANNELIZED RUNOFF: FROM ADJACENT AREAS PASSING THROUGH THE SITE SHALL BE DIVERTED AROUND DISTURBED AREAS.
8. STABILIZED DISTURBED GROUND: ANY SOIL OR DIRT PILES WHICH WILL REMAIN IN EXISTENCE FOR MORE THAN 7-CONSECUTIVE DAYS, WHETHER TO BE WORKED DURING THAT PERIOD OR NOT, SHALL NOT BE LOCATED WITHIN 25-FEET OF ANY ROADWAY, PARKING LOT, PAVED AREA, OR DRAINAGE STRUCTURE OR CHANNEL (UNLESS INTENDED TO BE USED AS PART OF THE EROSION CONTROL MEASURES). TEMPORARY STABILIZATION AND CONTROL MEASURES (SEEDING, MULCHING, TARPING, EROSION MATTING, BARRIER FENCING, ETC.) ARE REQUIRED FOR THE PROTECTION OF DISTURBED AREAS AND SOIL PILES, WHICH WILL REMAIN UN-WORKED FOR A PERIOD OF MORE THAN 7-CONSECUTIVE CALENDAR DAYS. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SITE HAS STABILIZED.
9. SITE DE-WATERING: WATER PUMPED FROM THE SITE SHALL BE TREATED BY TEMPORARY SEDIMENTATION BASINS OR OTHER APPROPRIATE CONTROL MEASURES. SEDIMENTATION BASINS SHALL HAVE A DEPTH OF AT LEAST 3 FEET, BE SURROUNDED BY SNOWFENCE OR EQUIVALENT BARRIER AND HAVE SUFFICIENT SURFACE AREA TO PROVIDE A SURFACE SETTLING RATE OF NO MORE THAN 750 GALLONS PER SQUARE FOOT PER DAY AT THE HIGHEST DEWATERING PUMPING RATE. WATER MAY NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION OF THE SITE, A NEIGHBORING SITE, OR THE BED OR BANKS OF THE RECEIVING WATER. POLYMERS MAY BE USED AS DIRECTED BY DNR TECHNICAL STANDARD 1061 (DE-WATERING).
10. WASHED STONE WEEPERS OR TEMPORARY EARTH BERMS SHALL BE BUILT PER PLAN BY CONTRACTOR TO TRAP SEDIMENT OR SLOW THE VELOCITY OF STORM WATER.
11. SEE DETAIL SHEETS FOR RIP-RAP SIZING. IN NO CASE WILL RIP-RAP BE SMALLER THAN 3" TO 6".
12. INLET FILTERS ARE TO BE PLACED IN STORMWATER INLET STRUCTURES AS SOON AS THEY ARE INSTALLED. ALL PROJECT AREA STORM INLETS NEED WISCONSIN D.O.T. TYPE D INLET PROTECTION. THE FILTERS SHALL BE MAINTAINED UNTIL THE **CITY** HAS ACCEPTED THE BINDER COURSE OF ASPHALT.
13. USE DETENTION BASINS AS SEDIMENT BASINS DURING CONSTRUCTION (DO NOT USE INFILTRATION AREAS). AT THE END OF CONSTRUCTION, REMOVE SEDIMENT AND RESTORE PER PLAN.
14. RESTORATION (SEED, FERTILIZE AND MULCH) SHALL BE PER SPECIFICATIONS ON THIS SHEET (NOTE: ADD SEEDING RATE STANDARD OF DETAIL BLOCK TO PLAN) UNLESS SPECIAL RESTORATION IS CALLED FOR ON THE LANDSCAPE PLAN OR THE DETENTION BASIN DETAIL SHEET.
15. TERRACES SHALL BE RESTORED WITH 6" TOPSOIL, PERMANENT SEED, FERTILIZER AND MULCH. LOTS SHALL BE RESTORED WITH 6" TOPSOIL, TEMPORARY SEED, FERTILIZER AND MULCH.
16. AFTER DETENTION BASIN GRADING IS COMPLETE, THE BOTTOM OF DRY BASINS SHALL RECEIVE 6" TOPSOIL AND SHALL BE CHISEL-PLOWED TO A MINIMUM DEPTH OF 12" PRIOR TO RESTORATION.
17. SEED, FERTILIZER AND MULCH SHALL BE APPLIED WITHIN 7 DAYS AFTER FINAL GRADE HAS BEEN ESTABLISHED. IF DISTURBED AREAS WILL NOT BE RESTORED IMMEDIATELY AFTER ROUGH GRADING, TEMPORARY SEED SHALL BE PLACED.
18. FOR THE FIRST SIX WEEKS AFTER RESTORATION (E.G. SEED & MULCH, EROSION MAT, SOD) OF A DISTURBED AREA, INCLUDE SUMMER WATERING PROVISIONS OF ALL NEWLY SEEDED AND MULCHED AREAS WHENEVER 7 DAYS ELAPSE WITHOUT A RAIN EVENT.
19. EROSION MAT (CLASS I, TYPE B URBAN PER WISCONSIN D.O.T. P.A.L.) SHALL BE INSTALLED ON THE BOTTOM (INVERT) OF ROADSIDE DITCHES/SWALES AS SHOWN ON THIS PLAN, 1 ROLL WIDTH.
20. SOIL STABILIZERS SHALL BE APPLIED TO DISTURBED AREAS WITH SLOPES BETWEEN 10% AND 3:1 (DO NOT USE IN CHANNELS). SOIL STABILIZERS SHALL BE TYPE B, PER WISCONSIN D.O.T. P.A.L. (PRODUCT ACCEPTABILITY LIST), OR EQUAL. APPLY AT RATES AND METHODS SPECIFIED PER **MANUFACTURER/THIS SHEET**. SOIL STABILIZERS SHALL BE RE-APPLIED WHENEVER VEHICLES OR OTHER EQUIPMENT TRACK ON THE AREA.
21. SILT FENCE OR EROSION MAT SHALL BE INSTALLED ALONG THE CONTOURS AT 100 FOOT INTERVALS DOWN THE SLOPE ON THE DISTURBED SLOPES STEEPER THAN 5% AND MORE THAN 100 FEET LONG THAT SHEET FLOW TO THE ROADWAY UNLESS SOIL STABILIZERS ARE USED.
22. INSTALL MINIMUM 6'-7' WIDE EROSION MAT ALONG THE BACK OF CURB AFTER TOPSOIL HAS BEEN PLACED IN THE TERRACE IF THIS AREA WILL NOT BE SEEDED AND MULCHED WITHIN 48 HOURS OF PLACING TOPSOIL. **(NOTE: CHECK WITH MUNICIPALITY AND PROJECT MANAGER IF THIS IS REQUIRED.)**
23. SILT FENCE TO BE USED ACROSS AREAS OF THE LOT THAT SLOPE TOWARDS A PUBLIC STREET OR WATERWAY. SEE DETAILS.
24. SEDIMENT SHALL BE CLEANED FROM CURB AND GUTTER AFTER EACH RAINFALL AND PRIOR TO PROJECT ACCEPTANCE.
25. ACCUMULATED CONSTRUCTION SEDIMENT SHALL BE REMOVED FROM ALL PERMANENT BASINS TO THE ELEVATION SHOWN ON THE GRADING PLAN FOLLOWING THE STABILIZATION OF DRAINAGE AREAS.
26. ALL CONSTRUCTION ENTRANCES SHALL HAVE TEMPORARY ROAD CLOSED SIGNS THAT WILL BE IN PLACE WHEN THE ENTRANCE IS NOT IN USE AND AT THE END OF EACH DAY.
27. ANY PROPOSED CHANGES TO THE EROSION CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY DANE COUNTY LAND CONSERVATION OR PERMITTING MUNICIPALITY.
28. THE **CITY,** OWNER AND/OR ENGINEER MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES AT ANY TIME DURING CONSTRUCTION.




| NEENAH CASTING | INLET TYPE | GRATE SIZE | OPENING SIZE | ADS P/N |
|---|---|---|---|---|
| 1040/1642/1733 | ROUND | 26 | 24 | 62MRDFX |
| 3067 W/FLAP | CURB BOX | 35.25 X 17.75 | 33.0 X 15.0 | 62LCBEXTFX |
| 3067 EXTENDED BACK | CURB BOX | 35.25 X 17.75 | 33.0 X 15.0 | 62LCBEXTFX |
| 3246A | CURB BOX | 35.75 X 23.875 | 33.5 X 21.0 | 62LCBFX |
| 3030 | SQUARE/RECT | 23 X 16 | 20.5 X 13.5 | 62MCBFX |
| 3067-C | SQUARE/RECT | 35.25 X 17.75 | 33 X 15 | 62LSQFX |

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

WHEN REMOVING OR MAINTAINING INLET PROTECTION, ANY TRAPPED MATERIAL THAT FALLS INTO THE INLET SHALL BE IMMEDIATELY REMOVED BY THE CONTRACTOR.

1 / 1 FRAMED INLET PROTECTION
NOT TO SCALE

## CONSTRUCTION SEQUENCE:

1. INSTALL SILT FENCE AND TRACKING PAD
2. STRIP TOPSOIL-DETENTION BASINS
3. ROUGH GRADE DETENTION BASINS
4. SEED DETENTION BASINS
5. STRIP TOPSOIL-STREETS & LOTS
6. ROUGH GRADE STREETS & LOTS
7. SEED LOT AREAS AND INSTALL DRIVE-OVER VELOCITY CHECKS
8. CONSTRUCT UNDERGROUND UTILITIES
9. INSTALL INLET PROTECTION
10. CONSTRUCT ROADS (STONE BASE, CURB & GUTTER, AND SIDEWALK). REMOVE DRIVE-OVER VELOCITY CHECKS WHEN BASE COURSE IS PLACED
11. RESTORE TERRACES
12. REMOVE TRACKING PAD, SILT FENCE AND DIVERSION BERM MEASURES AFTER DISTURBED AREAS ARE RESTORED

## SEEDING RATES:

TEMPORARY:
1. USE ANNUAL OATS AT 3.0 LB./1,000 S.F. FOR SPRING AND SUMMER PLANTINGS.
2. USE WINTER WHEAT OR RYE AT 3.0 LB./1,000 SF FOR FALL PLANTINGS STARTED

   AFTER SEPTEMBER 15.

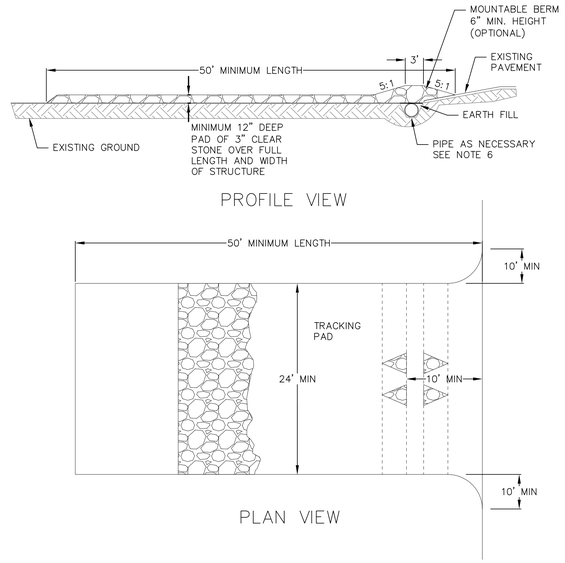
PERMANENT:
1. USE WISCONSIN D.O.T. SEED MIX #40 AT 2 LB./1,000 S.F.

## FERTILIZING RATES:

TEMPORARY AND PERMANENT:
USE WISCONSIN D.O.T. TYPE A OR B AT 7 LB./1,000 S.F.

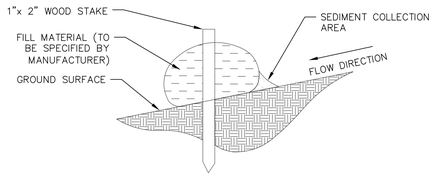
## MULCHING RATES:

TEMPORARY AND PERMANENT:
USE ½" TO 1-½" STRAW OR HAY MULCH, CRIMPED PER SECTION 607.3.2.3, OR OTHER RATE AND METHOD PER SECTION 627, WISCONSIN D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION

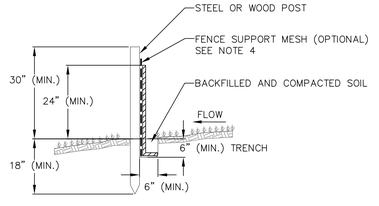



1. FOLLOW WISCONSIN DNR TECHNICAL STANDARD 1057 FOR FURTHER DETAILS AND INSTALLATION.
2. LENGTH – MINIMUM OF 50'
3. WIDTH – 24' MINIMUM, SHOULD BE FLARED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
4. ON SITES WITH A HIGH GROUND WATER TABLE OR WHERE SATURATED CONDITIONS EXIST, GEOTEXTILE FABRIC SHALL BE PLACED OVER EXISTING GROUND PRIOR TO PLACING STONE. FABRIC SHALL BE WISDOT TYPE-HR GEOTEXTILE FABRIC.
5. STONE – CRUSHED 3" CLEAR STONE SHALL BE PLACED AT LEAST 12" DEEP OVER THE ENTIRE LENGTH AND WIDTH OF ENTRANCE.
6. SURFACE WATER – ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARDS CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PIPE INSTALLED THROUGH THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROTECTED WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND MINIMUM OF 6" STONE OVER THE PIPE. PIPE SHALL BE SIZED ACCORDING TO THE DRAINAGE REQUIREMENTS. WHEN THE ENTRANCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY A PIPE SHALL NOT BE NECESSARY. THE MINIMUM PIPE DIAMETER SHALL BE 6". CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF SAID PIPE.
7. LOCATION – A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED WHERE CONSTRUCTION TRAFFIC ENTERS AND/OR LEAVES THE CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE TRACKING PAD.

1 / 1 TRACKING PAD
NOT TO SCALE




1 / 1 SILT SOCK
NOT TO SCALE




NOTES:

1. INSTALL SILT FENCE TO FOLLOW THE GROUND CONTOURS AS CLOSELY AS POSSIBLE.
2. CURVE THE SILT FENCE UP THE SLOPE TO PREVENT WATER FROM RUNNING AROUND THE ENDS.
3. POST SPACING WITH FENCE SUPPORT MESH = 10 FT. (MAX.)

   POST SPACING WITHOUT FENCE SUPPORT MESH = 6 FT. (MAX.)
4. SILT FENCE SUPPORT MESH CONSISTS OF 14-GAUGE STEEL WIRE WITH A MESH SPACING OF 6 IN. X 6 IN. OR PREFABRICATED POLYMERIC MESH OF EQUIVALENT STRENGTH

1 / 1 SILT FENCE
NOT TO SCALE

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The Central at The Forge
City of Madison
Dane County, Wisconsin

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PROJECT NO. 240832

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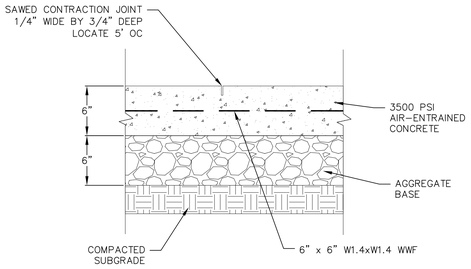


1/1 CONCRETE PAD
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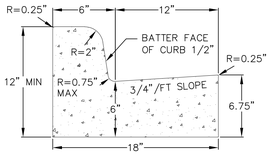
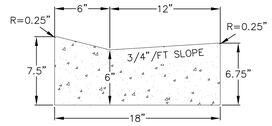
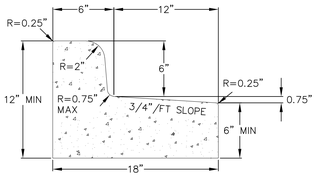


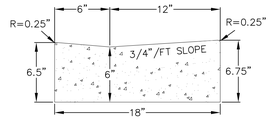

CURB AND GUTTER
CROSS SECTION




DRIVEWAY GUTTER
CROSS SECTION

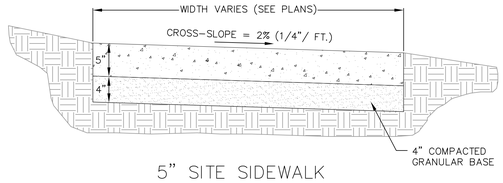



CURB AND GUTTER
REJECT SECTION

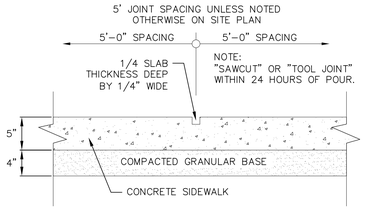



HANDICAP RAMP
GUTTER CROSS SECTION

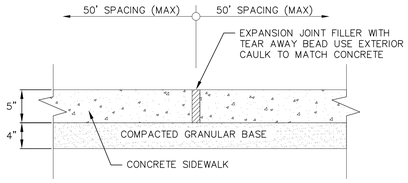
1/1 18" CONCRETE CURB AND GUTTER
NOT TO SCALE




5" SITE SIDEWALK

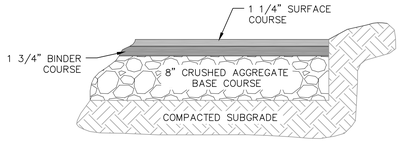



SIDEWALK CONTROL JOINT




SIDEWALK EXPANSION JOINT

1/1 5" SIDEWALK
NOT TO SCALE




BITUMINOUS PAVEMENT DRIVES

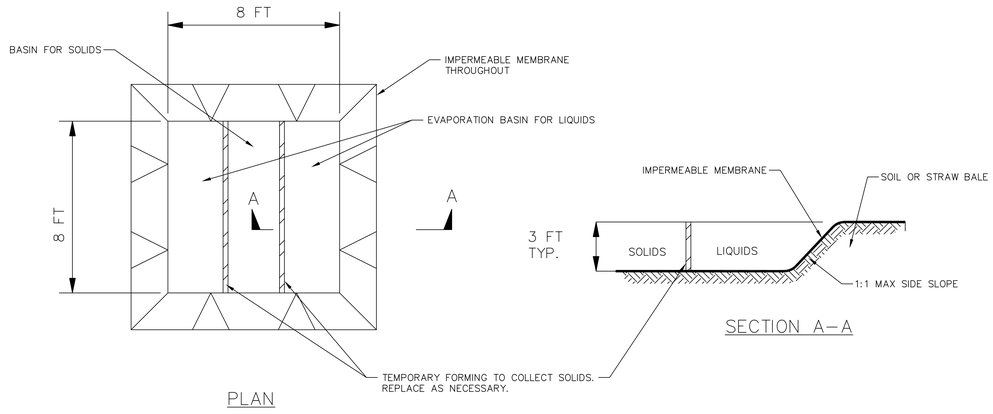



BITUMINOUS PAVEMENT
PARKING LOT

1/1 SITE PAVEMENT
NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

1. LOCATE WASHOUT STRUCTURE A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS AND WATER COURSES AND AWAY FROM CONSTRUCTION TRAFFIC.
2. PREPARE SOIL BASE FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE TEARS OR HOLES IN THE LINER. FOR LINER, USE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING, FREE OF HOLES AND TEARS OR OTHER DEFECTS THAT COMPROMISE IMPERMEABILITY OF THE MATERIAL.
3. KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED (E.G., RIPPED OR PUNCTURED). EMPTY OR REPLACE WASHOUT STRUCTURE THAT IS 75 PERCENT FULL, AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE PLASTIC LINER. WET-VACUUM STORED LIQUIDS THAT HAVE NOT EVAPORATED AND DISPOSE OF IN AN APPROVED MANNER. REMOVE HARDENED SOLIDS, WHOLE OR BROKEN UP, FOR DISPOSAL OR RECYCLING. MAINTAIN RUNOFF DIVERSION AROUND EXCAVATED WASHOUT STRUCTURE UNTIL STRUCTURE IS REMOVED.




4/C5.4 TEMPORARY CONCRETE WASHOUT
NOT TO SCALE

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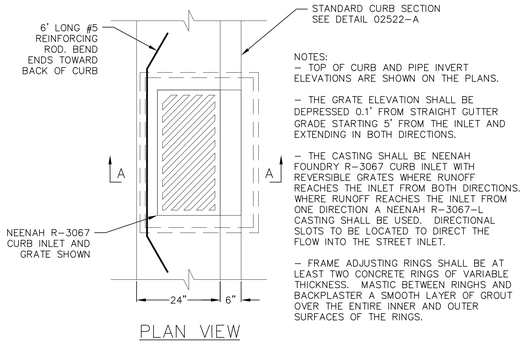


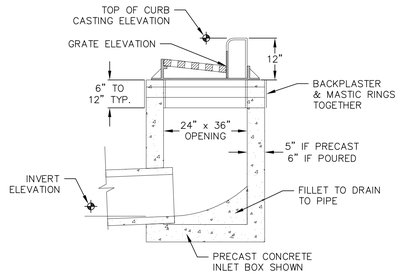

PLAN VIEW

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

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

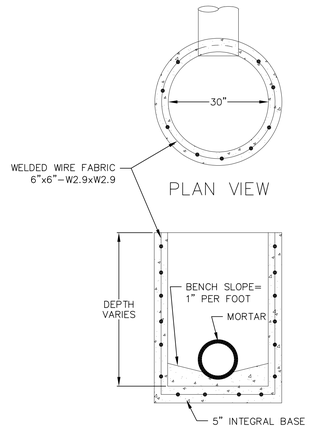
- THE CASTING SHALL BE NEENAH FOUNDRY R-3067 CURB INLET WITH REVERSIBLE GRATES WHERE RUNOFF REACHES THE INLET FROM BOTH DIRECTIONS. WHERE RUNOFF REACHES THE INLET FROM ONE DIRECTION A NEENAH R-3067-L CASTING SHALL BE USED. DIRECTIONAL SLOTS TO BE LOCATED TO DIRECT THE FLOW INTO THE STREET INLET.

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



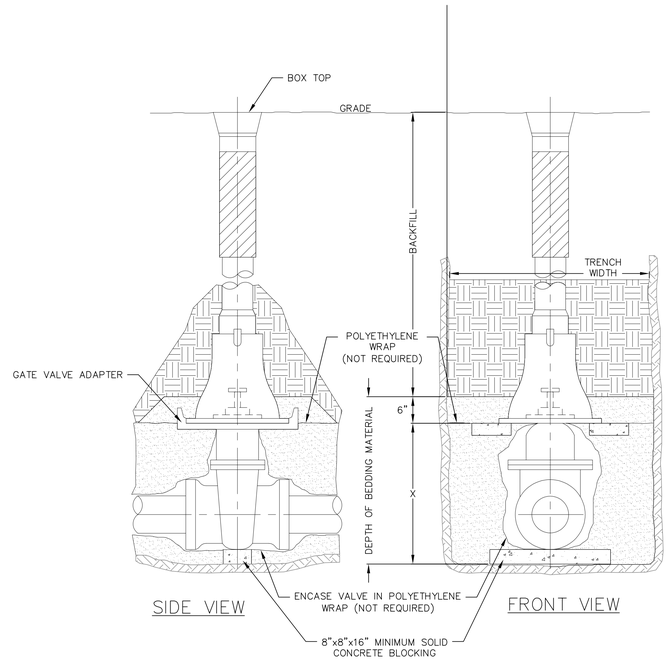

SECTION A-A

1/1 RECTANGULAR STREET INLET
NOT TO SCALE



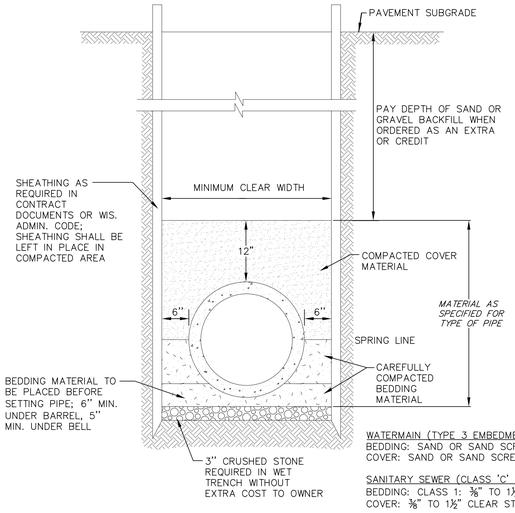

CROSS SECTION

1/1 FIELD INLET (30" DIA. BASIN)
NOT TO SCALE




| PIPE DIA. INCHES | X=SETTING INCHES |
|---|---|
| 2 | 6 |
| 3 | 7 |
| 4 | 8 |
| 6 | 12 |
| 8 | 13 |
| 12 | 21 |
| 16 | 30 |

1/1 STANDARD GATE VALVE BOX SETTING
NOT TO SCALE

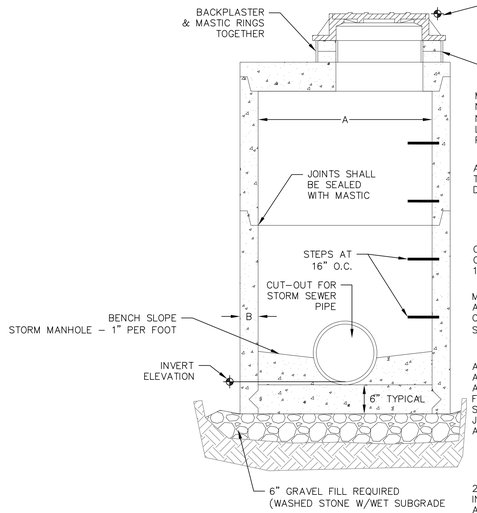



WATERMAIN (TYPE 3 EMBEDMENT):
BEDDING: SAND OR SAND SCREENINGS
COVER: SAND OR SAND SCREENINGS

SANITARY SEWER (CLASS 'C' BEDDING):
BEDDING: CLASS 1: ⅜" TO 1½" CLEAR STONE
COVER: ⅜" TO 1½" CLEAR STONE

STORM SEWER (CLASS 'B' BEDDING):
BEDDING: CLASS 1: ⅜" TO 1½" CLEAR STONE
COVER: NATIVE OR GRANULAR BACKFILL AS REQ'D

1/1 STANDARD TRENCH SECTION
NOT TO SCALE




MANHOLE CASTING SHALL BE HEAVY DUTY, NEENAH FOUNDRY CO. CATALOG LISTING NO. R-1550, WITH TYPE "B" NON-ROCKING LID, GASKET SEAL AND CONCEALED PICKHOLES

ADJUST FRAME TO GRADE WITH AT LEAST TWO PRECAST CONCRETE RINGS OF DIFFERENT THICKNESSES.

CONCRETE SHALL BE 4000 PSI, 28 DAY COMPRESSIVE STRENGTH, 6.5 BAG MIX WITH 1~2% AIR ENTRAINMENT.

MANHOLE STEPS SHALL CONFORM TO ASTM-C478 & SHALL BE NEENAH FOUNDRY CO. R-1981-N OR APPROVED EQUAL. STEPS SHALL BE SPACED 16" ON CENTER.

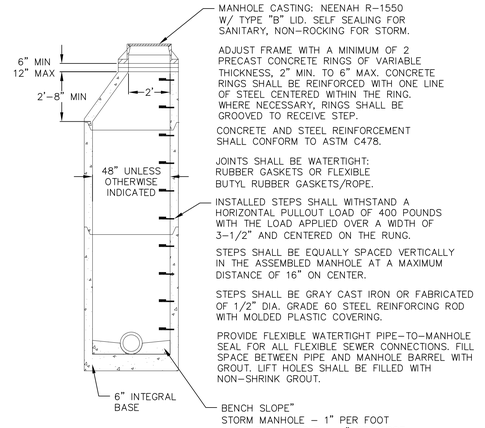
A MINIMUM OF 3" TO A MAXIMUM OF 9" OF ADJUSTING RINGS SHALL BE USED TO ADJUST THE MANHOLE CASTING TO THE FINISHED GRADE. ALL RINGS SHALL BE SEALED TOGETHER USING MASTIC AND ALL JOINTS SHALL BE BACK PLASTERED INSIDE AND OUT WITH CEMENT MORTAR.

2x3 OPENING IS REQUIRED FOR STORM INLET MANHOLES WITH CASTING AND RINGS AS SPECIFIED IN DETAIL 02721-A.

STORM MANHOLE DIMENSIONS

| MANHOLE SIZE | DIMENSION | |
|---|---|---|
| | A | B (MIN.) |
| 48" | 48" | 5" |
| 60" | 60" | 6" |
| 72" | 72" | 7" |
| 84" | 84" | 7" |
| 96" | 96" | 9" |

1/1 STORM SEWER MANHOLE
NOT TO SCALE




1/1 PRECAST CONCRETE MANHOLE
NOT TO SCALE

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# PLANT SCHEDULE

| CODE | BOTANICAL / COMMON NAME | ROOT COND. | SIZE | NOTES | QTY |
|---|---|---|---|---|---|
| **DECIDUOUS TREES** | | | | | |
| AS | Acer saccharum / Sugar Maple | B & B | 2.5"Cal | | 1 |
| CH | Celtis occidentalis 'JFS-KSU1' / Prairie Sentinel® Hackberry | B & B | 2.5"Cal | | 14 |
| FG | Fagus grandifolia / American Beech | B & B | 2.5"Cal | | 3 |
| OV | Ostrya virginiana / American Hophornbeam | B & B | 2.5"Cal | | 2 |
| QB | Quercus bicolor / Swamp White Oak | B & B | 2.5"Cal | | 2 |
| QM | Quercus macrocarpa / Burr Oak | B & B | 2.5"Cal | | 3 |
| QP2 | Quercus palustris 'Pringreen' / Green Pillar® Pin Oak | B & B | 2.5"Cal | | 9 |
| **UNDERSTORY TREES** | | | | | |
| AL | Amelanchier laevis / Allegheny Serviceberry | B & B | 4` ht. | Multi-Stem | 20 |
| CP | Carpinus caroliniana / American Hornbeam | B & B | 7` ht. | | 3 |
| CE | Cercis canadensis / Eastern Redbud Multi-trunk | B & B | 2.5"Cal | | 11 |
| CT | Cornus alternifolia / Pagoda Dogwood | 15 gal | | | 2 |
| CI | Crataegus crus-galli inermis / Thornless Cockspur Hawthorn | B & B | 1.5"Cal | | 6 |
| HV | Hamamelis virginiana / Common Witch Hazel | B & B | 5` ht. | | 2 |
| **DECIDUOUS SHRUBS** | | | | | |
| Ap | Amorpha canescens / Leadplant | Cont. | 1 Gal. | | 8 |
| Am | Aronia melanocarpa / Black Chokeberry | Cont. | 5 Gal. | | 21 |
| Am-2 | Aronia melanocarpa 'UCONNAM012' / Ground Hug® Black Chokeberry | Cont. | 2 Gal. | | 26 |
| Cm | Ceanothus americanus / New Jersey Tea | Cont. | 3 Gal. | | 66 |
| Cb | Cephalanthus occidentalis 'Balloptics' / Fiber Optics® Buttonbush | Cont. | 7 Gal. | | 12 |
| Ca-2 | Cornus sericea 'Alleman's Compact' / Dwarf Red Twig Dogwood | Cont. | 5 Gal. | | 7 |
| Hk | Hypericum kalmianum / Kalm St. Johnswort | Cont. | 5 Gal. | | 21 |
| Ld | Lonicera diervilla / Honeysuckle | Cont. | 3 Gal. | | 31 |
| Po-2 | Physocarpus opulifolius 'Nanus' / Dwarf Ninebark | Cont. | 3 Gal. | | 17 |
| Rs | Rhus aromatica 'Gro-Low' / Gro-Low Fragrant Sumac | Cont. | 3 Gal. | | 3 |
| Vd-2 | Viburnum dentatum 'KLMseventeen' / Little Joe™ Arrowwood Viburnum | Cont. | 5 Gal. | | 20 |
| Vp | Viburnum prunifolium / Blackhaw Viburnum | B & B | 4` ht. | | 4 |
| **EVERGREEN SHRUBS** | | | | | |
| Bx | Buxus x 'Green Mountain' / Green Mountain Boxwood | Cont. | 5 Gal. | | 32 |
| Ix-2 | Ilex glabra 'Shamrock' / Shamrock Inkberry Holly | Cont. | 3 Gal. | | 33 |
| Ix-3 | Ilex glabra 'SMNIGAB17' / Gem Box® Inkberry Holly | Cont. | 3 Gal. | | 10 |
| Jc | Juniperus communis depressa / Common Juniper | Cont. | 2 Gal. | | 3 |
| **PERENNIALS** | | | | | |
| Ms | Matteuccia struthiopteris / Ostrich Fern | Cont. | 1 Gal. | | 3 |

PLANT MATERIAL NOTES:

1. ALL PLANTINGS SHALL CONFORM TO QUALITY REQUIREMENTS AS PER ANSI Z60.1.
2. ALL PLANT MATERIAL SHALL BE TRUE TO SPECIES, VARIETY AND SIZE SPECIFIED, NURSERY GROWN IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES, AND UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE OF THE PROJECT SITE.
3. CONTACT LANDSCAPE ARCHITECT, IN WRITING, TO REQUEST ANY PLANT MATERIAL SUBSTITUTIONS DUE TO AVAILABILITY ISSUES.
4. ALL PLANTS SHALL BE GUARANTEED TO BE IN HEALTHY AND FLOURISHING CONDITION DURING THE GROWING SEASON FOLLOWING INSTALLATION. ALL PLANT MATERIAL SHALL BE GUARANTEED FOR ONE YEAR FROM THE TIME OF INSTALLATION.
5. EXACT LOCATIONS OF EACH PLANT ARE GIVEN IN PLAN. WHILE SLIGHT DEVIATIONS ARE ACCEPTABLE, OVERALL SCHEMATIC/ORIENTATION TO BE ADHERED TO AS ACCURATELY AS POSSIBLE. NOTIFY LANDSCAPE ARCHITECT OF ANY CONFLICTS.

GENERAL LANDSCAPE NOTES:

1. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR ANY RIGHT OF WAY WORK.
2. CONTRACTOR SHALL VERIFY ALL UTILITIES WITHIN SCOPE OF CONTRACT.
3. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS AT SITE AND COMPLETE WORK PER SCHEDULE.
4. CONTRACTOR SHALL CLEAN ALL PAVEMENT AREAS WITHIN SITE AFTER COMPLETION. CONTRACTOR SHALL CLEAN ANY AFFECTED PAVED AREAS OUTSIDE OF DISTURBANCE DELINEATION DAILY.
5. ALL MATERIAL QUANTITIES AND AREA MEASUREMENTS SHOWN ON LANDSCAPE PLAN ARE TO BE CONFIRMED BY LANDSCAPE CONTRACTOR. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND ADJUSTING FOR ANY QUANTITATIVE DISCREPANCIES BETWEEN PLAN, SCHEDULES, AND PREPARED CONDITIONS PRIOR TO INSTALLATION.
6. PLANTS SHALL BE INSTALLED WHEN ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED WITHIN THE IMMEDIATE VICINITY.
7. ANY PREPARED SITE CONDITIONS THAT CONTRADICT THE LANDSCAPE PLAN AND NEGATIVELY AFFECT THE SUCCESS OF PLANTINGS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.
8. LANDSCAPE CONTRACTOR TO PROVIDE 60 DAYS OF INITIAL MAINTENANCE PERIOD FOLLOWING LANDSCAPE INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR WATERING ALL SEEDINGS AND PLANTINGS, AS WELL AS MOWING, WEEDING AND MATERIAL CLEAN UP.

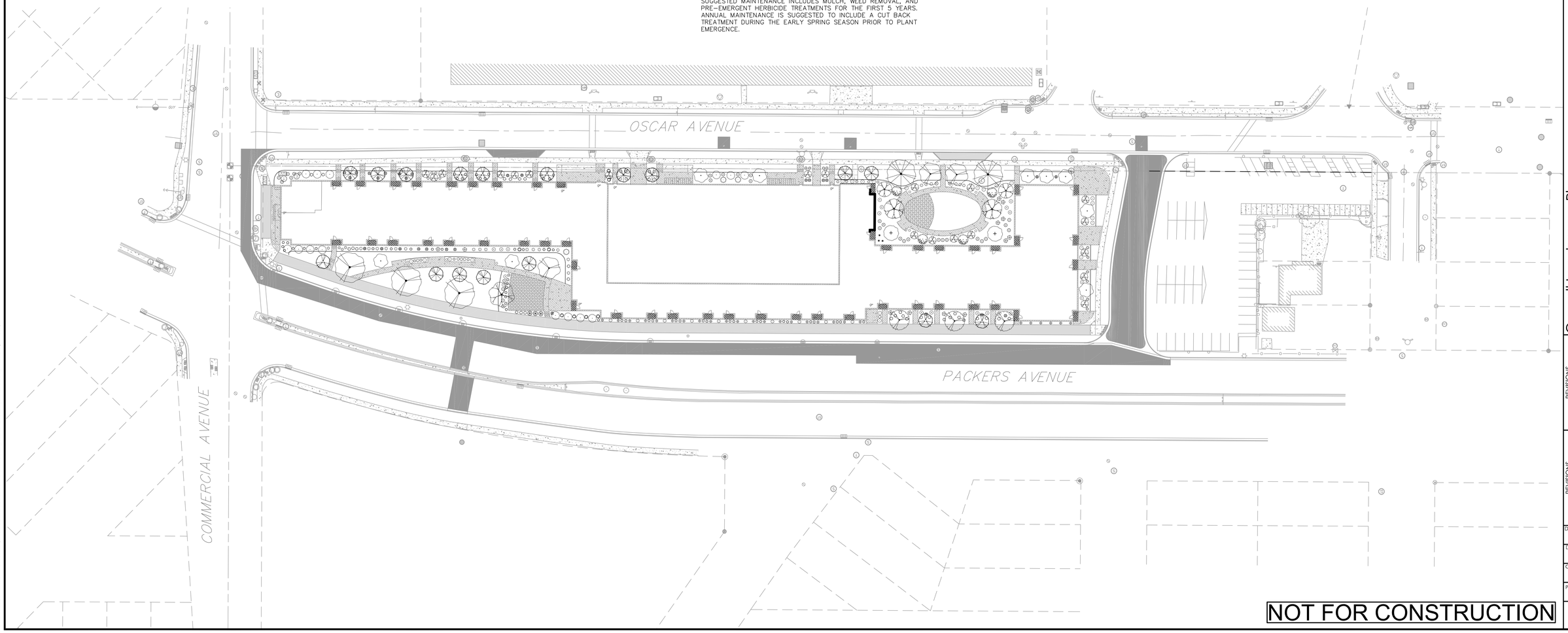
LANDSCAPE MATERIAL NOTES:

1. CONTRACTOR SHALL PROVIDE A SUITABLE AMENDED TOPSOIL BLEND FOR ALL PLANTING AREAS WHERE SOIL CONDITIONS ARE UNSUITABLE FOR PLANT GROWTH. TOPSOIL SHALL CONFORM TO QUALITY REQUIREMENTS AS PER SECTION 625.2(1) OF THE "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION." PROVIDE A MINIMUM OF 18" OF TOPSOIL IN ALL PLANTING AREAS AND 6" OF TOPSOIL IN AREAS TO BE SEEDED/SODDED.
2. SUBSOIL UNDER TURF AND PLANTING BEDS MUST BE FREE DRAINING AND LOOSE TO ALLOW ROOT PENETRATION AND DRAINAGE. LANDSCAPE CONTRACTOR SHOULD NOTIFY GENERAL CONTRACTOR IF SUBSURFACE COMPACTION IS UNFIT FOR PLANTING. LANDSCAPE CONTRACTOR IS NOT RESPONSIBLE FOR SUBSURFACE SOIL PREPARATION.
3. LANDSCAPE BEDS TO BE MULCHED WITH UNDYED SHREDDED HARDWOOD BARK MULCH TO 3" DEPTH MIN. DO NOT ALLOW MULCH TO COVER LEAVES, STEMS, OR TRUNKS OF INSTALLED PLANTS. NO LANDSCAPE FABRIC TO BE INSTALLED WITHIN PLANTED AREAS.
4. LANDSCAPE BEDS AND SEEDED AREAS ARE SEPARATED WITH COMMERCIAL GRADE ALUMINUM LANDSCAPE EDGING, PERMALOC CLEANLINE 4"X4" OR EQUAL, COLOR BLACK ANODIZED.
5. ALL TREES AND/OR SHRUBS PLANTED IN SEEDED AREAS TO BE INSTALLED WITH A 6' DIAMETER UNDYED SHREDDED HARDWOOD BARK MULCH RING AT A DEPTH OF 3" AND SHOVEL CUT EDGE. A SLOW RELEASE FERTILIZER AND MYCORRHIZAL INOCULATE SHOULD BE APPLIED TOPICALLY AT TIME OF PLANTING PRIOR TO MULCH APPLICATION ACCORDING TO MANUFACTURER SPECIFICATIONS.

SEEDING AND PLUG PLANTING NOTES:

1. ALL UNLABELED DISTURBED AREAS AND AREAS SHOWN AS TURF GRASS TO BE SEEDED WITH 'MADISON PARKS' SEED MIX BY LA CROSSE SEED OR EQUIVALENT. ALL SEEDED AREAS ARE TO BE WATERED DAILY TO MAINTAIN ADEQUATE SOIL MOISTURE FOR PROPER GERMINATION. AFTER VIGOROUS GROWTH IS ESTABLISHED, APPLY 1" WATER TWICE WEEKLY UNTIL FINAL ACCEPTANCE. (PRIOR TO ROUTINE MAINTENANCE SCHEDULE ESTABLISHMENT, MOWING SHOULD OCCUR TO MAINTAIN A TURF HEIGHT OF 3"–6".) PRIOR TO SEEDING APPLY A MINIMUM OF 4" TOPSOIL TO ENTIRE AREA. FOLLOWING SEEDING APPLY A MULCH LAYER OF STRAW OR STRAW MAT.
2. INSTALL GROUNDCOVERS AS 2.5" PLUGS OR EQUAL. PLUGS TO BE INSTALLED 12" ON CENTER IN A TRIANGULAR GRID PATTERN. PLANT SPECIES RANDOMLY THROUGHOUT SPECIFIED AREA, MAINTAINING A REPRESENTATIVE RATIO OF SPECIES AS SHOWN IN THE CONCEPT PLANT SCHEDULE THROUGHOUT PLANTING. PLUG NUMBERS ARE APPROXIMATE BASED ON AREA, CONTRACTOR TO CONFIRM QUANTITIES. QUANTITIES IN SCHEDULE REPRESENT TOTAL PLUGS PER SPECIES FOR ALL GROUNDCOVER AREAS SHOWN, EACH AREA TO RECEIVE A REPRESENTATIVE FRACTION OF PLUGS BASED ON THE SQUARE FOOTAGE OF EACH RESPECTIVE PLANTING LOCATION SPECIFIED. WHERE SHRUBS/TREES ARE SHOWN WITHIN GROUNDCOVER AREAS, SUBSTITUTE SHRUB/TREE FOR PLUG AND SPACE SURROUNDING PLUGS 12" FROM SHRUB/TREE ROOT MASS, PATTERN ACCORDING. WHERE PLANTINGS ABUT WALKWAYS AND STRUCTURES, MAINTAIN A 12" BORDER OF MULCH CONTAINING NO PLUGS. APPLY BIODEGRADABLE NON–WOVEN GEOTEXTILE WEED BARRIER FABRIC TO SOIL SURFACE PRIOR TO PLANTING, INCISE GAPS IN FABRIC FOR EACH PLUG. APPLY 1/2" WATER DAILY FOR 4 WEEKS FOLLOWING INSTALLATION. APPLY AN INITIAL APPLICATION OF PRE–EMERGENT HERBICIDE PER MANUFACTURER'S INSTRUCTIONS AND STATE REGULATIONS, REPEAT APPLICATIONS THROUGHOUT ESTABLISHMENT PERIOD PER MANUFACTURER'S RECOMMENDATIONS. APPLY 2" OF SHREDDED HARDWOOD MULCH AT TIME OF PLANTING. SUGGESTED MAINTENANCE INCLUDES MULCH, WEED REMOVAL, AND PRE–EMERGENT HERBICIDE TREATMENTS FOR THE FIRST 5 YEARS. ANNUAL MAINTENANCE IS SUGGESTED TO INCLUDE A CUT BACK TREATMENT DURING THE EARLY SPRING SEASON PRIOR TO PLANT EMERGENCE.

| **City of Madison Landscape Worksheet** | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Address:** | 2150 Commercial Ave | **Date:** | 10/31/2025 | | | | |
| **Total Square Footage of Developed Area:** | (Site Area) | - 120370.4 | (Building Footprint at Grade) | | = 76896 | 43474.4 | sf |
| **Total Landscape Points Required (<5 ac):** | 43,474 | / 300 = | 145 | x 5 = | 725 | **725** | |
| Lanscape Points Required >5 ac: | | / 100 = | 0 | x 1 = | - | | |
| | | | **Credits/ Existing Landscaping** | | **New/ Proposed Landscaping** | | |
| **Plant Type/ Element** | **Min. Size at Installation** | **Points** | **Quantity** | **Points Achieved** | **Quantity** | **Points Achieved** | |
| Overstory deciduous tree | 2.5" cal | 35 | | 0 | 32 | 1120 | |
| Tall Evergreen Tree | 5-6 feet tall | 35 | | 0 | | 0 | |
| Ornamental tree | 1.5" cal | 15 | | 0 | 44 | 660 | |
| Upright evergreen shrub | 3-4 feet tall | 10 | | 0 | | 0 | |
| Shrub, deciduous | #3 gallon | 3 | | 0 | 236 | 708 | |
| Shrub, evergreen | #3 gallon | 4 | | 0 | 78 | 312 | |
| Ornamental grasses/perennials | #1 gallon | 2 | | 0 | | 0 | |
| Ornamental/decorative fencing or wall | n/a | 4 per 10 LF | | 0 | | 0 | |
| Existing significant specimen tree | Min. Size 2.5" cal. | 14 per caliper inch. | | 0 | | 0 | |
| Landscape Furniture for public seating and/or transit connections | | 5 points per "seat" | | 0 | | 0 | |
| **Sub Totals** | | | | 0 | | 2800 | |
| | | | | **Total Points Provided:** | **2800** | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | Frontage | | | | | | |
| | | | | | Required | Provided | |
| | | 1883 | ft | Trees | 63 | 32 | |
| | | | | Ornamental Trees | 62 | 44 | |
| | | | | Shrubs | 314 | 314 | |




NOT FOR CONSTRUCTION

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vierbicher planners engineers advisors

# Overall Landscape Plan

The Central at The Forge
City of Madison
Dane County, Wisconsin

| REVISIONS NO. | DATE | REMARKS |
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| REVISIONS NO. | DATE | REMARKS |
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DATE 11–02–2025
DRAFTER EGOR
CHECKED JLIL
PROJECT NO. 240832

L100

31 Oct 2025 - 4:49p C:\Users\jlil\appdata\local\temp\AcPublish_13248\240382_Landscape_Plan.dwg by: jlil

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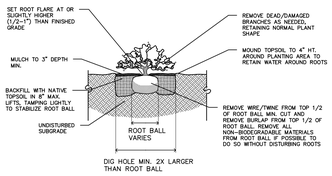
NOTES:

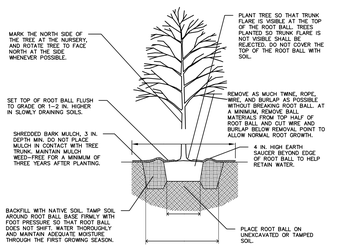
1. KEEP CONTAINERS ON PLANTS UNTIL READY TO INSTALL TO MINIMIZE ROOT DAMAGE FROM EXPOSURE TO AIR. GENTLY LOOSEN ROOTS ON ROOTBOUND PLANTS. SEVERELY ROOTBOUND PLANTS WILL BE REJECTED.
2. APPLY MYCORRHIZAL INNOCULANT TO SOIL PRIOR TO MULCHING, PER SPECIFIED APPLICATION RATES.
3. WATER PLANTS THOROUGHLY AFTER PLANTING TO SETTLE SOIL.




1/1 SHRUB PLANTING DETAIL
NOT TO SCALE

NOTES:

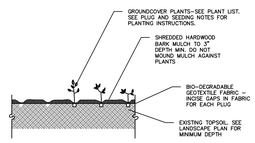
1. DO NOT HEAVILY PRUNE TREE AT PLANTING. PRUNE ONLY CROSSING LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.
2. STAKE TREES ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT.
3. WRAP TREES ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT.



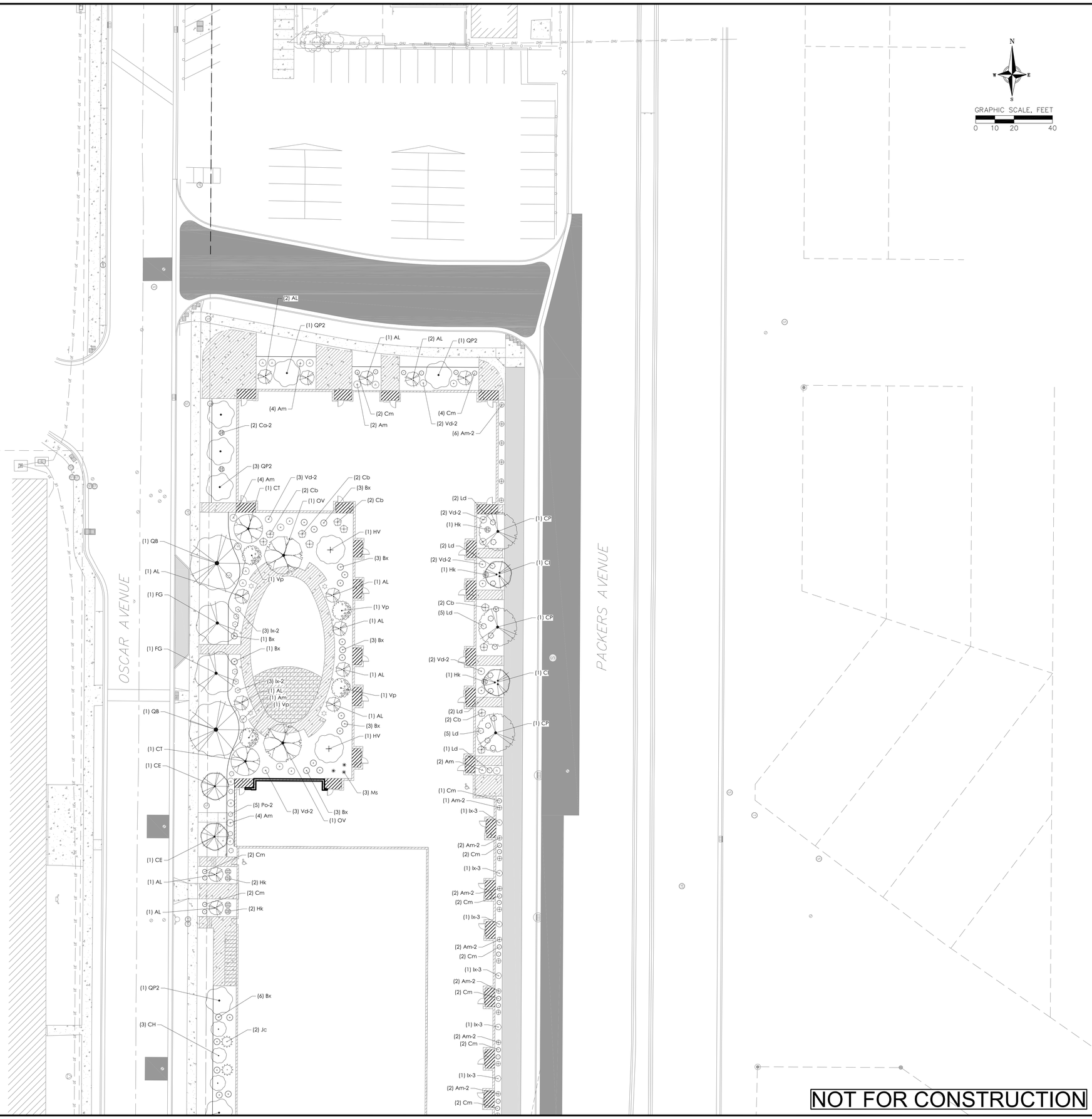

1/1 B&B TREE PLANTING DETAIL
NOT TO SCALE

NOTES:

1. PLANT SPECIES RANDOMLY THROUGHOUT SPECIFIED AREA, MAINTAINING A REPRESENTATIVE RATIO OF SPECIES AS SHOWN IN THE CONCEPT PLANT SCHEDULE THROUGHOUT PLANTING.
2. WHERE PLANTINGS ABUT WALKWAYS AND STRUCTURES, MAINTAIN A 12" BORDER OF MULCH CONTAINING NO PLUGS'
3. WATER PLANTS THOROUGHLY AFTER PLANTING TO SETTLE SOIL.




1/1 GROUNDCOVER PLANTING DETAIL
NOT TO SCALE

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North Landscape Plan
The Central at The Forge
City of Madison
Dane County, Wisconsin

| REVISIONS | | | |
|---|---|---|---|
| NO. | DATE | REMARKS | |
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| REVISIONS | | | |
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| NO. | DATE | REMARKS | |
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DATE 11–02–2025
DRAFTER EGOR
CHECKED JUL
PROJECT NO. 240832

L101

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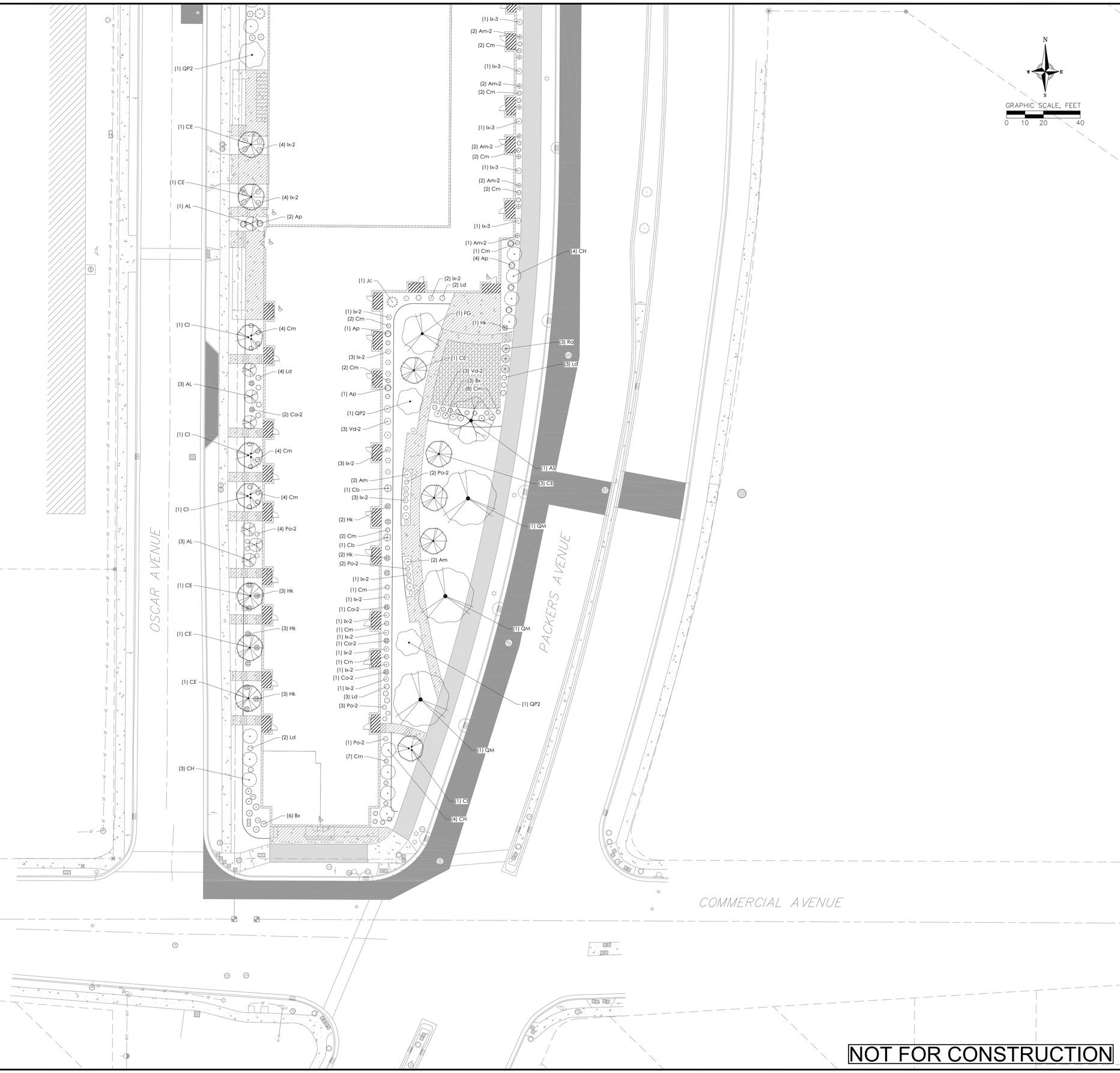



vierbicher
planners engineers advisors

# South Landscape Plan

The Central at The Forge
City of Madison
Dane County, Wisconsin

| REVISIONS | | | |
|---|---|---|---|
| NO. | DATE | REMARKS | |
| | | | |

| REVISIONS | | | |
|---|---|---|---|
| NO. | DATE | REMARKS | |
| | | | |

DATE
11-02-2025

DRAFTER
EGOR

CHECKED
JJL

PROJECT NO.
240832

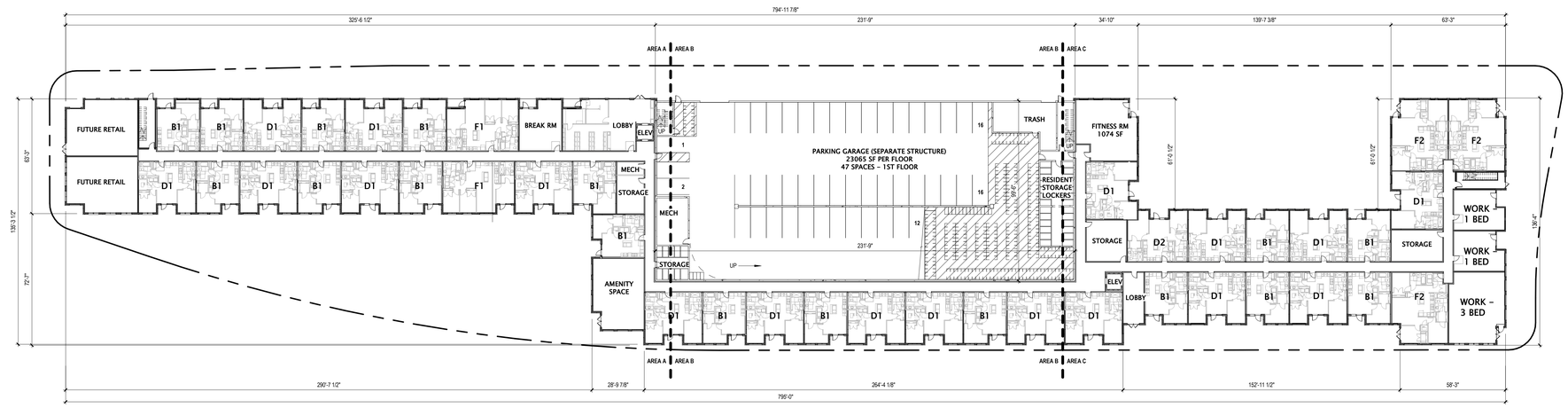
L102

NOT FOR CONSTRUCTION

31 Oct 2025 - 4:49p C:\Users\JJL\appdata\local\temp\AcPublish_13248\240382_Landscape_Plan.dwg by: JJL

## GENERAL PLAN NOTES

1. BUILDING DIMENSIONS ARE TO OUTSIDE FACE OF STUD OR MASONRY WALLS UNLESS OTHERWISE NOTED.
2. WINDOW & DOOR LOCATION DIMENSIONS ARE TO CENTERLINE OF WINDOW/DOOR UNLESS OTHERWISE NOTED. CONTRACTOR SHALL VERIFY ALL ROUGH OPENINGS WITH MANUFACTURER.
3. VERIFY ALL STRUCTURAL MEMBER SIZE, SPACING, REINFORCING, AND BRACING WITH STRUCTURAL DRAWINGS.
4. ALL WOOD EXPOSED TO THE EXTERIOR OR IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
5. VERIFY ALL WINDOW, DOOR, TUB, SHOWER, FIREPLACE, APPLIANCE, EQUIPMENT, ETC. ROUGH OPENINGS & CLEARANCE REQUIREMENTS WITH MANUFACTURER.
6. PROVIDE SOUND BATT INSULATION AT ALL WALLS SURROUNDING BATHROOMS, LAUNDRY ROOMS/ CLOSETS, MECHANICAL ROOMS/ CLOSETS, AND OTHER PLUMBING WALLS.
7. PROVIDE BLOCKING AT ALL GRAB BAR LOCATIONS - INCLUDING LOCATIONS OF FUTURE GRAB BARS & SEATS IN BATHROOMS DESIGNATED AS ACCESSIBLE.
8. PROVIDE FIREBLOCKING PER 2015 IBC 718.2.1 - TYPICAL THROUGHOUT ENTIRE BUILDING.
9. FIELD VERIFY ALL CABINETRY LAYOUTS AND COORDINATE WITH THE DIMENSIONAL REQUIREMENTS OF ALL APPLIANCES & FIXTURES. PROVIDE FINISHED END PANELS AT ALL EXPOSED CABINETRY ENDS.
10. CAULK AT PERIMETER OF ALL TUB & SHOWER ENCLOSURES. CAULK AT PERIMETER OF ALL COUNTERTOP BACKSPLASHES & SIDESPLASHES.
11. INSTALL FIXTURES, ACCESSORIES, ETC. ACCORDING TO THE MOUNTING HEIGHT SCHEDULE.
12. ALL WINDOWS & PATIO DOORS SHALL BE AS SPECIFIED IN THE SCOPE SPECIFICATIONS AND AS INDICATED ON THE EXTERIOR MATERIAL AND WINDOW SCHEDULES.




16 FIRST FLOOR PLAN - OVERALL
1" = 30'-0"

JLA ARCHITECTS
MADISON | MILWAUKEE | DENVER
JLA-AP.COM

JLA PROJECT NUMBER: W24-0805

# CENTRAL AT THE FORGE

UDC SUBMITTAL

**PROGRESS DOCUMENTS**

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DATE OF ISSUANCE 11/03/2025

REVISION SCHEDULE

| Mark | Description | Date |
|---|---|---|

SHEET TITLE

FIRST FLOOR PLAN - OVERALL

SHEET NUMBER

A101

11/3/2025 9:21:23 AM

## GENERAL PLAN NOTES

1. BUILDING DIMENSIONS ARE TO OUTSIDE FACE OF STUD OR MASONRY WALLS UNLESS OTHERWISE NOTED.
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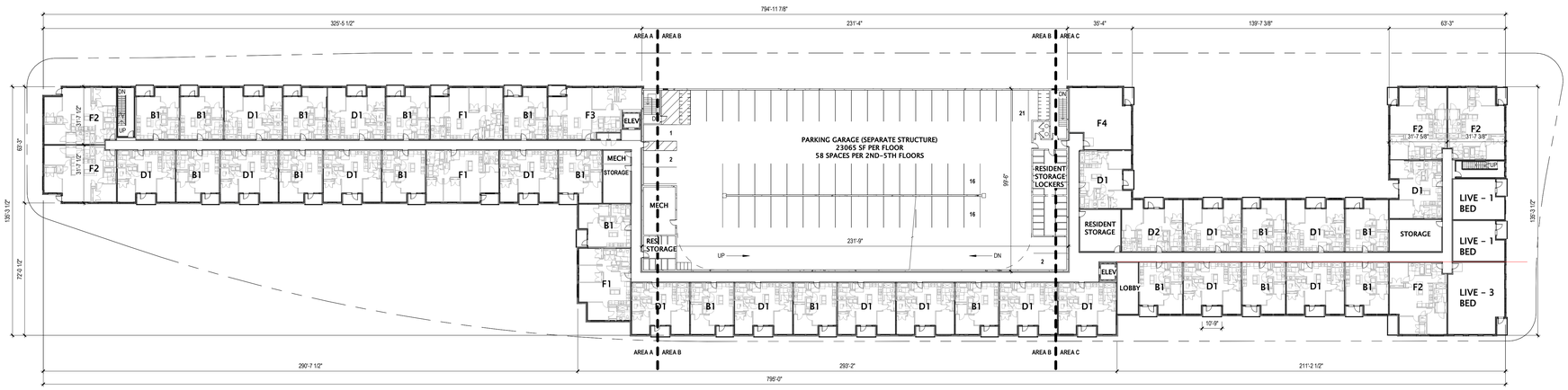


16 SECOND FLOOR PLAN - OVERALL
1" = 30'-0"

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MADISON | MILWAUKEE | DENVER
JLA-AP.COM

JLA PROJECT NUMBER: W24-0805

CENTRAL AT THE FORGE

UDC SUBMITTAL

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The seal & signature by the Architect of Record for this sheet is affixed to Sheet G001, which identifies this sheet as part of the sealed & signed document set in the set's index list

DATE OF ISSUANCE 11/03/2025

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| Mark | Description | Date |
|---|---|---|

SHEET TITLE

SECOND-FOURTH FLOOR PLANS - OVERALL

SHEET NUMBER

A102

11/3/2025 9:21:27 AM

## GENERAL PLAN NOTES

1. BUILDING DIMENSIONS ARE TO OUTSIDE FACE OF STUD OR MASONRY WALLS UNLESS OTHERWISE NOTED.
2. WINDOW & DOOR LOCATION DIMENSIONS ARE TO CENTERLINE OF WINDOW/DOOR UNLESS OTHERWISE NOTED. CONTRACTOR SHALL VERIFY ALL ROUGH OPENINGS WITH MANUFACTURER.
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8. PROVIDE FIREBLOCKING PER 2015 IBC 718.2.1 - TYPICAL THROUGHOUT ENTIRE BUILDING.
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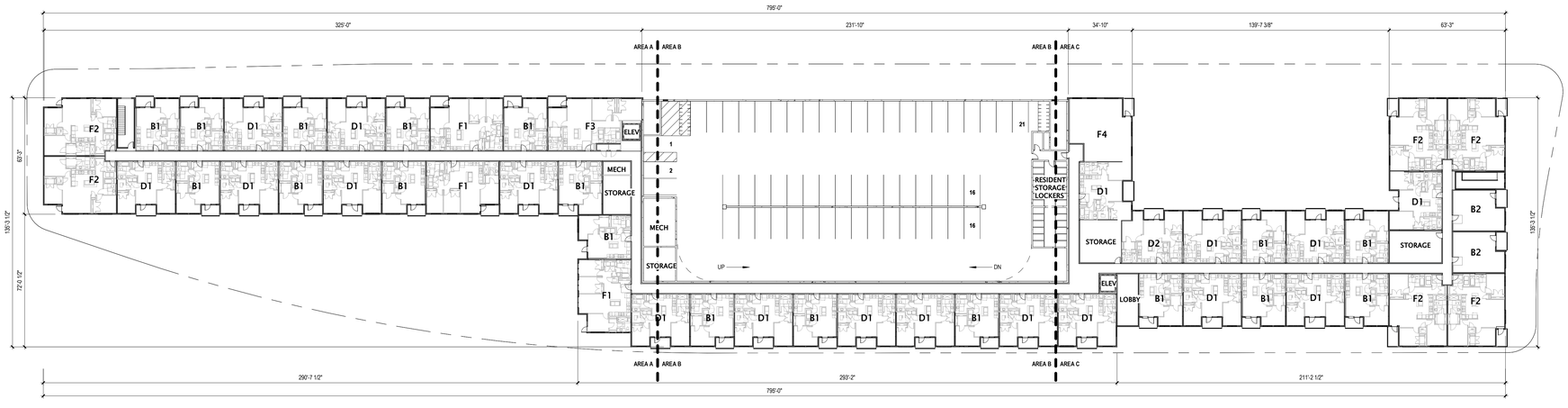


16 FIFTH FLOOR PLAN - OVERALL
1" = 30'-0"

JLA ARCHITECTS
MADISON | MILWAUKEE | DENVER
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JLA PROJECT NUMBER: W24-0805

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SHEET TITLE

FIFTH FLOOR PLAN - OVERALL

SHEET NUMBER

A105

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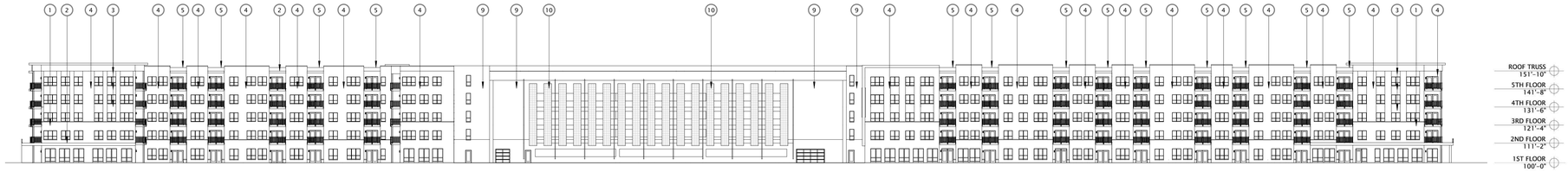
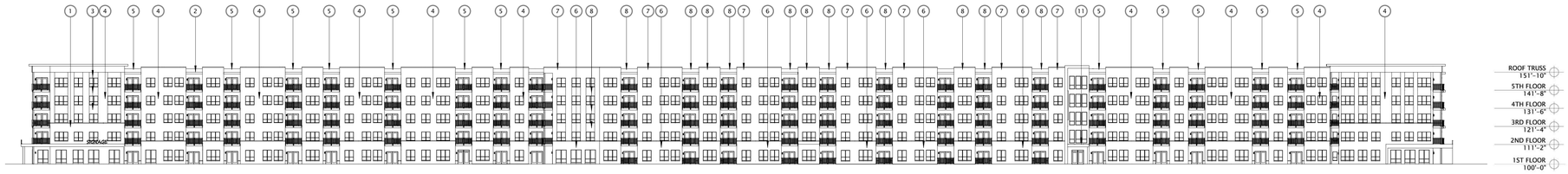


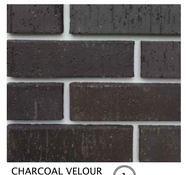

WEST ELEVATION
SCALE: 1" = 30'-0"




EAST ELEVATION
SCALE: 1" = 30'-0"

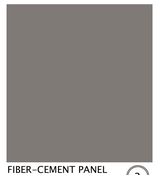
NORTH ELEVATION
SCALE: 1" = 30'-0"

SOUTH ELEVATION
SCALE: 1" = 30'-0"



CHARCOAL VELOUR (YANKEE HILL BRICK) 1

FIBER-CEMENT PANEL NIGHT GRAY (SMOOTH) 2



FIBER-CEMENT PANEL AGED PEWTER (SMOOTH) 3

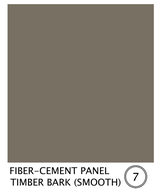


FIBER-CEMENT PANEL ARCTIC WHITE (SMOOTH) 4

FIBER-CEMENT PANEL RUSTIC ROSEWOOD (TEXTURED) 5

NORTH/SOUTH BUILDINGS

PIONEER BLEND (BOWERSTON BRICK) 6

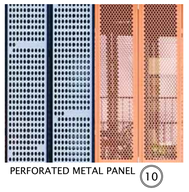


FIBER-CEMENT PANEL TIMBER BARK (SMOOTH) 7

FIBER-CEMENT SIDING MONTEREY TAUPE (SMOOTH) 8

MIDDLE BUILDING

PRECAST CONCRETE PANEL (SMOOTH) 9

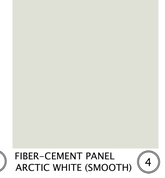


PERFORATED METAL PANEL 10

PARKING STRUCTURE

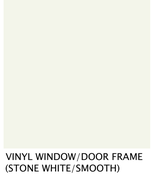
FIBER-CEMENT PANEL RUSTIC ROSEWOOD (TEXTURED) 5

FIBER-CEMENT PANEL COUNTRYLANE RED (SMOOTH) 11



FIBER-CEMENT PANEL ARCTIC WHITE (SMOOTH) 4

ENTRANCE CANOPY



VINYL WINDOW/DOOR FRAME (STONE WHITE/SMOOTH)

WINDOW/DOOR FRAME

JLA ARCHITECTS
MADISON | MILWAUKEE | DENVER
JLA-AP.COM

JLA PROJECT NUMBER: W24-0805

# CENTRAL AT THE FORGE

CITY OF MADISON LAND USE & UDC SUBMITTAL

**PROGRESS DOCUMENTS**

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DATE OF ISSUANCE 11/03/2025

REVISION SCHEDULE

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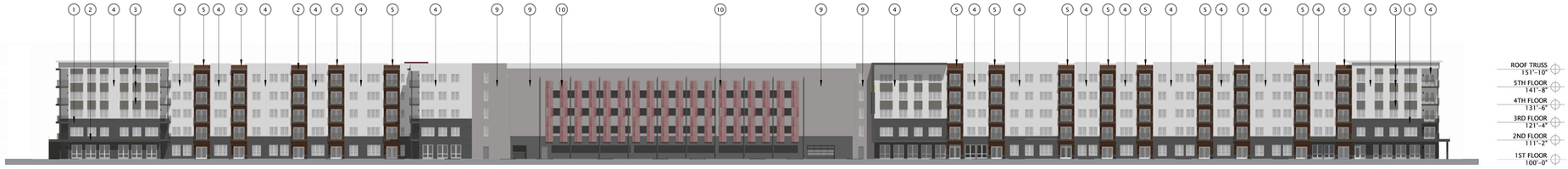
SHEET TITLE

EXTERIOR ELEVATIONS (BLACK/WHITE)

SHEET NUMBER

A200

10/30/2025 4:44:46 PM




WEST ELEVATION
SCALE: 1" = 30'-0"

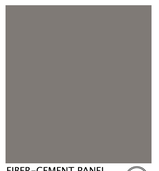
EAST ELEVATION
SCALE: 1" = 30'-0"

NORTH ELEVATION
SCALE: 1" = 30'-0"

SOUTH ELEVATION
SCALE: 1" = 30'-0"

CHARCOAL VELOUR (YANKEE HILL BRICK) 1

FIBER-CEMENT PANEL NIGHT GRAY (SMOOTH) 2



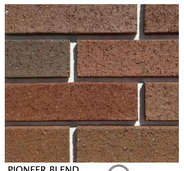
FIBER-CEMENT PANEL AGED PEWTER (SMOOTH) 3



FIBER-CEMENT PANEL ARCTIC WHITE (SMOOTH) 4

FIBER-CEMENT PANEL RUSTIC ROSEWOOD (TEXTURED) 5

NORTH/SOUTH BUILDINGS



PIONEER BLEND (BOWERSTON BRICK) 6

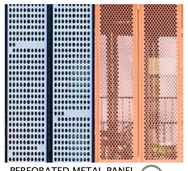
FIBER-CEMENT PANEL TIMBER BARK (SMOOTH) 7

FIBER-CEMENT SIDING MONTEREY TAUPE (SMOOTH) 8

MIDDLE BUILDING



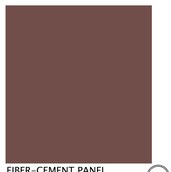
PRECAST CONCRETE PANEL (SMOOTH) 9



PERFORATED METAL PANEL 10

PARKING STRUCTURE

FIBER-CEMENT PANEL RUSTIC ROSEWOOD (TEXTURED) 5



FIBER-CEMENT PANEL COUNTRYLANE RED (SMOOTH) 11



FIBER-CEMENT PANEL ARCTIC WHITE (SMOOTH) 4

ENTRANCE CANOPY



VINYL WINDOW/DOOR FRAME (STONE WHITE/SMOOTH)

WINDOW/DOOR FRAME

JLA ARCHITECTS
MADISON | MILWAUKEE | DENVER
JLA-AP.COM

JLA PROJECT NUMBER: W24-0805

# CENTRAL AT THE FORGE

CITY OF MADISON LAND USE & UDC SUBMITTAL

**PROGRESS DOCUMENTS**

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

The seal & signature by the Architect of Record for this sheet is affixed to Sheet G001, which identifies this sheet as part of the sealed & signed document set in the set's index list

DATE OF ISSUANCE 11/03/2025

REVISION SCHEDULE

| Mark | Description | Date |
|---|---|---|

SHEET TITLE

EXTERIOR ELEVATIONS (COLORED)

SHEET NUMBER

A201

10/30/2025 4:44:48 PM

NORTHEAST ELEVATION VIEW

JLA
ARCHITECTS
MADISON | MILWAUKEE | DENVER
JLA-AP.COM

JLA PROJECT NUMBER: W24-0805

CENTRAL AT THE FORGE

UDC SUBMITTAL

**PROGRESS DOCUMENTS**

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DATE OF ISSUANCE 11/03/2025

REVISION SCHEDULE

| Mark | Description | Date |
|---|---|---|

SHEET TITLE

3D EXTERIOR VIEW

SHEET NUMBER

A950

10/31/2025 10:29:17 AM

NORTHEAST ELEVATION VIEW AT DUSK

JLA
ARCHITECTS
MADISON | MILWAUKEE | DENVER
JLA-AP.COM

JLA PROJECT NUMBER: W24-0805

CENTRAL AT THE FORGE

UDC SUBMITTAL

**PROGRESS DOCUMENTS**

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DATE OF ISSUANCE 11/03/2025

REVISION SCHEDULE

| Mark | Description | Date |
|---|---|---|

SHEET TITLE

3D EXTERIOR VIEW

SHEET NUMBER

A951

10/31/2025 10:29:17 AM

NORTHWEST ELEVATION VIEW

JLA
ARCHITECTS
MADISON | MILWAUKEE | DENVER
JLA-AP.COM

JLA PROJECT NUMBER: W24-0805

CENTRAL AT THE FORGE

UDC SUBMITTAL

**PROGRESS DOCUMENTS**

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DATE OF ISSUANCE 11/03/2025

REVISION SCHEDULE

| Mark | Description | Date |
|---|---|---|

SHEET TITLE

3D EXTERIOR VIEW

SHEET NUMBER

A952

10/31/2025 10:29:18 AM

SOUTHWEST ELEVATION VIEW

JLA
ARCHITECTS
MADISON | MILWAUKEE | DENVER
JLA-AP.COM

JLA PROJECT NUMBER: W24-0805

CENTRAL AT THE FORGE

UDC SUBMITTAL

**PROGRESS DOCUMENTS**

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DATE OF ISSUANCE 11/03/2025

REVISION SCHEDULE

| Mark | Description | Date |
|---|---|---|

SHEET TITLE

3D EXTERIOR VIEW

SHEET NUMBER

A953

10/31/2025 10:29:18 AM

SOUTHWEST ELEVATION VIEW AT DUSK

JLA
ARCHITECTS
MADISON | MILWAUKEE | DENVER
JLA-AP.COM

JLA PROJECT NUMBER: W24-0805

CENTRAL AT THE FORGE

UDC SUBMITTAL

**PROGRESS DOCUMENTS**

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DATE OF ISSUANCE 11/03/2025

REVISION SCHEDULE

| Mark | Description | Date |
|---|---|---|

SHEET TITLE

3D EXTERIOR VIEW

SHEET NUMBER

A954

10/31/2025 10:29:19 AM

WEST ELEVATION VIEW

10/31/2025 10:29:19 AM

JLA
ARCHITECTS
MADISON | MILWAUKEE | DENVER
JLA-AP.COM

JLA PROJECT NUMBER: W24-0805

CENTRAL AT THE FORGE

UDC SUBMITTAL

**PROGRESS DOCUMENTS**

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DATE OF ISSUANCE 11/03/2025

REVISION SCHEDULE

| Mark | Description | Date |
|---|---|---|

SHEET TITLE

3D EXTERIOR VIEW

SHEET NUMBER

A955

WEST ELEVATION WALK-UP UNITS

JLA
ARCHITECTS
MADISON | MILWAUKEE | DENVER
JLA-AP.COM

JLA PROJECT NUMBER: W24-0805

CENTRAL AT THE FORGE

UDC SUBMITTAL

**PROGRESS DOCUMENTS**

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

DATE OF ISSUANCE 11/03/2025

REVISION SCHEDULE

| Mark | Description | Date |
|---|---|---|

SHEET TITLE

3D EXTERIOR VIEW

SHEET NUMBER

A956

10/31/2025 10:29:19 AM

EAST ELEVATION WALK-UP UNITS

JLA
ARCHITECTS
MADISON | MILWAUKEE | DENVER
JLA-AP.COM

JLA PROJECT NUMBER: W24-0805

# CENTRAL AT THE FORGE

UDC SUBMITTAL

**PROGRESS DOCUMENTS**

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DATE OF ISSUANCE 11/03/2025

REVISION SCHEDULE

| Mark | Description | Date |
|---|---|---|

SHEET TITLE

3D EXTERIOR VIEW

SHEET NUMBER

A957

10/31/2025 10:29:19 AM

NOTES:

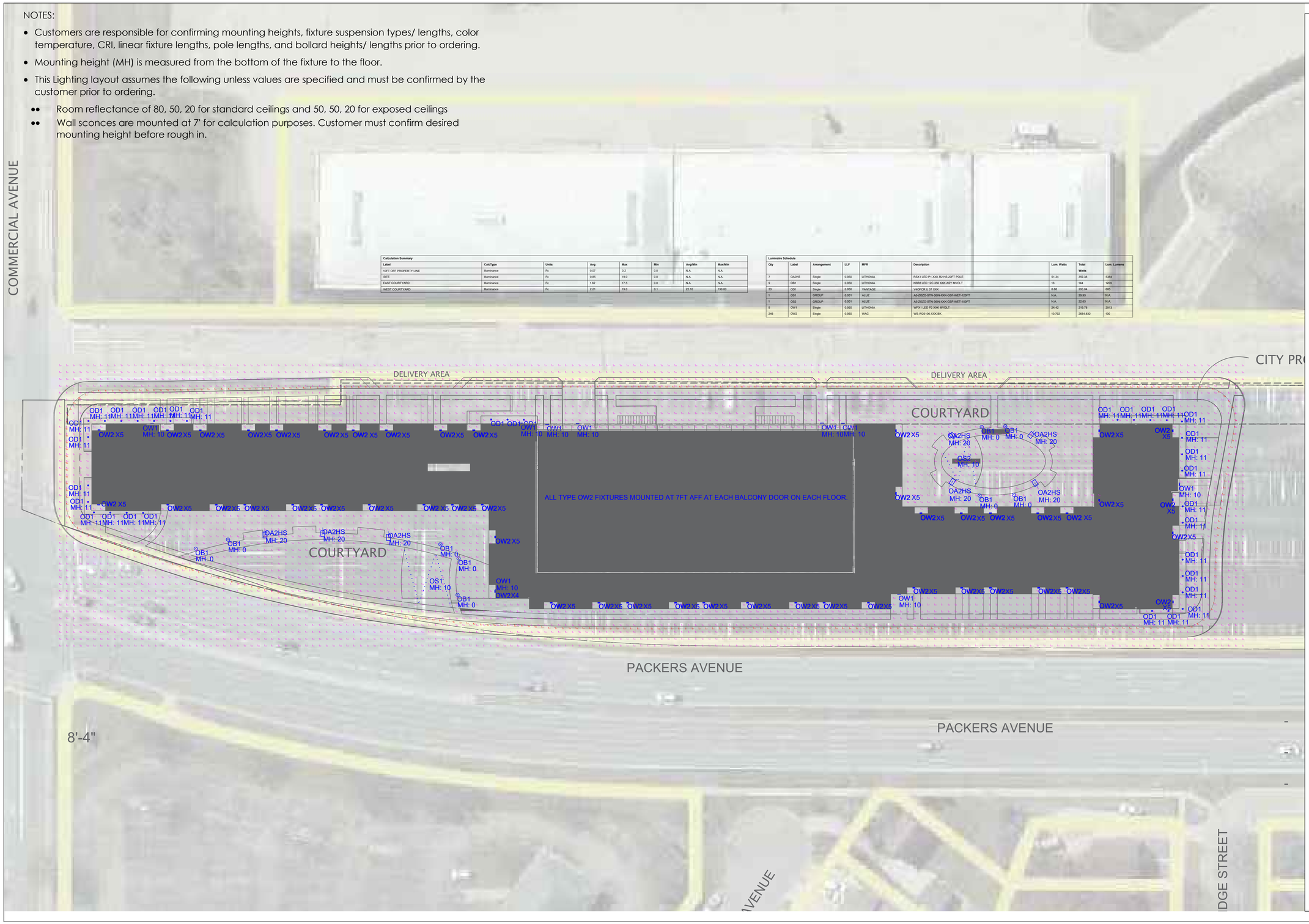
- Customers are responsible for confirming mounting heights, fixture suspension types/ lengths, color temperature, CRI, linear fixture lengths, pole lengths, and bollard heights/ lengths prior to ordering.
- Mounting height (MH) is measured from the bottom of the fixture to the floor.
- This Lighting layout assumes the following unless values are specified and must be confirmed by the customer prior to ordering.
  - Room reflectance of 80, 50, 20 for standard ceilings and 50, 50, 20 for exposed ceilings
  - Wall sconces are mounted at 7' for calculation purposes. Customer must confirm desired mounting height before rough in.

**Calculation Summary**

| Label | CalcType | Units | Avg | Max | Min | Avg/Min | Max/Min |
|---|---|---|---|---|---|---|---|
| 10FT OFF PROPERTY LINE | Illuminance | Fc | 0.07 | 0.2 | 0.0 | N.A. | N.A. |
| SITE | Illuminance | Fc | 0.85 | 19.0 | 0.0 | N.A. | N.A. |
| EAST COURTYARD | Illuminance | Fc | 1.62 | 17.5 | 0.0 | N.A. | N.A. |
| WEST COURTYARD | Illuminance | Fc | 2.21 | 19.0 | 0.1 | 22.10 | 190.00 |

**Luminaire Schedule**

| Qty | Label | Arrangement | LLF | MFR | Description | Lum. Watts | Total Watts | Lum. Lumens |
|---|---|---|---|---|---|---|---|---|
| 7 | OA2HS | Single | 0.950 | LITHONIA | RSX1 LED P1 XXK R2 HS 20FT POLE | 51.34 | 359.38 | 5384 |
| 9 | OB1 | Single | 0.950 | LITHONIA | KBR8 LED 12C 350 XXK ASY MVOLT | 16 | 144 | 1209 |
| 33 | OD1 | Single | 0.950 | VANTAGE | VHOFCR U 07 XXK | 8.88 | 293.04 | 685 |
| 1 | OS1 | GROUP | 0.001 | ALUZ | AS-2O2O-ST%-36IN-XXK-GSF-WET-120FT | N.A. | 29.93 | N.A. |
| 1 | OS2 | GROUP | 0.001 | ALUZ | AS-2O2O-ST%-36IN-XXK-GSF-WET-100FT | N.A. | 22.83 | N.A. |
| 9 | OW1 | Single | 0.950 | LITHONIA | WPX1 LED P2 XXK MVOLT | 24.42 | 219.78 | 2913 |
| 246 | OW2 | Single | 0.950 | WAC | WS-W2510-XXK-BK | 10.792 | 2654.832 | 130 |




ENTERPRISE
Lighting & Control

| # | DATE | COMMENTS |
|---|---|---|
| | | |

REVISIONS

DRAWN BY : BB
DATE : OCT 31, 2025
SCALE : 1/32" = 1'-0"

CENTRAL AT THE FORGE
MADISON, WI
SITE LIGHTING LAYOUT

Enterprise Lighting Ltd
Manufacturers' Representative

**Date: Oct 31, 2025**

Enterprise Lighting, LTD.
2007 Pewaukee Rd.
Waukesha WI 53188
Phone: (262) 953-2700

Job Name
**Central at the Forge**
ELL25-142749
Madison WI

Bid Date
Oct 24, 2025

Submittal Date
Oct 27, 2025

Enterprise Lighting Ltd
*Manufacturers' Representative*

# Transmittal

Enterprise Lighting, LTD.
2007 Pewaukee Rd.
Waukesha WI 53188
Phone: (262) 953-2700
**From: Bonnie Bartlein**

**Project** **Central at the Forge**
**Quote#** ELL25-142749
**Location** Madison WI
Contact:

ATTACHED WE ARE SENDING YOU 1 COPY OF THE FOLLOWING ITEM:

- ☒ Drawings
- ☐ Prints
- ☐ Plans
- ☐ Specifications
- ☐ Information
- ☐ Submittals

Other:

THESE ARE TRANSMITTED FOR:

- ☐ Prior Approval
- ☒ Approval
- ☐ Approval as Submitted
- ☐ Approval as Noted
- ☐ Resubmittal for Approval
- ☐ Corrections
- ☐ Your Use
- ☐ Review and Comment
- ☐ Record

Bids due on:
Other:

| Type | MFG | Part |
|---|---|---|
| OA2HS | Lithonia Exterior | RSX1 LED P1 XXK R2 MVOLT SPA HS STD FINISH |
| OA2HS | Utility Metals- aka Fabricated Metals | SSS4-11-20-DM19AS-STD FINISH |
| OB1 | Lithonia Exterior | KBR8 LED 12C 350 XXK ASY MVOLT STD FINISH |
| OD1 | Vantage Luminaires | V4OFCRU-07-XXK-F4060-REFLECTOR-SDM |
| OS1 | ALUZ aka CA Accent Lighting Inc CA | A5-ZOZO-STN-36IN-XXK-GSF-WET-120FT |
| OS2 | ALUZ aka CA Accent Lighting Inc CA | A5-ZOZO-STN-36IN-XXK-GSF-WET-100FT |
| OW1 | Lithonia Exterior | WPX1 LED P2 XXK MVOLT STD FINISH |
| OW2 | WAC Lighting | WS-W25106-XX-BK |

# RSX1 LED
## Area Luminaire

Catalog Number

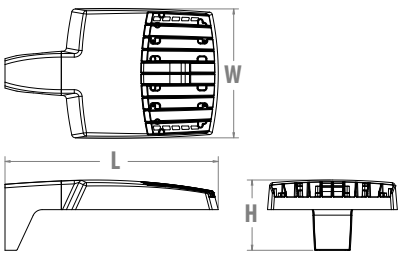
Notes

Type

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

## Specifications

| | |
|---|---|
| **EPA (ft²@0°):** | 0.57 ft² (0.05 m²) |
| **Length:** | 21.8" (55.4 cm) (SPA mount) |
| **Width:** | 13.3" (33.8 cm) |
| **Height:** | 3.0" (7.6 cm) Main Body 7.2" (18.4 cm) Arm |
| **Weight: (SPA mount):** | 22.0 lbs (10.0 kg) |




## Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX1 delivers 7,000 to 17,000 lumens allowing it to replace 70W to 400W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.

design select

Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Design Select options indicated by this color background.

## Ordering Information

**EXAMPLE:** RSX1 LED P4 40K R3 MVOLT SPA DDBXD

| RSX1 LED | | XXK = Specify | | | |
|---|---|---|---|---|---|
| **Series** | **Performance Package** | **Color Temperature** | **Distribution** | **Voltage** | **Mounting** |
| RSX1 LED | P1 | 30K 3000K | R2 Type 2 Wide | MVOLT (120V-277V) [2] | SPA Square pole mounting (3.0" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°) |
| | P2 | 40K 4000K | R3 Type 3 Wide | HVOLT (347V-480V) [3] | RPA Round pole mounting (3.2" min. dia. RND pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 1 at 90°, 2 at 180°, 3 at 120°) |
| | P3 | 50K 5000K | R3S Type 3 Short | XVOLT (277V-480V) [4] | MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon) |
| | P4 | | R4 Type 4 Wide | **(use specific voltage for options as noted)** | IS Adjustable slipfitter (fits 2-3/8" OD tenon) [6] |
| | | | R4S Type 4 Short | 120 [5] 277 [5] | WBA Wall bracket [1] |
| | | | R5 Type 5 Wide [1] | 208 [5] 347 [5] | WBASC Wall bracket with surface conduit box |
| | | | R5S Type 5 Short [1] | 240 [5] 480 [5] | AASP Adjustable tilt arm square pole mounting [6] |
| | | | AFR Automotive Front Row | | AARP Adjustable tilt arm round pole mounting [6] |
| | | | AFRR90 Automotive Front Row Right Rotated | | AAWB Adjustable tilt arm with wall bracket [6] |
| | | | AFRL90 Automotive Front Row Left Rotated | | AAWSC Adjustable tilt arm wall bracket and surface conduit box [6] |

STD FINISH = Specify

### Options

**Shipped Installed**

| | |
|---|---|
| HS | House-side shield [7] |
| PE | Photocontrol, button style [8,9] |
| PER7 | Seven-wire twist-lock receptacle only (no controls) [9,10,11] |
| SF | Single fuse (120, 277, 347) [5] |
| DF | Double fuse (208, 240, 480) [5] |
| SPD20KV | 20KV Surge pack (10KV standard) |
| FAO | Field adjustable output [9] |
| DMG | 0-10V dimming extend out back of housing for external control (control ordered separate) [9] |

**Shipped Installed**

***Standalone and Networked Sensors/Controls (factory default settings, see table page 9)**

| | |
|---|---|
| NLTAIR2 PIRHN | nLight AIR generation 2, with Networked, Bi-Level motion/ambient sensor [9,12,13,14] |
| BAA | Buy America(n) Act and/or Build America Buy America Qualified |
| CCE | Coastal Construction [15] |

*Note: NLTAIR2 PIRHN with nLight Air can be used as a standalone or networked solution. Sensor coverage pattern is affected when luminaire is tilted.

**Shipped Separately (requires some field assembly)**

| | |
|---|---|
| EGS | External glare shield [7] |
| EGFV | External glare full visor (360° around light aperture) [7] |
| BS | Bird spikes [16] |

### Finish

| | |
|---|---|
| DDBXD | Dark Bronze |
| DBLXD | Black |
| DNAXD | Natural Aluminum |
| DWHXD | White |
| DDBTXD | Textured Dark Bronze |
| DBLBXD | Textured Black |
| DNATXD | Textured Natural Aluminum |
| DWHGXD | Textured White |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## Ordering Information

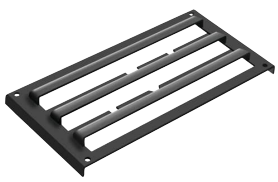
### Accessories
*Ordered and shipped separately.*

| | |
|---|---|
| RSX1HS | RSX1 House side shield (includes 1 shield) |
| RSX1HSAFRR U | RSX1 House side shield for AFR rotated optics (includes 1 shield) |
| RSX1EGS (FINISH) U | External glares hield (specify finish) |
| RSX1EGFV (FINISH) U | External glare full visor (specify finish) |
| RSXRPA (FINISH) U | RSX Universal round pole adaptor plate (specify finish) |
| RSXWBA (FINISH) U | RSX WBA wall bracket (specify finish) [1] |
| RSXSCB (FINISH) U | RSX Surface conduit box (specify finish, for use with WBA, WBA not included) |
| DLL127F 1.5 JU | Photocell -SSL twist-lock (120-277V) [17] |
| DLL347F 1.5 CUL JU | Photocell -SSL twist-lock (347V) [17] |
| DLL480F 1.5 CUL JU | Photocell -SSL twist-lock (480V) [17] |
| DSHORT SBK U | Shorting cap [17] |

**NOTES**

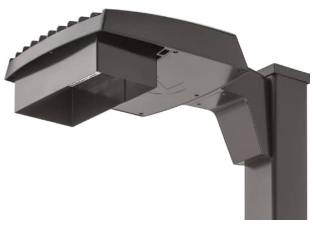
1. Type 5 distribution is not available with WBA.
2. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
3. HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
4. XVOLT driver not available with P1 or P2. XVOLT driver operates on any line voltage from 277V-480V (50/60 Hz). XVOLT not available with fusing (SF or DF) and not available with PE.
5. Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
6. Maximum tilt is 90° above horizontal.
7. It may be ordered as an accessory.
8. Requires MVOLT or 347V.
9. Two or more of the following options cannot be combined including PE, DMG, PER7, FAO and NLTAIR2 PIRHN. (Exception: PE and FAO can be combined; also PE and DMG can be combined.)
10. Compatible with standard twist-lock photocells for dusk to dawn operation or advanced control nodes that provide 0-10V dimming signals. Wire 4/Wire 5 wired to dimming leads on driver. Wire6/Wire7 capped inside luminaire. Twistlock photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
11. For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
12. Must be ordered with PIRHN.
13. Requires MVOLT or HVOLT.
14. Must be ordered with NLTAIR2. For additional information on PIRHN visit here.
15. CCE option not available with WBA, WBASC, AASP, AARP, AAWB, AAWBSC, EGS, EGFV and BS.
16. Must be ordered with fixture for factory pre-drilling.
17. Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

## External Shields



House Side Shield

External Glare Shield

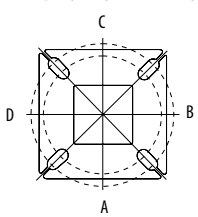


External 360 Full Visor

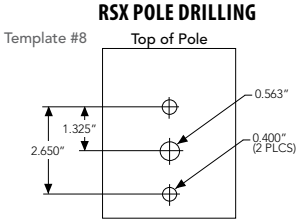
## Pole/Mounting Informatiion

Accessories including bullhorns, cross arms and other adpaters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit Accessories.

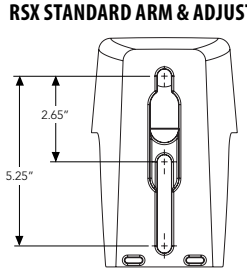
### HANDHOLE ORIENTATION




### RSX POLE DRILLING




### RSX STANDARD ARM & ADJUSTABLE ARM




### Round Tenon Mount - Pole Top Slipfitters

| Tenon O.D. | RSX Mounting | Single | 2 at 180° | 2 at 90° | 3 at 120° | 3 at 90° | 4 at 90° |
|---|---|---|---|---|---|---|---|
| 2 - 3/8" | RPA, AARP | AS3-5 190 | AS3-5 280 | AS3-5 290 | AS3-5 320 | AS3-5 390 | AS3-5 490 |
| 2 - 7/8" | RPA, AARP | AST25-190 | AST25-280 | AST25-290 | AST25-320 | AST25-390 | AST25-490 |
| 4" | RPA, AARP | AST35-190 | AST35-280 | AST35-290 | AST35-320 | AST35-390 | AST35-490 |

### Drill/Side Location by Configuration Type

| Drilling Template | Mounting Option | Single | 2 @ 180 | 2 @ 90 | 3 @ 120 | 3 @ 90 | 4 @ 90 |
|---|---|---|---|---|---|---|---|
| | **Head Location** | Side B | Side B & D | Side B & C | Round Pole Only | Side B, C & D | Side A, B, C & D |
| **#8** | **Drill Nomenclature** | DM19AS | DM28AS | DM29AS | DM32AS | DM39AS | DM49AS |

### RSX1 - Luminaire EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

| Fixture Quantity & Mounting Configuration | | Single | 2 @ 90 | 2 @ 180 | 3 @ 90 | 3 @ 120 | 4 @ 90 | 2 Side by Side | 3 Side by Side | 4 Side by Side |
|---|---|---|---|---|---|---|---|---|---|---|
| **Mounting Type** | **Tilt** | | | | | | | | | |
| **SPA - Square Pole Adaptor** | 0° | 0.57 | 1.03 | 1.05 | 1.52 | 1.36 | 2.03 | 1.31 | 1.7 | 2.26 |
| **RPA - Round Pole Adaptor** | | 0.62 | 1.08 | 1.15 | 1.62 | 1.46 | 2.13 | 1.36 | 1.8 | 2.36 |
| **MA - Mast Arm Adaptor** | | 0.49 | 0.95 | 0.89 | 1.36 | 1.2 | 1.87 | 1.23 | 1.54 | 2.1 |
| | | | | | | | | | | |
| **IS - Integral Slipfitter AASP/AARP - Adjustable Arm Square/Round Pole** | 0° | 0.57 | 1.03 | 1.05 | 1.52 | 1.36 | 2.03 | 1.31 | 1.7 | 2.26 |
| | 10° | 0.68 | 1.34 | 1.33 | 2 | 1.74 | 2.64 | 1.35 | 2.03 | 2.71 |
| | 20° | 0.87 | 1.71 | 1.73 | 2.56 | 2.26 | 3.42 | 1.75 | 2.62 | 3.49 |
| | 30° | 1.24 | 2.19 | 2.3 | 3.21 | 2.87 | 4.36 | 2.49 | 3.73 | 4.97 |
| | 40° | 1.81 | 2.68 | 2.98 | 3.85 | 3.68 | 5.30 | 3.62 | 5.43 | 7.24 |
| | 45° | 2.11 | 2.92 | 3.44 | 4.2 | 4.08 | 5.77 | 4.22 | 6.33 | 8.44 |
| | 50° | 2.31 | 3.17 | 3.72 | 4.52 | 4.44 | 6.26 | 4.62 | 6.94 | 9.25 |
| | 60° | 2.71 | 3.66 | 4.38 | 5.21 | 5.15 | 7.24 | 5.43 | 8.14 | 10.86 |
| | 70° | 2.78 | 3.98 | 4.54 | 5.67 | 5.47 | 7.91 | 5.52 | 8.27 | 11.03 |
| | 80° | 2.76 | 4.18 | 4.62 | 5.97 | 5.76 | 8.31 | 5.51 | 8.27 | 11.03 |
| | 90° | 2.73 | 4.25 | 4.64 | 6.11 | 5.91 | 8.47 | 5.45 | 8.18 | 10.97 |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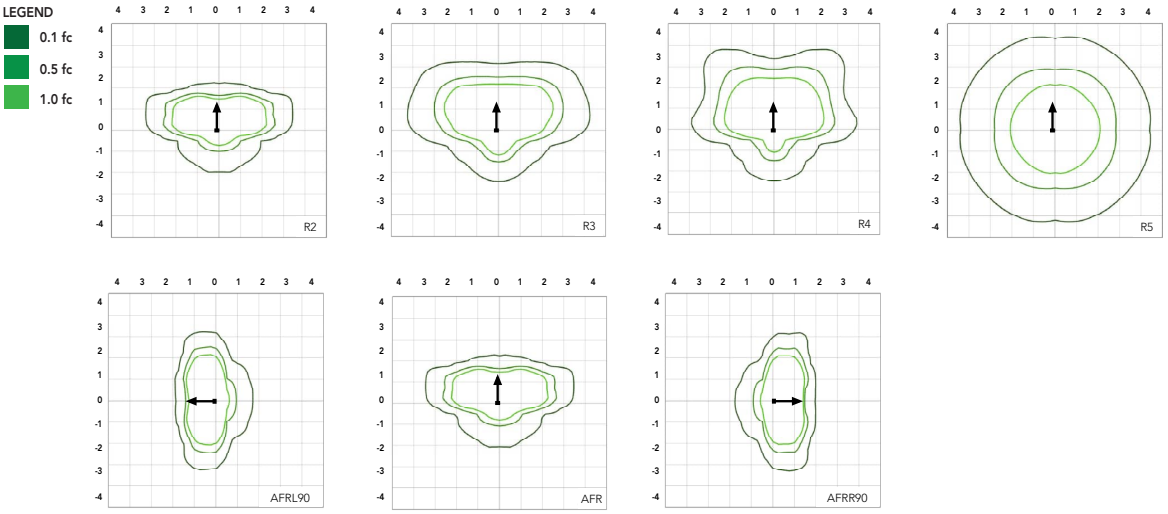
## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's RSX Area homepage.

Isofootcandle plots for the RSX1 LED P4 40K. Distances are in units of mounting height (20').




## Performance Data

### Lumen Ambient Temperature (LAT) Multipliers

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

| Ambient | Ambient | Lumen Multiplier |
|---|---|---|
| 0°C | 32°F | 1.05 |
| 5°C | 41°F | 1.04 |
| 10°C | 50°F | 1.03 |
| 15°C | 59°F | 1.02 |
| 20°C | 68°F | 1.01 |
| 25°C | 77°F | 1.00 |
| 30°C | 86°F | 0.99 |
| 35°C | 95°F | 0.98 |
| 40°C | 104°F | 0.97 |
| 45°C | 113°F | 0.96 |
| 50°C | 122°F | 0.95 |

### Electrical Load

| | | Current (A) | | | | | |
|---|---|---|---|---|---|---|---|
| Performance Package | System Watts (W) | 120V | 208V | 240V | 277V | 347V | 480V |
| P1 | 51W | 0.42 | 0.25 | 0.21 | 0.19 | 0.14 | 0.11 |
| P2 | 72W | 0.60 | 0.35 | 0.30 | 0.26 | 0.21 | 0.15 |
| P3 | 109W | 0.91 | 0.52 | 0.45 | 0.39 | 0.31 | 0.23 |
| P4 | 133W | 1.11 | 0.64 | 0.55 | 0.48 | 0.38 | 0.27 |

### Projected LED Lumen Maintenance

| Operating Hours | 50,000 | 75,000 | 100,000 |
|---|---|---|---|
| Lumen Maintenance Factor | >0.97 | >0.95 | >0.92 |

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.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## Performance Data

### Lumen Output

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

| Performance Package | System Watts | Distribution. Type | 30K (3000K, 70 CRI) | | | | | 40K (4000K, 70 CRI) | | | | | 50K (5000K, 70 CRI) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW |
| P1 | 51W | R2 | 6,482 | 1 | 0 | 1 | 126 | 7,121 | 1 | 0 | 1 | 139 | 7,121 | 1 | 0 | 1 | 139 |
| | | R3 | 6,459 | 1 | 0 | 2 | 127 | 7,096 | 1 | 0 | 2 | 139 | 7,096 | 1 | 0 | 2 | 139 |
| | | R3S | 6,631 | 1 | 0 | 1 | 129 | 7,286 | 1 | 0 | 2 | 142 | 7,286 | 1 | 0 | 2 | 142 |
| | | R4 | 6,543 | 1 | 0 | 2 | 128 | 7,189 | 1 | 0 | 2 | 141 | 7,189 | 1 | 0 | 2 | 141 |
| | | R4S | 6,313 | 1 | 0 | 1 | 124 | 6,936 | 1 | 0 | 1 | 136 | 6,936 | 1 | 0 | 1 | 136 |
| | | R5 | 6,631 | 3 | 0 | 2 | 130 | 7,286 | 3 | 0 | 2 | 143 | 7,286 | 3 | 0 | 2 | 143 |
| | | R5S | 6,807 | 3 | 0 | 1 | 133 | 7,479 | 3 | 0 | 1 | 147 | 7,479 | 3 | 0 | 1 | 147 |
| | | AFR | 6,473 | 1 | 0 | 1 | 127 | 7,112 | 1 | 0 | 1 | 139 | 7,112 | 1 | 0 | 1 | 139 |
| | | AFRR90 | 6,535 | 2 | 0 | 2 | 127 | 7,179 | 2 | 0 | 2 | 140 | 7,179 | 2 | 0 | 2 | 140 |
| | | AFRL90 | 6,562 | 2 | 0 | 1 | 128 | 7,210 | 2 | 0 | 2 | 140 | 7,210 | 2 | 0 | 2 | 140 |
| P2 | 72W | R2 | 8,991 | 2 | 0 | 1 | 123 | 9,878 | 2 | 0 | 1 | 135 | 9,878 | 2 | 0 | 1 | 135 |
| | | R3 | 8,959 | 2 | 0 | 2 | 124 | 9,843 | 2 | 0 | 2 | 137 | 9,843 | 2 | 0 | 2 | 137 |
| | | R3S | 9,198 | 2 | 0 | 2 | 126 | 10,106 | 2 | 0 | 2 | 139 | 10,106 | 2 | 0 | 2 | 139 |
| | | R4 | 9,077 | 2 | 0 | 2 | 126 | 9,972 | 2 | 0 | 2 | 139 | 9,972 | 2 | 0 | 2 | 139 |
| | | R4S | 8,757 | 1 | 0 | 2 | 122 | 9,622 | 2 | 0 | 2 | 134 | 9,622 | 2 | 0 | 2 | 134 |
| | | R5 | 9,198 | 4 | 0 | 2 | 128 | 10,106 | 4 | 0 | 2 | 140 | 10,106 | 4 | 0 | 2 | 140 |
| | | R5S | 9,443 | 3 | 0 | 1 | 131 | 10,374 | 3 | 0 | 1 | 144 | 10,374 | 3 | 0 | 1 | 144 |
| | | AFR | 8,979 | 2 | 0 | 1 | 125 | 9,865 | 2 | 0 | 1 | 137 | 9,865 | 2 | 0 | 1 | 137 |
| | | AFRR90 | 9,064 | 3 | 0 | 2 | 124 | 9,959 | 3 | 0 | 2 | 137 | 9,959 | 3 | 0 | 2 | 137 |
| | | AFRL90 | 9,102 | 3 | 0 | 2 | 125 | 10,001 | 3 | 0 | 2 | 137 | 10,001 | 3 | 0 | 2 | 137 |
| P3 | 109W | R2 | 12,808 | 2 | 0 | 1 | 117 | 14,072 | 2 | 0 | 2 | 129 | 14,072 | 2 | 0 | 2 | 129 |
| | | R3 | 12,763 | 2 | 0 | 2 | 117 | 14,023 | 2 | 0 | 2 | 129 | 14,023 | 2 | 0 | 2 | 129 |
| | | R3S | 13,104 | 2 | 0 | 2 | 120 | 14,397 | 2 | 0 | 2 | 132 | 14,397 | 2 | 0 | 2 | 132 |
| | | R4 | 12,930 | 2 | 0 | 2 | 119 | 14,206 | 2 | 0 | 2 | 130 | 14,206 | 2 | 0 | 2 | 130 |
| | | R4S | 12,475 | 2 | 0 | 2 | 114 | 13,707 | 2 | 0 | 2 | 126 | 13,707 | 2 | 0 | 2 | 126 |
| | | R5 | 13,104 | 4 | 0 | 2 | 120 | 14,397 | 4 | 0 | 2 | 132 | 14,397 | 4 | 0 | 2 | 132 |
| | | R5S | 13,452 | 3 | 0 | 2 | 123 | 14,779 | 3 | 0 | 2 | 136 | 14,779 | 3 | 0 | 2 | 136 |
| | | AFR | 12,791 | 2 | 0 | 1 | 117 | 14,053 | 2 | 0 | 2 | 129 | 14,053 | 2 | 0 | 2 | 129 |
| | | AFRR90 | 12,913 | 3 | 0 | 3 | 118 | 14,187 | 3 | 0 | 3 | 130 | 14,187 | 3 | 0 | 3 | 130 |
| | | AFRL90 | 12,967 | 3 | 0 | 2 | 118 | 14,247 | 3 | 0 | 3 | 130 | 14,247 | 3 | 0 | 3 | 130 |
| P4 | 133W | R2 | 14,943 | 2 | 0 | 2 | 112 | 16,417 | 2 | 0 | 2 | 123 | 16,417 | 2 | 0 | 2 | 123 |
| | | R3 | 14,890 | 2 | 0 | 3 | 112 | 16,360 | 2 | 0 | 3 | 123 | 16,360 | 2 | 0 | 3 | 123 |
| | | R3S | 15,287 | 2 | 0 | 2 | 115 | 16,796 | 2 | 0 | 2 | 126 | 16,796 | 2 | 0 | 2 | 126 |
| | | R4 | 15,085 | 2 | 0 | 3 | 113 | 16,574 | 2 | 0 | 3 | 125 | 16,574 | 2 | 0 | 3 | 125 |
| | | R4S | 14,554 | 2 | 0 | 2 | 109 | 15,991 | 2 | 0 | 2 | 120 | 15,991 | 2 | 0 | 2 | 120 |
| | | R5 | 15,287 | 4 | 0 | 2 | 115 | 16,796 | 4 | 0 | 2 | 126 | 16,796 | 4 | 0 | 2 | 126 |
| | | R5S | 15,693 | 4 | 0 | 2 | 118 | 17,242 | 4 | 0 | 2 | 130 | 17,242 | 4 | 0 | 2 | 130 |
| | | AFR | 14,923 | 2 | 0 | 2 | 112 | 16,395 | 2 | 0 | 2 | 123 | 16,395 | 2 | 0 | 2 | 123 |
| | | AFRR90 | 15,065 | 3 | 0 | 3 | 113 | 16,551 | 3 | 0 | 3 | 124 | 16,551 | 3 | 0 | 3 | 124 |
| | | AFRL90 | 15,128 | 3 | 0 | 3 | 114 | 16,621 | 3 | 0 | 3 | 125 | 16,621 | 3 | 0 | 3 | 125 |


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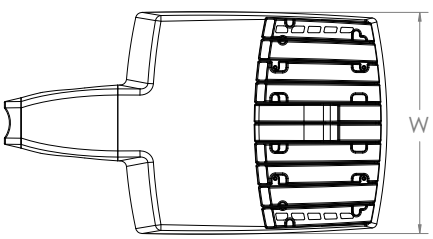
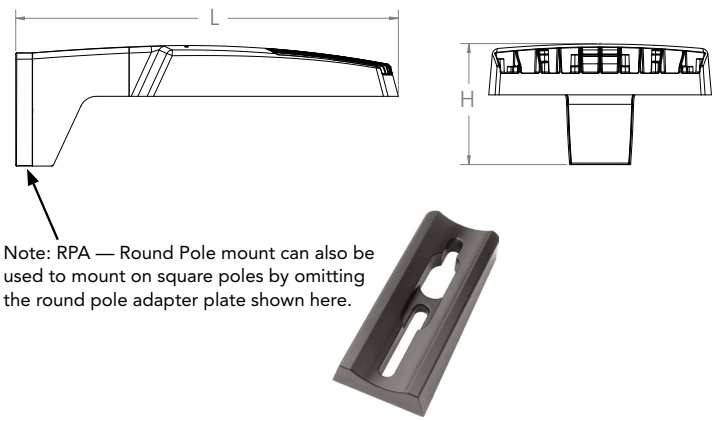
## Dimensions & Weights

### Luminaire Weight by Mounting Type

| Mounting Configuration | Total Luminaire Weight |
|---|---|
| SPA | 22 lbs |
| RPA | 24 lbs |
| MA | 22 lbs |
| WBA | 25 lbs |
| WBASC | 28 lbs |
| IS | 25 lbs |
| AASP | 25 lbs |
| AARP | 27 lbs |
| AAWB | 28 lbs |
| AAWSC | 31 lbs |

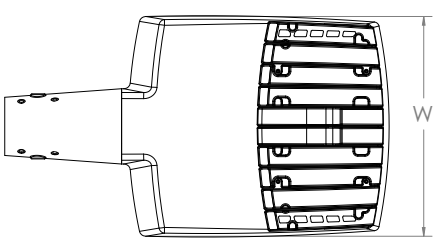
### RSX1 with Round Pole Adapter (RPA)

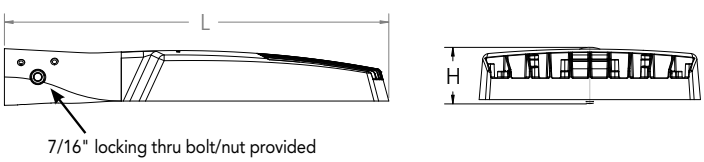



Length: 22.8″ (57.9 cm)
Width: 13.3″ (33.8 cm)
Height: 3.0″ (7.6 cm) Main Body
7.2″ (18.4 cm) Arm

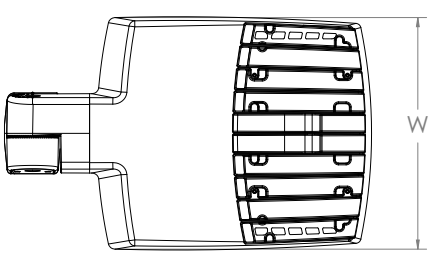
### RSX1 with Mast Arm Adapter (MA)

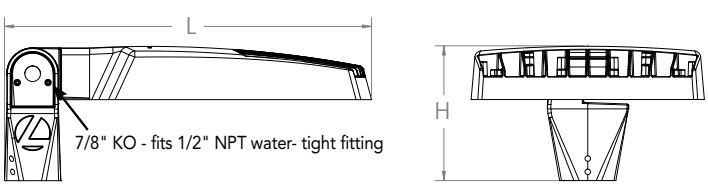



Length: 23.2″ (59.1 cm)
Width: 13.3″ (33.8 cm)
Height: 3.0″ (7.6 cm) Main Body
3.5″ (8.9 cm) Arm

### RSX1 with Adjustable Slipfitter (IS)




Length: 20.7″ (52.7 cm)
Width: 13.3″ (33.8 cm)
Height: 3.0″ (7.6 cm) Main Body
7.6″ (19.3 cm) Arm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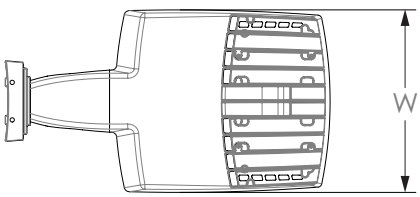
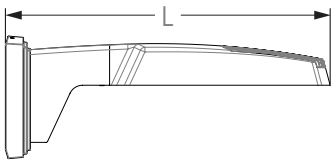
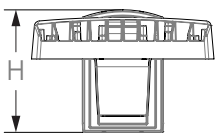
## Dimensions

### RSX1 with Wall Bracket (WBA)

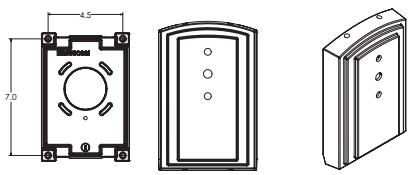


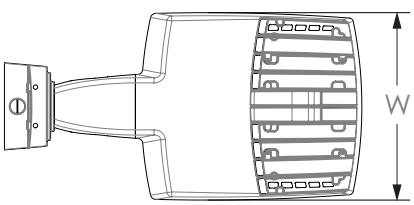



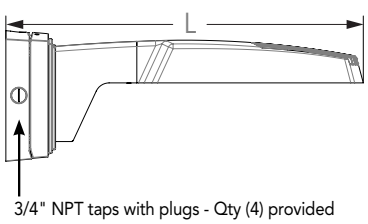

Length: 23.6" (59.9 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
8.9" (22.6 cm) Arm

**Wall Bracket (WBA) Mounting Detail**

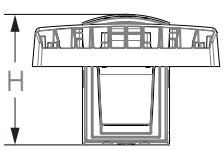



### RSX1 with Wall Bracket with Surface Conduit Box (WBASC)



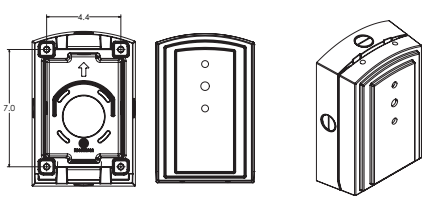




3/4" NPT taps with plugs - Qty (4) provided




Length: 25.3" (64.3 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
9.2" (23.4 cm) Arm

**Surface Conduit Box (SCB) Mounting Detail**





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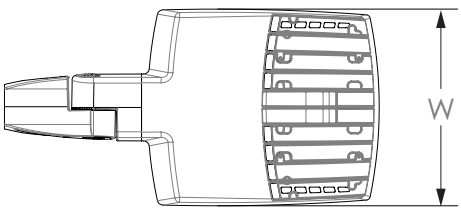
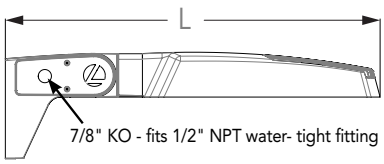
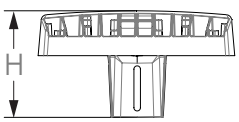
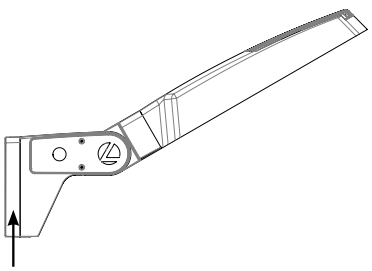
## Dimensions

### RSX1 with Adjustable Tilt Arm - Square or Round Pole (AASP or AARP)



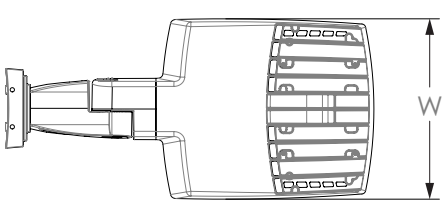



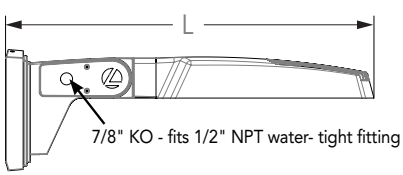
Length: 25.3" (65.3 cm) **AASP**
26.3" (66.8 cm) **AARP**
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
7.2" (18.2 cm) Arm

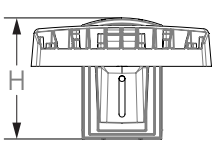
**NOTE:**
RPA - Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

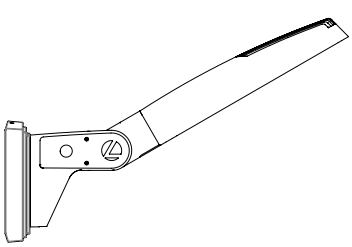
**Notes**
AASP: Requires 3.0" min. square pole for 1 at 90°. Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°.
AARP: Requires 3.2" min. dia. round pole for 2, 3, 4 at 90°. Requires 3.0" min. dia. round pole for mounting 1 at 90°, 2 at 180°, 3 at 120°.

### RSX1 with Adjustable Tilt Arm with Wall Bracket (AAWB)



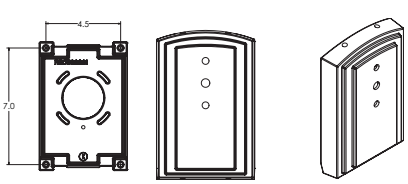



Length: 27.1" (68.8 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
8.9" (22.6 cm) Arm

**Wall Bracket (WBA) Mounting Detail**



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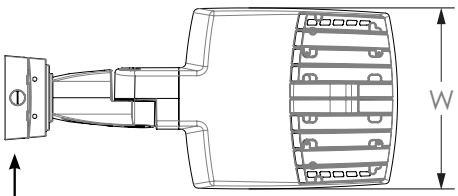
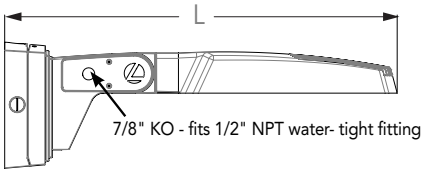
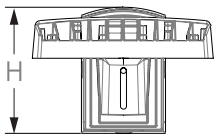
## Dimensions

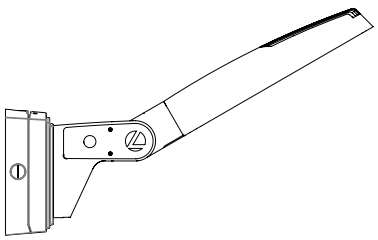
**RSX1 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)**




3/4" NPT taps
with plugs - Qty (4)
provided

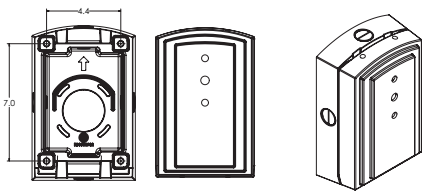


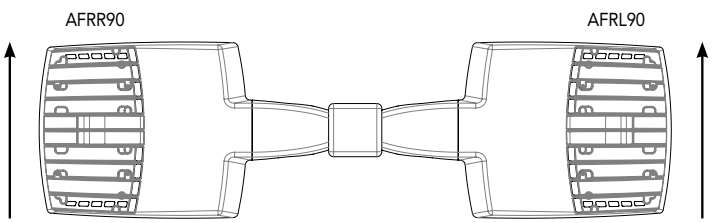



Length: 28.8" (73.2 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
9.2" (23.4 cm) Arm

**Surface Conduit Box (SCB) Mounting Detail**



**Automotive Front Row - Rotated Optics (AFRL90/R90)**




(Example: 2@180 - arrows indicate direction of light exiting the luminaire)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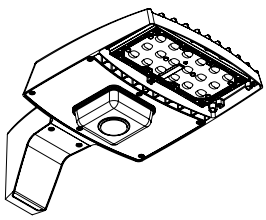
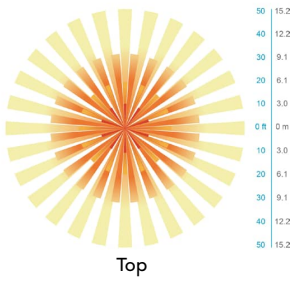
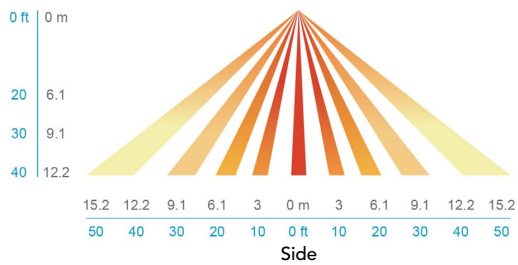
## nLight Control - Sensor Coverage and Settings

nLight Sensor Coverage Pattern
NLTAIR2 PIRHN





Top



Side

| Motion Sensor Default Settings - Option PIRHN | | | | | | |
|---|---|---|---|---|---|---|
| Option | Dimmed State (unoccupied) | High Level (when occupied) | Photocell Operation | Dwell Time (occupancy time delay) | Ramp-up Time (from unoccupied to occupied) | Ramp-down Time (from occupied to unoccupied) |
| NLTAIR2 PIRHN | Approx. 30% Output | 100% Output | Enabled @ 1.5FC | 7.5 minutes | 3 seconds | 5 minutes |

*Note: NLTAIR2 PIRHN default settings including photocell set-point, high/low dim rates, and occupancy sensor time delay are all configurable using the Clairity Pro App. Sensor coverage pattern shown with luminaire at 0°. Sensor coverage pattern is affected when luminaire is titled.

## FEATURES & SPECIFICATIONS

**INTENDED USE**
The RSX LED area family is designed to provide a long-lasting, energy-efficient solution for the one-for-one replacement of existing metal halide or high pressure sodium lighting. The RSX1 delivers 7,000 to 17,000 lumens and is ideal for replacing 70W to 400W HID pole-mounted luminaires in parking lots and other area lighting applications.

**CONSTRUCTION**
The RSX LED area luminaire features a rugged die-cast aluminum main body that uses heat-dissipating fins and flow-through venting to provide optimal thermal management that both enhances LED performance and extends component life. Integral "no drill" mounting arm allows the luminaire to be mounted on existing pole drillings, greatly reducing installation labor. The light engines and housing are sealed against moisture and environmental contaminants to IP66. The low-profile design results in a low EPA, allowing pole optimization. All mountings are rated for minimum 1.5 G vibration load per ANSI C136.31. 3G Mountings: Include SPA, RPA, MA, IS, AASP, and AARP rated for 3G vibration. 1.5G Mountings: Include WBA, WBASC, AAWB and AAWSC rated for 1.5G vibration.

**FINISH**
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures superior adhesion as well as a minimum finish thickness of 3 mils. The result is a high-quality finish that is warrantied not to crack or peel.

**COASTAL CONSTRUCTION (CCE)**
Optional corrosion-resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead times apply.

**OPTICS**
Precision acrylic refractive lenses are engineered for superior application efficiency, distributing the light to where it is needed most. Available in short and wide pattern distributions including Type 2, Type 3, Type 3S, Type 4, Type 4S, Type 5, Type 5S, AFR (Automotive Front Row), and AFR rotated AFRR90 and ARFL90.

**ELECTRICAL**
Light engine(s) configurations consist of high-efficacy LEDs mounted on metal-core circuit boards and aluminum heat sinks to maximize heat dissipation. Light engines are IP66 rated. LED lumen maintenance is >L92/100,000 hours. CCT's of 3000K, 4000K and 5000K (minimum 70 CRI) are available. Fixtures ship standard with 0-10v dimming driver. Class 1 electronic drivers ensure system power factor >90% and THD <20%. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

**STANDARD CONTROLS**
The RSX LED area luminaire has a wide assortment of control options. Dusk to dawn controls include MVOLT and 347V button-type photocells and NEMA twist-lock photocell receptacles.

**nLIGHT AIR CONTROLS**
The RSX LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing with photocontrol functionality and is suitable for mounting heights up to 40 feet. No commissioning is required when using factory default settings that provide basic stand-alone motion occupancy dimming that is switched on and off with a built-in photocell. See chart above for motion sensor default out-of-box settings. For more advanced wireless functionality, such as group dimming, nLight AIR can be commissioned using a smartphone and the easy-to-use CLAIRITY app. nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

**INSTALLATION**
Integral "no-drill" mounting arm allows for fast, easy mounting using existing pole drillings. Select the "SPA" option for square poles and the "RPA" option to mount to round poles. Note, the RPA mount can also be used for mounting to square poles by omitting the RPA adapter plate. Select the "MA" option to attach the luminaire to a 2 3/8" horizontal mast arm or the "IS" option for an adjustable slipfitter that mounts on a 2 3/8" OD tenon. The adjustable slipfitter has an integral junction box and offers easy installation. Can be tilted up to 90° above horizontal. Additional mountings are available including a wall bracket, adjustable tilt arm for direct-to-pole and wall and a surface conduit box for wall mount applications.

**LISTINGS**
CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only. U.S. Patent No. D882, 146S

**GOVERNMENT PROCUREMENT**
BAA – Buy America(n) Act: Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations. BABA – Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
Please refer to www.acuitybrands.com/buy-american for additional information.

**WARRANTY**
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:
www.acuitybrands.com/support/warranty/terms-and-conditions

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

Enterprise Ligh
Manufacturers' Repres

**Job Name:**
Central at the Forge

**Catalog Number:**
SSS4-11-20-DM19AS-STD FINISH

Notes:

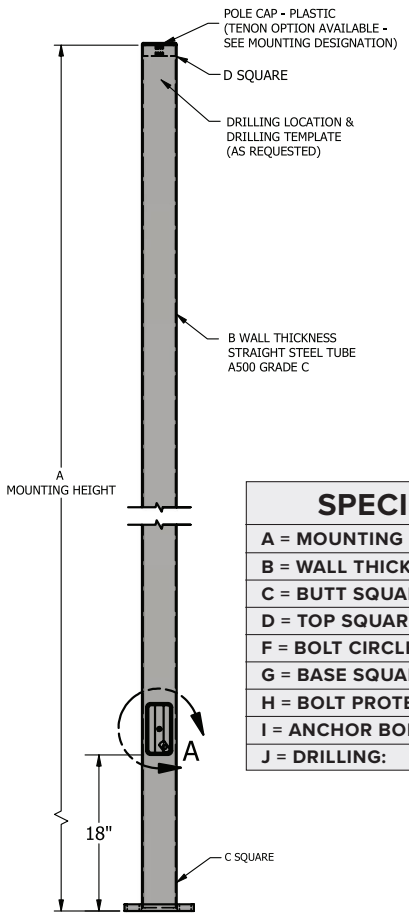
**Type:**
**OA2HS**

ELL25-142749

UTILITY METALS
A DIVISION OF FABRICATED METALS LLC.

| JOB NAME | PART NO. | |
|---|---|---|
| DESCRIPTION: | DRAWING NO. | REV |

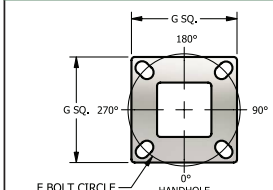
| DRAWN BY: | APPROVED: | ECN: | SCALE: | DATE: |
|---|---|---|---|---|
| | | | | |



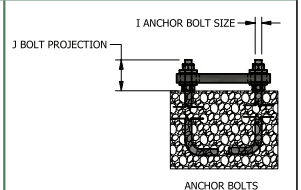

## SPECIFICATIONS

| |
|---|
| A = MOUNTING HEIGHT: |
| B = WALL THICKNESS: 11 GA. |
| C = BUTT SQUARE: 4” |
| D = TOP SQUARE: 4” |
| F = BOLT CIRCLE RANGE: 8” - 9” |
| G = BASE SQUARE: 8” |
| H = BOLT PROTECTION: 3.12” |
| I = ANCHOR BOLT SIZE: 3/4” X 20” X 3” |
| J = DRILLING: |

## ANCHORAGE

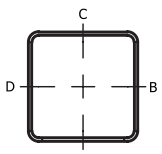


4 BOLT ANCHOR BASE



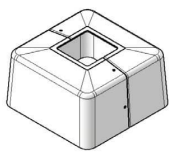
ANCHOR BOLTS
PROJECTION & SIZE

## FIXTURE



HANDHOLE
DRILLING LOCATIONS

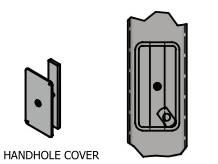
## BASE


PLASTIC
BASE COVER

DM19AS = Drill mounting 1 at 90

STD FINISH = Specify

## HANDHOLE




2013 AASHTO MAXIMUM EPA RATINGS WITH 3 SEC. WIND GUST

STEEL SQUARE STRAIGHT POLE SSS 4 11 SERIES

| PART NUMBER | 80 MPH SQ FT | 90 MPH SQ FT | 100 MPH SQ FT | 110 MPH SQ FT | 120 MPH SQ FT | 130 MPH SQ FT | 140 MPH SQ FT |
|---|---|---|---|---|---|---|---|
| SSS 4 11 10 | 39.47 | 30.68 | 24.40 | 19.75 | 16.22 | 13.46 | 9.52 |
| SSS 4 11 12 | 31.97 | 24.66 | 19.43 | 15.56 | 12.62 | 10.32 | 7.04 |
| SSS 4 11 14 | 26.38 | 20.18 | 15.71 | 12.40 | 9.89 | 7.93 | 5.12 |
| SSS 4 11 15 | 23.98 | 18.30 | 14.14 | 11.06 | 8.72 | 6.90 | 4.29 |
| SSS 4 11 16 | 22.08 | 16.64 | 12.75 | 9.88 | 7.69 | 5.98 | 3.54 |
| SSS 4 11 18 | 16.28 | 13.79 | 10.35 | 7.81 | 5.87 | 4.37 | 2.21 |
| SSS 4 11 20 | 14.37 | 10.40 | 7.56 | 5.46 | 3.86 | 2.62 | 0.83 |
| SSS 4 11 22 | 12.02 | 8.44 | 5.88 | 3.98 | 2.54 | 1.42 | 0.00 |
| SSS 4 11 25 | 9.04 | 5.52 | 3.43 | 1.89 | 0.72 | 0.00 | 0.00 |

# KBR8 LED
## LED Specification Bollard

BAA BABA

Catalog Number

Notes

Type

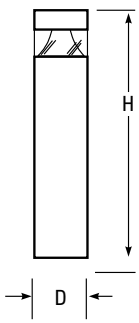
*Hit the Tab key or mouse over the page to see all interactive elements.*

### Specifications

8" Round *(20.3 cm)*

**Height:** 40" *(101.6 cm)*

**Weight (max):** 27 lbs *(12.25 kg)*




### Introduction

The KBR8 Bollard is a stylish, fully integrated LED solution for walkways. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and up to 70% in energy savings over comparable 100W metal halide luminaires, the KBR8 Bollard is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

## Ordering Information

**EXAMPLE:** KBR8 LED 16C 700 40K SYM MVOLT DDBXD

| KBR8 LED | | | XXK = Specify | | | | | STD FINISH = Specify |
|---|---|---|---|---|---|---|---|---|
| **Series** | **LEDs** | **Drive current** | **Color temperature** | **Distribution** | **Voltage** | **Control options** | **Other options** | **Finish** *(required)* |
| KBR8 LED | **Asymmetric**<br>12C 12 LEDs [1]<br>**Symmetric**<br>16C 16 LEDs [2] | 350 350 mA<br>450 450 mA [3,4]<br>530 530 mA<br>700 700 mA | 30K 3000 K<br>40K 4000 K<br>50K 5000 K<br>AMBPC Amber phosphor converted<br>AMBLW Amber limited wavelength [3,4] | ASY Asymmetric [1]<br>SYM Symmetric [2] | MVOLT [5]<br>120 [5]<br>208 [5]<br>240 [5]<br>277 [5]<br>347 [4] | **Shipped installed**<br>PE Photoelectric cell, button type<br>DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)<br>ELCW Emergency battery backup, CA Title 20 Noncompliant [6] | **Shipped installed**<br>SF Single fuse (120, 277, 347V) [4,7]<br>DF Double fuse (208, 240V) [4,7]<br>H24 24" overall height<br>H30 30" overall height<br>H36 36" overall height<br>FG Ground-fault festoon outlet<br>L/AB Without anchor bolts (3 bolt base)<br>L/AB4 4 bolt retrofit base without anchor bolts [8] | DWHXD White<br>DNAXD Natural aluminum<br>DDBXD Dark bronze<br>DBLXD Black<br>DDBTXD Textured dark bronze<br>DBLBXD Textured black<br>DNATXD Textured natural aluminum<br>DWHGXD Textured white |

### Accessories

*Ordered and shipped separately.*

MRAB U Anchor bolts for KBR8 LED [8]

**NOTES**

1. Only available in the 12C, ASY version.
2. Only available in the 16C, SYM version.
3. Only available with 450 AMBLW version.
4. Not available with ELCW.
5. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options), or photocontrol (PE option).
6. Not available with 347V. Not available with fusing. Not available with 450 AMBLW.
7. Single fuse (SF) requires 120, 277, or 347 voltage option. Double fuse (DF) requires 208 or 240 voltage option.
8. MRAB U not available with L/AB4 option.

LITHONIA LIGHTING

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
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## Performance Data

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%.

| Light Engines | Drive Current | System Watts | 3000 K | | | | | 4000 K | | | | | 5000 K | | | | | Limited Wavelength Amber | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Lumens | LPW | B | U | G | Lumens | LPW | B | U | G | Lumens | LPW | B | U | G | Lumens | LPW | B | U | G |
| Asymmetric 3 Engines (12 LEDs) | 350 | 16 | 641 | 40 | 1 | 1 | 1 | 809 | 51 | 1 | 1 | 1 | 870 | 54 | 1 | 1 | 1 | | | | | |
| | 530 | 22 | 947 | 43 | 1 | 1 | 1 | 1,191 | 54 | 1 | 1 | 1 | 1,282 | 58 | 1 | 1 | 1 | | | | | |
| | 700 | 31 | 1,214 | 40 | 1 | 1 | 1 | 1,527 | 51 | 1 | 1 | 1 | 1,646 | 55 | 1 | 1 | 1 | | | | | |
| | Amber 450 | 16 | | | | | | | | | | | | | | | | 324 | 20 | 0 | 1 | 0 |
| Symmetric 4 Engines (16 LEDs) | 350 | 20 | 888 | 44 | 1 | 0 | 0 | 1,116 | 56 | 1 | 0 | 0 | 1,203 | 60 | 1 | 0 | 0 | | | | | |
| | 530 | 28 | 1,254 | 45 | 1 | 0 | 0 | 1,598 | 57 | 1 | 0 | 1 | 1,719 | 61 | 1 | 0 | 1 | | | | | |
| | 700 | 39 | 1,608 | 41 | 1 | 0 | 1 | 2,022 | 52 | 1 | 0 | 1 | 2,180 | 56 | 2 | 0 | 1 | | | | | |
| | Amber 450 | 20 | | | | | | | | | | | | | | | | 374 | 19 | 0 | 0 | 0 |

**Note:** Available with phosphor-converted amber LED's (nomenclature AMBPC). These LED's produce light with 97+% >530 nm. Output can be calculated by applying a 0.7 factor to 4000 K lumen values and photometric files.

### Projected LED Lumen Maintenance

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

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

| Operating Hours | 0 | 25,000 | 50,000 | 100,000 |
|---|---|---|---|---|
| Lumen Maintenance Factor | 1.00 | 0.98 | 0.97 | 0.95 |

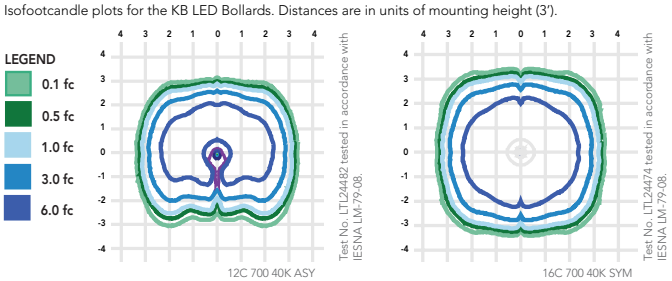
### Electrical Load

| Light Engines | Drive Current (mA) | System Watts | Current (A) 120 | 208 | 240 | 277 | 347 |
|---|---|---|---|---|---|---|---|
| 12C | 350 | 16W | 0.158 | 0.118 | 0.114 | 0.109 | 0.105 |
| | 530 | 22W | 0.217 | 0.146 | 0.136 | 0.128 | 0.118 |
| | 700 | 31W | 0.296 | 0.185 | 0.168 | 0.153 | 0.139 |
| | Amber 450 | 16W | 0.161 | 0.120 | 0.115 | 0.110 | 0.106 |
| 16C | 350 | 20W | 0.197 | 0.137 | 0.128 | 0.121 | 0.114 |
| | 530 | 28W | 0.282 | 0.178 | 0.162 | 0.148 | 0.135 |
| | 700 | 39W | 0.385 | 0.231 | 0.207 | 0.185 | 0.163 |
| | Amber 450 | 20W | 0.199 | 0.139 | 0.130 | 0.123 | 0.116 |

## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's KBR8 Bollard homepage.

Isofootcandle plots for the KB LED Bollards. Distances are in units of mounting height (3').




12C 700 40K ASY

16C 700 40K SYM

## FEATURES & SPECIFICATIONS

### INTENDED USE
The rugged construction and clean lines of the KBA bollard is ideal for illuminating building entryways, walking paths, and pedestrian plazas, as well as any other location requiring a low mounting height light source with fully cutoff illumination.

### CONSTRUCTION
One-piece 8-inch round extruded aluminum shaft with thick side walls for extreme durability, a high-impact clear acrylic lens and welded top cap. Die-cast aluminum mounting ring allows for easy leveling even in sloped locations and a full 360-degree rotation for precise alignment during installation. Three ½" x 11" anchor bolts with double nuts and washers and 3 ¾" bolt circle template ensure stability. Overall height is 42" standard.

### FINISH
Exterior parts are protected by a zinc-infused super durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering for maximum retention of gloss and luster. A tightly controlled multi-stage process ensures a minimum 3-mil thickness for a finish that can withstand the elements without cracking or peeling. Available in both textured and non-textured finishes.

### OPTICS
Two fully cutoff optical distributions are available: symmetrical and asymmetrical. IP66 sealed LED light engine provides smoothly graduated illumination without any uplight. Light engines are available in standard 4000 K (>70 CRI) or optional 3000 K (>80 CRI) or 5000 K (67 CRI). Limited-wavelength amber LEDs are also available.

### ELECTRICAL
Light engines consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (L95/100,000 hours at 700mA at 25°C). Class 2 electronic drivers are designed for an expected life of 100,000 hours with < 1% failure rate. Electrical components are mounted on a removable power tray.

### LISTINGS
CSA certified to U.S. and Canadian standards. Light engines are IP66 rated. Rated for -40°C minimum ambient. Cold-weather emergency battery backup rated for -20°C minimum ambient.

### GOVERNMENT PROCUREMENT
BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.
BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act. Please refer to www.acuitybrands.com/buy-american for additional information.

### WARRANTY
Five-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

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

Enterprise Ligh
Manufacturers' Repres

**Job Name:**
Central at the Forge

**Catalog Number:**
V4OFCRU-07-XXK-F4060-REFLECTOR-SDM
Notes:

**Type:**
**OD1**
ELL25-142749

| | |
|---|---|
| Part # | Prepared By |
| Project | Notes |
| Type | |
| Date | |

F-CLASS
Commercial

# 4" Round, F-Class Commercial

## Open, LED Downlight, 750-4000 Lumens - Shallow Housing

## Description

F-Class Commercial shallow downlights are designed to provide premium features at a commercial value. The Open precision spun reflector provides a medium distribution and sharp light cutoff. Standard 0-10V 10% dimming driver; optional drivers available.

## Features & Construction

### ELECTRICAL SYSTEM

- 750 - 4000 lumens
- 2700K - 5000K CCT
- 80 CRI with 3 SDCM color consistency (+90 CRI optional)
- Standard 0-10V 10% dimming driver; optional drivers available
- 120V - 277V Input Volts
- Minimum 50,000 hour lifetime at L70
- -20°C to 30°C Ambient Operating Temperature Range

### OPTICS

- Precision spun reflector
- Reflectors available in Alzak® and painted finishes
- Distribution is free of streaks, striations and hotspots
- 60° Medium distribution
- 45° Cutoff

### FRAME & MOUNTING

- Adjustable mounting ears and junction box included
- Mounting ears accept standard hanger bars 14" - 24" (included)
- Knock outs for through wiring
- Galvanized steel frame with integrated junction box

## Listings

- ETL certified to UL 1598 and UL8750 requirements
- Tested according to LM-79 and LM-80 standards
- Suitable for damp locations; Wet location under covered ceiling
- Buy American Act (BAA)

## Warranty & Notes

- 5-year limited warranty on LED module and driver
- www.vantageltg.com/product-warranty
- Photometric tests peformed by an accredited NVLP facility and in accordance to IESNA LM-79-2008 testing procedures
- Insulation cannot be in direct contact with luminaire

## Lumens

| Nominal Lumens | Delivered Lumens | Wattage | Lumens Per Watt |
|---|---|---|---|
| 750 | 685 | 8.88 | 77.14 |
| 1100 | 1176 | 15.4 | 76.36 |
| 1500 | 1604 | 20.5 | 78.24 |
| 2000 | 2260 | 25.3 | 89.33 |
| 3000 | 2876 | 33.39 | 86.13 |
| 4000 | 4126 | 46.0 | 89.69 |

All measured at 3500K with a standard medium distribution
*Actual Wattage/Lumens may vary.

## Ordering Information

EXAMPLE: V4OFCR1-0735K-F4060-SGC-HCR

| | | | XXK = Specify | | REFLECTOR = Specify | |
|---|---|---|---|---|---|---|
| Series | Voltage | Lumens | Kelvin (CCT) | Reflector | Reflector Finish | Options* |
| V4OFCR | U - 120V-277V/* *Universal Voltage only available with ZDM-1% Driver. | 07 - 750 ~~11 - 1100~~ 15 - 1500 20 - 2000 30 - 3000 40 - 4000 | 27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K 50K - 5000K | F4060 Medium 60° Open Reflector | SCL Specular Clear SGC Soft Glow Clear WHT White Matte | SDM ZDM TDM HCR PF REM CP |
| Options in purple qualify for the Velocity Quick Ship Program up to 100 pieces (up to 30 in EM). Refer to Velocity Guide for complete details. | 1 - 120V** 2 - 277V** **Must specify voltage when standard SDM 10% is selected. TDM (triac) is 120V only. | | | F4019 Non-Conductive Shower Trim | *All trims supplied standard with white painted flange. | |

*Options Notes

SDM - 0-10V 10% dimming driver (standard, Must Specify Voltage as 120V or 277V)
ZDM - 0-10V 1% dimming driver (Universal Voltage).
TDM - Triac (Foward Phase, 120V only) dimming driver.
HCR - High CRI, 90+ minimum. Not available in 5000 Kelvin.
PF - Polished Flange
REM - Emergency battery back-up. Remote test button & indicator light.
CP - Chicago Plenum. Up to 4000 lumens.

## Reflector Finishes

**WHT** White Matte | **SGC** Soft Glow Clear | **SCL** Specular Clear

Vantage reserves the right to change components, finishes or design details in any manner which does not alter the installed appearance or reduce performance and intended function.

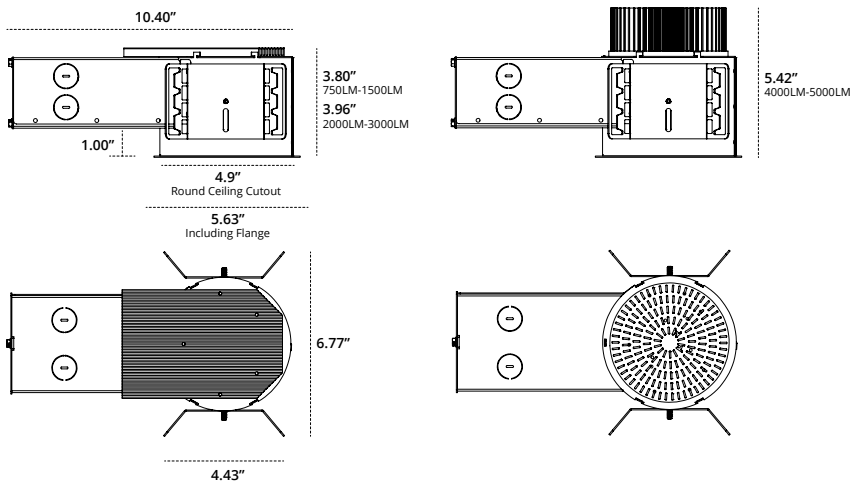
# 4" Round, F-Class Commercial

## Open, LED Downlight, 750-4000 Lumens - Shallow Housing

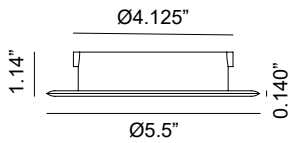
F-CLASS
Commercial

### Dimensional Data

New Construction




Non-Conductive Shower Trim - F4019



### MEDIUM - 60° 2035K

**Model**
V4OFCR-2035K-F4060-SCL

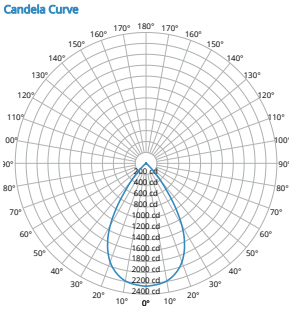
**Lumens**
2,260

**Watts**
25.3

**Efficacy**
89.33

**SC**
0.99

**Candela Curve**



**Cone of Light**

| Mounting Height AFF | FC at Center on Floor | Beam Diameter |
|---|---|---|
| 8.0 ' | 35 fc | 10.0 ' |
| 10.0 ' | 23 fc | 12.5 ' |
| 12.0 ' | 16 fc | 15.0 ' |
| 14.0 ' | 12 fc | 17.5 ' |
| 16.0 ' | 9 fc | 20.0 ' |
| 20.0 ' | 6 fc | 24.9 ' |
| 24.0 ' | 4 fc | 29.9 ' |
| 30.0 ' | 3 fc | 37.4 ' |

**Candela Table**

| | | |
|---|---|---|
| | 0.00° | |
| 0.00° | 2,254 | |
| 5.00° | 2,233 | |
| 15.00° | 2,088 | |
| 90.00° | 0 | |

**Zonal Lumen Summary**

| Zone | Lumens | % Luminaire |
|---|---|---|
| 0° - 30° | 1,556 | 69% |
| 0° - 40° | 2,084 | 93% |
| 0° - 60° | 2,238 | 99% |
| 60° - 90° | 22 | 1% |
| 0° - 20° | 800 | 36% |
| 20° - 50° | 1,477 | 66% |
| 50° - 70° | 45 | 2% |
| 70° - 90° | 9 | 0% |
| 0° - 90° | 2,253 | 100% |
| 90° - 180° | 0 | 0% |
| Total | 2,253 | 100% |

**Spacing Criterion**

| Height | Spacing | Light Level* |
|---|---|---|
| 8 ft | 7.9 ft | ~ 35 fc |
| 10 ft | 9.9 ft | ~ 23 fc |
| 12 ft | 11.9 ft | ~ 16 fc |
| 8 ft | 5.9 ft | ~ 63 fc |
| 10 ft | 7.4 ft | ~ 40 fc |
| 12 ft | 8.9 ft | ~ 28 fc |
| 8 ft | 4.0 ft | ~ 141 fc |
| 10 ft | 5.0 ft | ~ 90 fc |
| 12 ft | 5.9 ft | ~ 63 fc |

* approximate direct light level at floor based on spacing criterion overlap

### MULTIPLIER

| CRI | Multiplier | Kelvin | Multiplier | Reflector Finish | Multiplier |
|---|---|---|---|---|---|
| 80 | 1 | 2700K | 0.939 | SCL | 1 |
| 90 | 0.81 | 3000K | 0.975 | SGC | 0.95 |
| | | 3500K | 1 | WHT | 0.87 |
| | | 4000K | 1.035 | | |
| | | 5000K | 1.098 | | |

Vantage reserves the right to change components, finishes or design details in any manner which does not alter the installed appearance or reduce performance and intended function.

| Submitted by Enterprise Lighting, LTD. | | | |
|---|---|---|---|
| Enterprise Light<br>Manufacturers' Repres | **Job Name:**<br>Central at the Forge | **Catalog Number:**<br>A5-ZOZO-STN-36IN-XXK-GSF-WET-120FT<br>Notes: | **Type:**<br>**OS1**<br>ELL25-142749 |

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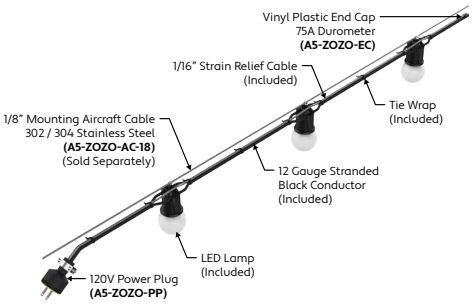
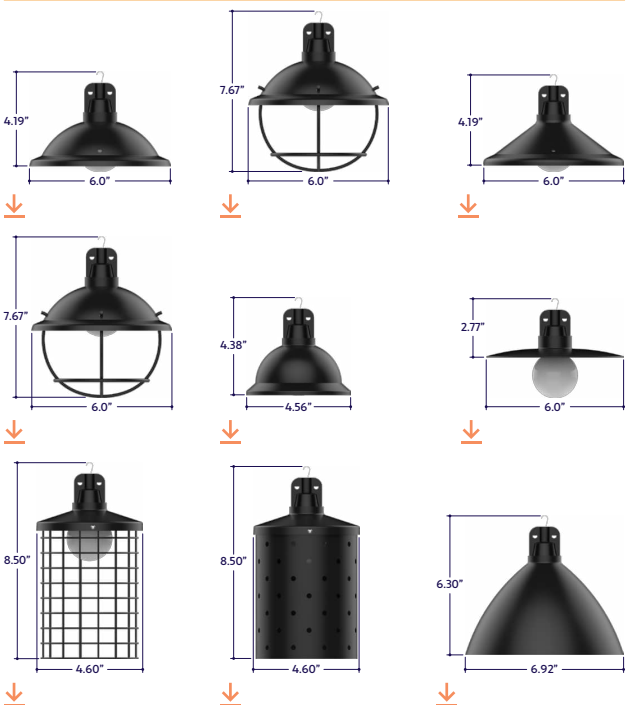



## CANOPY OPTIONS (Click Image to See Individual Submittal)




# A5 Series | String / Festoon

## ZOZO Standard

(A5-ZOZO-STN)

**TYPE**

STATIC WHITE · STATIC COLORS · 10 DAY QUICK SHIP · FIELD CUTTABLE · DIMMING · DRY WET · ETL · RoHS COMPLIANT · MADE IN USA

## GENERAL FEATURES

| | |
|---|---|
| **Applications** | Indoor and Outdoor |
| **Length** | Built to Order (+/- 1/8" Tolerance) |
| **Finish** | Black |
| **Feed** | Standard 6' Power Lead |
| **Strain Relief** | Cable (Included, Not for Mounting) |
| **Mounting** | Mounting Aircraft Cable (Sold Separately) |
| **Listing** | Dry or Wet Location<br>ANSI/UL1598<br>CSA 22.2 No. 250.0-04, 2nd Edition |
| **Options** | Mesh, Canopies, or Cages |
| **UV Rating** | Sun Light Resistance |
| **Installation Link** | |

## ELECTRICAL

| | |
|---|---|
| **Dimming** | Forward Phase |
| **Maximum Run** | 250' without Canopies<br>100' with Canopies |
| **System** | 20 Amps (12 Gauge Wire) |
| **Wattage** | 1W or 3W Lamps (+/- 0.25W Tolerance) |
| **Operating Temperature** | -25°C to +45°C<br>(-13°F to +113°F) |
| **Luminaire Voltage** | 120V |

## SPECIFY PRODUCT CODE | CHOOSE FROM DROP DOWNS

120FT

| Series | | Spacing | Lamp | | Dimming | Listing | Luminaire Length |
|---|---|---|---|---|---|---|---|
| | | | XXK-GSF = Specify | | | | |
| Standard (No Canopy) **(A5-ZOZO-STN)** | Bell Canopy **(A5-ZOZO-BLL)** | 12" on Center **(12")** | 2700K, G-Shape **(27K-GSF)** | 5000K, G-Shape Filament **(50K-GSFL)** | Forward Phase **(DM)** | Indoor **(DRY)** | Specify Length in Feet **Example:** 100' |
| | | 18" on Center **(18")** | 5000K, G-Shape **(50K-GSF)** | 2700K, S-Shape Frosted **(27K-SSF)** | | | |
| Round Canopy **(A5-ZOZO-RND)** | Flat Canopy **(A5-ZOZO-FLT)** | 24" on Center **(24")** | Red, G-Shape **(R-GSF)** | 5000K, S-Shape Frosted **(50K-SSF)** | **Leave Blank for Non-Dimming** | Outdoor **(WET)** | |
| | | 36" on Center **(36")** | Green, G-Shape **(G-GSF)** | Orange, S-Shape Frosted **(OR-SSF)** | | | |
| Round Canopy with Cage **(A5-ZOZO-RNC)** | Mesh Canopy **(A5-ZOZO-MSH)** | 48" on Center **(48")** | Blue, G-Shape **(B-GSF)** | 2700K, S-Shape Clear **(27K-SSC)** | | | |
| | | 60" on Center **(60")** | Amber, G-Shape **(A-GSF)** | 5000K, S-Shape Clear **(50K-SSC)** | | | |
| Cone Canopy **(A5-ZOZO-CON)** | Barrel Canopy **(A5-ZOZO-BRL)** | | 2400K, G-Shape Filament **(24K-GSFL)** | Red, S-Shape Clear **(R-SSC)** | | | |
| | | | 2700K, G-Shape Filament **(27K-GSFL)** | Green, S-Shape Clear **(G-SSC)** | | | |
| Cone Canopy with Cage **(A5-ZOZO-COC)** | Hat Canopy **(A5-ZOZO-HAT)** | | 3000K, G-Shape Filament **(30K-GSFL)** | Blue, S-Shape Clear **(B-SSC)** | | | |
| | | | 3500K, G-Shape Filament **(35K-GSFL)** | Amber, S-Shape Clear **(A-SSC)** | | | |
| | | | 4000K, G-Shape Filament **(40K-GSFL)** | No Lamps*[1] **(NL)** | | | |

*[1] Lighting will be shipped without lamps.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**Specification Submittal**

ALUZ

## A5 Series | String / Festoon
**ZOZO** Standard
(A5-ZOZO-STN)

**TYPE**

## LAMP OPTIONS

**Lamp Image & Dimensions**

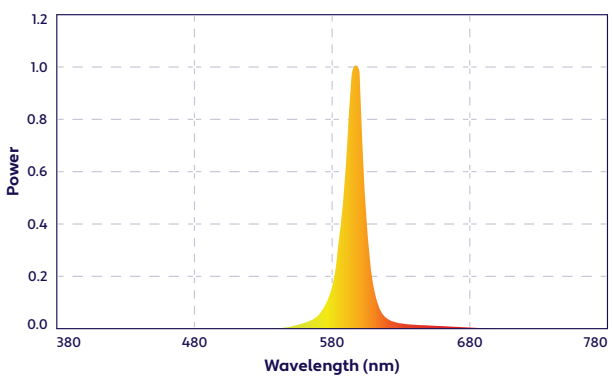
| Lamp Name & Product Code | G-Shaped Lamp **(GSF)** | G-Shaped Filament Lamp **(GSFL)** | S-Shaped Lamp **(SSF)** | S-Shaped Clear Lamp **(SSC)** |
|---|---|---|---|---|
| **Lamp Type** | Standard LED | Filament LED | Standard LED | Standard LED |
| **Material** | Polymer Plastic | Shatterproof Glass | Polymer Plastic | Polymer Plastic |
| **Lamp Life** | 20,000 hrs. | 25,000 hrs. | 20,000 hrs. | 20,000 hrs. |
| **CRI** | 80 | 90 | 75 | 80 |
| **Lumens** | 42 | 256 | 42 | 42 |
| **Beam Angle** | 360° | 360° | 360° | 360° |
| **Appearance** | Frosted | Clear | Frosted | Clear, Textured |
| **CCT & Colors** | **27K, 50K, R, G, B, A** | **24K, 27K, 30K, 35K, 40K, 50K** | **27K, 50K, OR** | **27K, 50K, R, G, B, A** |
| **Lamp Watts** | 1W | 3W | 1W | 1W |

**Note:** Lamp dimensions are subject to change without notice. +/- 0.25 Wattage Tolerance. CRI is based on 5.0K GSF, 3.0K GSFL, 5.0K SSF, and 5.0K SSC.

## LAMP SPECIFICATIONS

| Lamp Number | Correlated Color Temperature | Description | Available Lamp Shapes |
|---|---|---|---|
| **24K** | 2400 Kelvin | Incandescent White | **(GSFL)** |
| **27K** | 2700 Kelvin | Warm White | **(GSF), (GSFL), (SSF), (SSC)** |
| **30K** | 3000 Kelvin | Warm White | **(GSFL)** |
| **35K** | 3500 Kelvin | Neutral White | **(GSFL)** |
| **40K** | 4000 Kelvin | Neutral White | **(GSFL)** |
| **50K** | 5000 Kelvin | Cool White | **(GSF), (GSFL), (SSF), (SSC)** |
| **R** | Red | 621nm | **(GSF), (SSC)** |
| **G** | Green | 525nm | **(GSF), (SSC)** |
| **B** | Blue | 470nm | **(GSF), (SSC)** |
| **A** | Amber | 590nm | **(GSF), (SSC)** |
| **OR** | Orange | 610nm | **(SSF)** |

## SPECTRAL POWER DISTRIBUTION
## AMBER LED (590nm) TURTLE FRIENDLY



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ALUZ

**A5 Series** | String / Festoon
**ZOZO** Standard
(A5-ZOZO-STN)

**TYPE**

## ACCESSORIES (Sold Separately)

Vinyl Plastic End Cap
75A Durometer
**(A5-ZOZO-EC)**

| Part # | Qty. |
|---|---|
| A5-ZOZO-EC | |

**Note:** Use 1 End Cap at the end of each run.

120V Power Plug
Rubber Casing
**(A5-ZOZO-PP)**

| Part # | Qty. |
|---|---|
| A5-ZOZO-PP | |

**Note:** Use 1 Power Plug for each run that will not be hardwired.

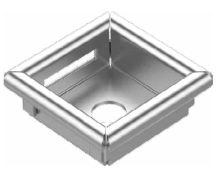
## MOUNTING ACCESSORIES (Sold Separately - Click Image to See Cut Sheet, If Applicable)

| Part # | Length | Qty. |
|---|---|---|
| A5-ZOZO-AC-18- | | |

**Note:** Order cable to desired length. Order in 50' increments up to 500' per reel.

| Part # | Qty. |
|---|---|
| A5-ZOZO-CL-18- | |

**Note:** Use 1 Cable Lock per run, if using this method. Refer to installation instructions for alternative mounting options.



Mounting Plate
Stainless Steel
**(A5-ZOZO-MP)**

| Part # | Qty. |
|---|---|
| A5-ZOZO-MP | |

**Note:** Use Mounting Plates when mounting to a ceiling. Refer to installation instructions for details.

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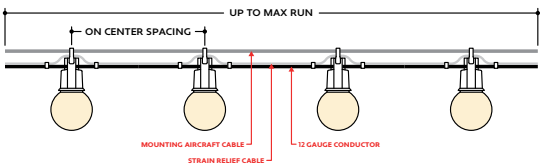
# A5 Series | String / Festoon
## ZOZO Standard
(A5-ZOZO-STN)

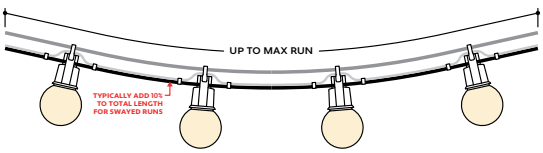
**TYPE**

## DESIGN GUIDELINES

### Straight Run

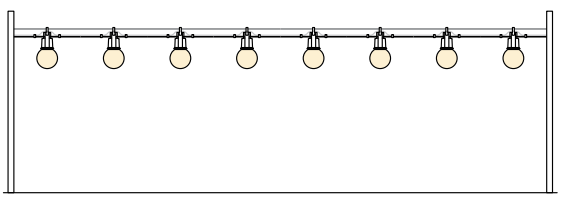



### Swayed Run

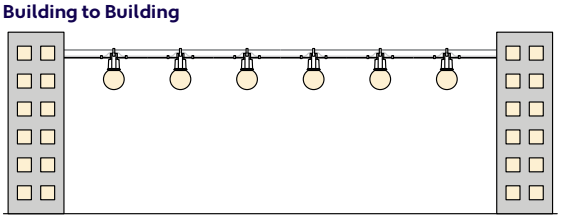



## INSTALLATION OPTIONS

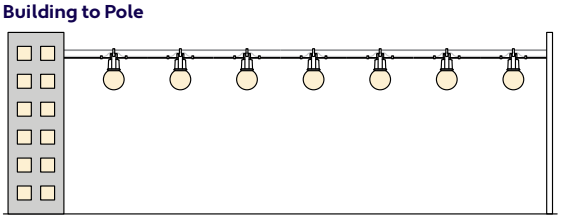
### Pole to Pole



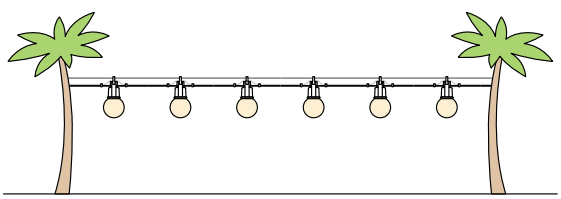
### Building to Building



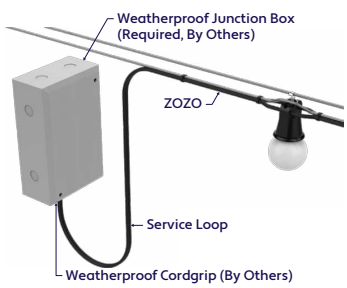
### Building to Pole



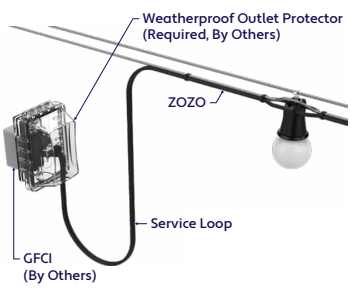
### Tree to Tree



## HARDWIRE INSTALLATION (Wet Location)




## POWER PLUG INSTALLATION (Wet Location)




## INSTALLATION RECOMMENDATIONS

- Determine weight of string light that will be used.
- Determine length of string light and multiply by weight.
- An engineer must choose the proper aircraft cable to handle the tension, based on length and weight to prevent product from sagging.
- An engineer must determine the strength of the structure where the cable will attach, based on tension calculation from previous step.
- If installing on a pole, check with pole manufacturer to confirm the pole can handle the tension.
- String light is hung to the above aircraft cable using the hooks. Secure hooks to aircraft cable by crimping or using stainless steel tie wraps.
- The supplied aircraft cable is designed to prevent strain on the wire. An additional aircraft cable is required to hang string light.

## WEIGHT PER FOOT

| Series | Spacing Selection | Approximate Weight *[1] |
|---|---|---|
| ZOZO Standard **(A5-ZOZO-STN)** | 12" on Center **(12")** | 0.30 lbs per foot |
| | 18" on Center **(18")** | 0.24 lbs per foot |
| | 24" on Center **(24")** | 0.21 lbs per foot |
| | 36" on Center **(36")** | 0.18 lbs per foot |
| | 48" on Center **(48")** | 0.17 lbs per foot |
| | 60" on Center **(60")** | 0.16 lbs per foot |

*[1] Includes Wire, Socket, Lamp, and Strain Relief Cable. Mounting Aircraft Cable Not Included.

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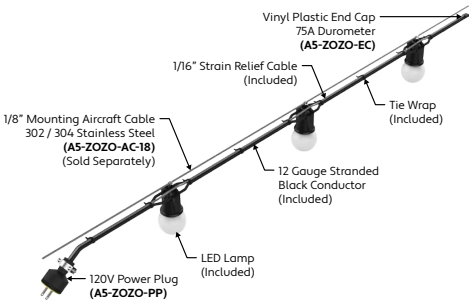
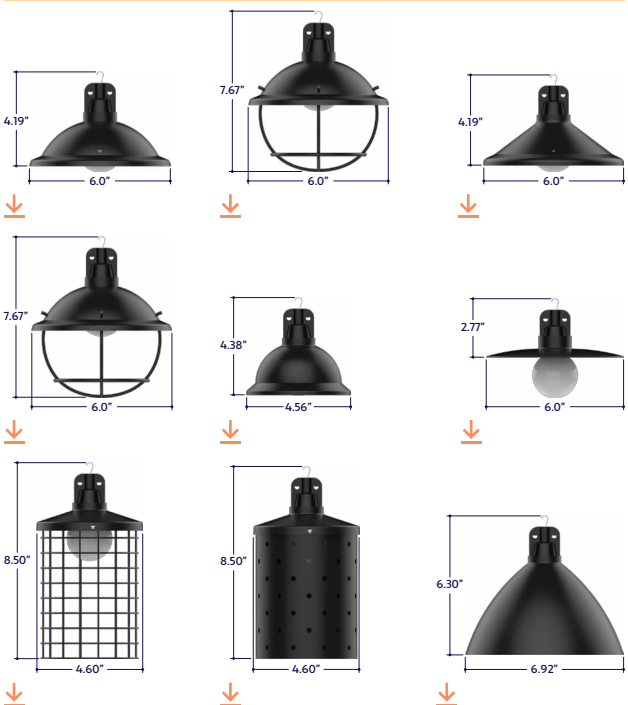
**Specification Submittal**

| Submitted by Enterprise Lighting, LTD. | | | |
|---|---|---|---|
| Enterprise Light<br>Manufacturers' Repres | **Job Name:**<br>Central at the Forge | **Catalog Number:**<br>A5-ZOZO-STN-36IN-XXK-GSF-WET-100FT<br>Notes: | **Type:**<br>**OS2**<br>ELL25-142749 |

ALUZ




## CANOPY OPTIONS (Click Image to See Individual Submittal)




# A5 Series | String / Festoon

## ZOZO Standard

(A5-ZOZO-STN)

**TYPE**

STATIC WHITE · STATIC COLORS · 10 DAY QUICK SHIP · FIELD CUTTABLE · DIMMING · DRY WET · RoHS COMPLIANT · MADE IN USA

## GENERAL FEATURES

| | |
|---|---|
| **Applications** | Indoor and Outdoor |
| **Length** | Built to Order (+/- 1/8" Tolerance) |
| **Finish** | Black |
| **Feed** | Standard 6' Power Lead |
| **Strain Relief** | Cable (Included, Not for Mounting) |
| **Mounting** | Mounting Aircraft Cable (Sold Separately) |
| **Listing** | Dry or Wet Location<br>ANSI/UL1598<br>CSA 22.2 No. 250.0-04, 2nd Edition |
| **Options** | Mesh, Canopies, or Cages |
| **UV Rating** | Sun Light Resistance |
| **Installation Link** | |

## ELECTRICAL

| | |
|---|---|
| **Dimming** | Forward Phase |
| **Maximum Run** | 250' without Canopies<br>100' with Canopies |
| **System** | 20 Amps (12 Gauge Wire) |
| **Wattage** | 1W or 3W Lamps (+/- 0.25W Tolerance) |
| **Operating Temperature** | -25°C to +45°C<br>(-13°F to +113°F) |
| **Luminaire Voltage** | 120V |

## SPECIFY PRODUCT CODE | CHOOSE FROM DROP DOWNS

100FT

| Series | | Spacing | Lamp | | Dimming | Listing | Luminaire Length |
|---|---|---|---|---|---|---|---|
| | | | XXK-GSF = Specify | | | | |
| Standard (No Canopy) **(A5-ZOZO-STN)** | Bell Canopy **(A5-ZOZO-BLL)** | 12" on Center **(12")** | 2700K, G-Shape **(27K-GSF)** | 5000K, G-Shape Filament **(50K-GSFL)** | Forward Phase **(DM)** | Indoor **(DRY)** | Specify Length in Feet **Example:** 100' |
| | | 18" on Center **(18")** | 5000K, G-Shape **(50K-GSF)** | 2700K, S-Shape Frosted **(27K-SSF)** | | | |
| Round Canopy **(A5-ZOZO-RND)** | Flat Canopy **(A5-ZOZO-FLT)** | 24" on Center **(24")** | Red, G-Shape **(R-GSF)** | 5000K, S-Shape Frosted **(50K-SSF)** | **Leave Blank for Non-Dimming** | Outdoor **(WET)** | |
| | | 36" on Center **(36")** | Green, G-Shape **(G-GSF)** | Orange, S-Shape Frosted **(OR-SSF)** | | | |
| Round Canopy with Cage **(A5-ZOZO-RNC)** | Mesh Canopy **(A5-ZOZO-MSH)** | 48" on Center **(48")** | Blue, G-Shape **(B-GSF)** | 2700K, S-Shape Clear **(27K-SSC)** | | | |
| | | 60" on Center **(60")** | Amber, G-Shape **(A-GSF)** | 5000K, S-Shape Clear **(50K-SSC)** | | | |
| Cone Canopy **(A5-ZOZO-CON)** | Barrel Canopy **(A5-ZOZO-BRL)** | | 2400K, G-Shape Filament **(24K-GSFL)** | Red, S-Shape Clear **(R-SSC)** | | | |
| | | | 2700K, G-Shape Filament **(27K-GSFL)** | Green, S-Shape Clear **(G-SSC)** | | | |
| Cone Canopy with Cage **(A5-ZOZO-COC)** | Hat Canopy **(A5-ZOZO-HAT)** | | 3000K, G-Shape Filament **(30K-GSFL)** | Blue, S-Shape Clear **(B-SSC)** | | | |
| | | | 3500K, G-Shape Filament **(35K-GSFL)** | Amber, S-Shape Clear **(A-SSC)** | | | |
| | | | 4000K, G-Shape Filament **(40K-GSFL)** | No Lamps*[1] **(NL)** | | | |

*[1] Lighting will be shipped without lamps.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**Specification Submittal**

ALUZ

## A5 Series | String / Festoon
**ZOZO** Standard
(A5-ZOZO-STN)

**TYPE**

## LAMP OPTIONS

**Lamp Image & Dimensions**

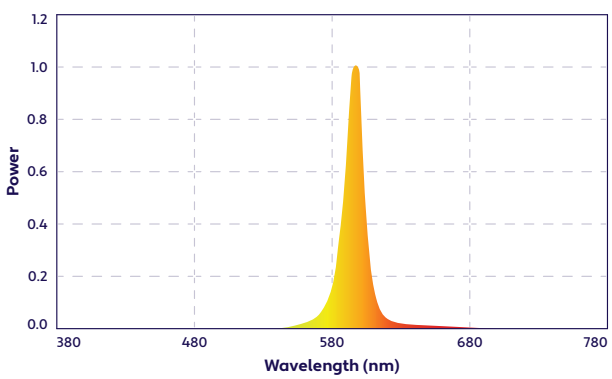
| **Lamp Name & Product Code** | G-Shaped Lamp **(GSF)** | G-Shaped Filament Lamp **(GSFL)** | S-Shaped Lamp **(SSF)** | S-Shaped Clear Lamp **(SSC)** |
|---|---|---|---|---|
| **Lamp Type** | Standard LED | Filament LED | Standard LED | Standard LED |
| **Material** | Polymer Plastic | Shatterproof Glass | Polymer Plastic | Polymer Plastic |
| **Lamp Life** | 20,000 hrs. | 25,000 hrs. | 20,000 hrs. | 20,000 hrs. |
| **CRI** | 80 | 90 | 75 | 80 |
| **Lumens** | 42 | 256 | 42 | 42 |
| **Beam Angle** | 360° | 360° | 360° | 360° |
| **Appearance** | Frosted | Clear | Frosted | Clear, Textured |
| **CCT & Colors** | **27K, 50K, R, G, B, A** | **24K, 27K, 30K, 35K, 40K, 50K** | **27K, 50K, OR** | **27K, 50K, R, G, B, A** |
| **Lamp Watts** | 1W | 3W | 1W | 1W |

**Note:** Lamp dimensions are subject to change without notice. +/- 0.25 Wattage Tolerance. CRI is based on 5.0K GSF, 3.0K GSFL, 5.0K SSF, and 5.0K SSC.

## LAMP SPECIFICATIONS

| Lamp Number | Correlated Color Temperature | Description | Available Lamp Shapes |
|---|---|---|---|
| **24K** | 2400 Kelvin | Incandescent White | **(GSFL)** |
| **27K** | 2700 Kelvin | Warm White | **(GSF), (GSFL), (SSF), (SSC)** |
| **30K** | 3000 Kelvin | Warm White | **(GSFL)** |
| **35K** | 3500 Kelvin | Neutral White | **(GSFL)** |
| **40K** | 4000 Kelvin | Neutral White | **(GSFL)** |
| **50K** | 5000 Kelvin | Cool White | **(GSF), (GSFL), (SSF), (SSC)** |
| **R** | Red | 621nm | **(GSF), (SSC)** |
| **G** | Green | 525nm | **(GSF), (SSC)** |
| **B** | Blue | 470nm | **(GSF), (SSC)** |
| **A** | Amber | 590nm | **(GSF), (SSC)** |
| **OR** | Orange | 610nm | **(SSF)** |

## SPECTRAL POWER DISTRIBUTION
## AMBER LED (590nm) TURTLE FRIENDLY



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ALUZ

**A5 Series** | String / Festoon
**ZOZO** Standard
(A5-ZOZO-STN)

**TYPE**

## ACCESSORIES (Sold Separately)

Vinyl Plastic End Cap
75A Durometer
**(A5-ZOZO-EC)**

| Part # | Qty. |
|---|---|
| A5-ZOZO-EC | |

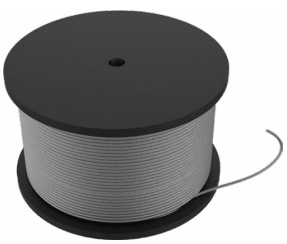
**Note:** Use 1 End Cap at the end of each run.

120V Power Plug
Rubber Casing
**(A5-ZOZO-PP)**

| Part # | Qty. |
|---|---|
| A5-ZOZO-PP | |

**Note:** Use 1 Power Plug for each run that will not be hardwired.

## MOUNTING ACCESSORIES (Sold Separately - Click Image to See Cut Sheet, If Applicable)

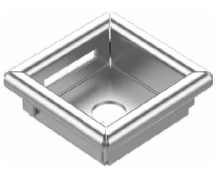


| Part # | Length | Qty. |
|---|---|---|
| A5-ZOZO-AC-18- | | |

**Note:** Order cable to desired length. Order in 50' increments up to 500' per reel.

| Part # | Qty. |
|---|---|
| A5-ZOZO-CL-18- | |

**Note:** Use 1 Cable Lock per run, if using this method. Refer to installation instructions for alternative mounting options.



Mounting Plate
Stainless Steel
**(A5-ZOZO-MP)**

| Part # | Qty. |
|---|---|
| A5-ZOZO-MP | |

**Note:** Use Mounting Plates when mounting to a ceiling. Refer to installation instructions for details.

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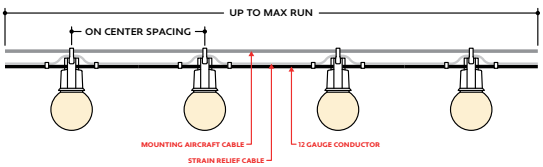
# ALUZ

## A5 Series | String / Festoon
**ZOZO** Standard
(A5-ZOZO-STN)

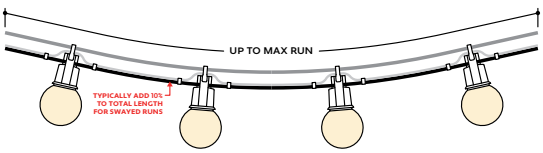
**TYPE**

## DESIGN GUIDELINES

### Straight Run

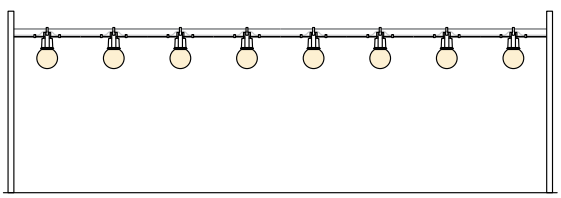



### Swayed Run

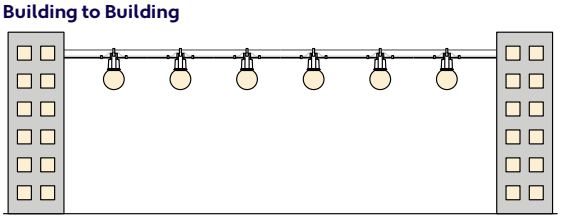



## INSTALLATION OPTIONS

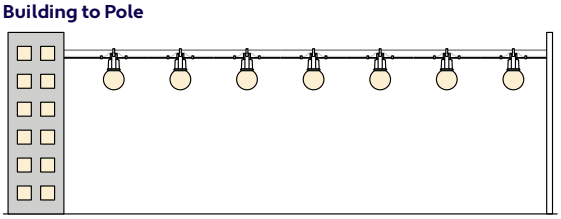
### Pole to Pole



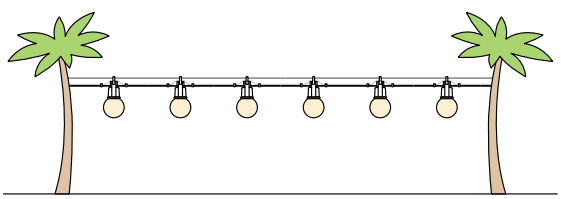
### Building to Building



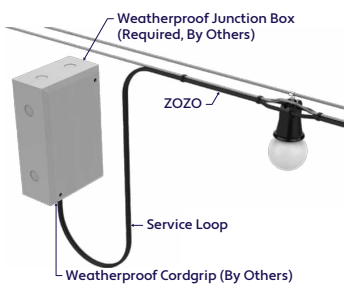
### Building to Pole



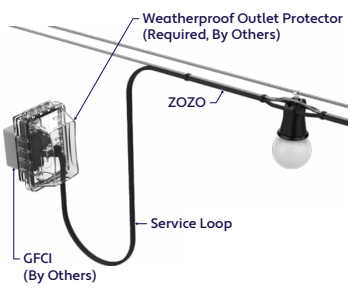
### Tree to Tree



## HARDWIRE INSTALLATION (Wet Location)




## POWER PLUG INSTALLATION (Wet Location)




## INSTALLATION RECOMMENDATIONS

- Determine weight of string light that will be used.
- Determine length of string light and multiply by weight.
- An engineer must choose the proper aircraft cable to handle the tension, based on length and weight to prevent product from sagging.
- An engineer must determine the strength of the structure where the cable will attach, based on tension calculation from previous step.
- If installing on a pole, check with pole manufacturer to confirm the pole can handle the tension.
- String light is hung to the above aircraft cable using the hooks. Secure hooks to aircraft cable by crimping or using stainless steel tie wraps.
- The supplied aircraft cable is designed to prevent strain on the wire. An additional aircraft cable is required to hang string light.

## WEIGHT PER FOOT

| Series | Spacing Selection | Approximate Weight *[1] |
|---|---|---|
| ZOZO Standard **(A5-ZOZO-STN)** | 12" on Center **(12")** | 0.30 lbs per foot |
| | 18" on Center **(18")** | 0.24 lbs per foot |
| | 24" on Center **(24")** | 0.21 lbs per foot |
| | 36" on Center **(36")** | 0.18 lbs per foot |
| | 48" on Center **(48")** | 0.17 lbs per foot |
| | 60" on Center **(60")** | 0.16 lbs per foot |

*[1] Includes Wire, Socket, Lamp, and Strain Relief Cable. Mounting Aircraft Cable Not Included.

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**Specification Submittal**

# WPX LED
## Wall Packs

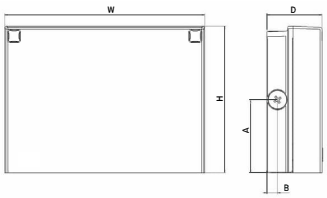
Catalog Number

Notes

Type

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

## Specifications




Front View Side View

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

## Introduction

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

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

## Ordering Information

**EXAMPLE:** WPX2 LED 40K MVOLT DDBXD

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

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

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

## FEATURES & SPECIFICATIONS

**INTENDED USE**
The WPX LED wall packs are designed to provide a cost-effective, energy-efficient solution for the one-for-one replacement of existing HID wall packs. The WPX1, WPX2 and WPX3 are ideal for replacing up to 150W, 250W, and 400W HID luminaires respectively. WPX luminaires deliver a uniform, wide distribution. WPX is rated for -40°C to 40°C.

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

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

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

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

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

**WARRANTY**
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

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

### Electrical Load

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

### Projected LED Lumen Maintenance

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

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

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

### Lumen Output

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

### Lumen Ambient Temperature (LAT) Multipliers

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

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

### HID Replacement Guide

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

### Emergency Egress Battery Packs

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

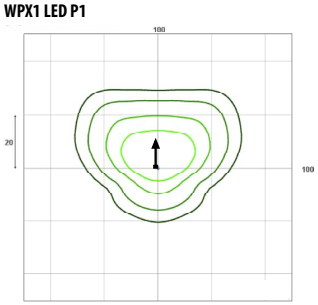
| Battery Type | Minimum Temperature Rating | Power (Watts) | Controls Option | Ordering Example |
|---|---|---|---|---|
| Standard | 0°C | 4W | E4WH | WPX2 LED 40K MVOLT **E4WH** DDBXD |
| Cold Weather | -20°C | 14W | E14WC | WPX2 LED 40K MVOLT **E14WC** DDBXD |

## Photometric Diagrams

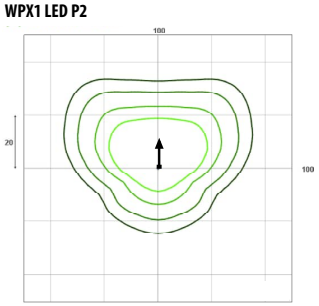
To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WPX LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards

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

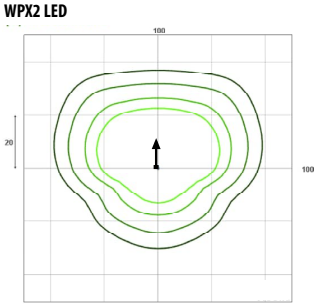
**WPX1 LED P1**



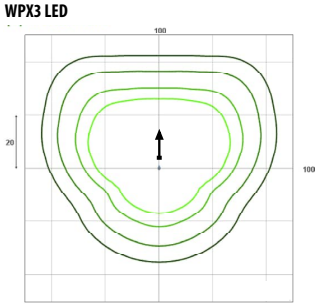

**WPX1 LED P2**




**WPX2 LED**




**WPX3 LED**




**Mounting Height = 12 Feet.**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# WAC LIGHTING

## Balance

Outdoor Wall Sconce

Fixture Type:
Catalog Number:
Project:
Location:

XX = Specify

| Model & Size | Color Temp | Finish | LED Watts | LED Lumens | Delivered Lumens |
|---|---|---|---|---|---|
| WS-W25106 6" | 3000K<br>3500K<br>4000K | BK Black<br>WT White | 11W | 307<br>352<br>314 | 130<br>146<br>127 |

Example: **WS-W25106-40-WT**
For custom requests please contact customs@waclighting.com

### DESCRIPTION

Functional style. Hang out with light.

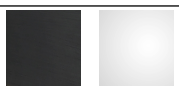
### FEATURES

- 3CCT (3000K/3500K/4000K) selectable switch
- Option to pre-select color temperature or adjust in the field
- ACLED driverless technology
- 5 year warranty

### SPECIFICATIONS

| | |
|---|---|
| **Color Temp:** | 3000K,3500K,4000K |
| **Input:** | 120 VAC,50/60Hz |
| **CRI** | 90 |
| **Dimming:** | ELV: 100-10% , TRIAC: 100-10% |
| **Rated Life:** | 54,000 Hours |
| **Mounting:** | Can be mounted on wall in all orientations |
| **Standards:** | ETL, cETL, Title 24 JA8 Compliant, ADA, Wet Location Listed |
| **Construction** | Aluminum body, tempered glass diffuser |

### FINISHES:



Black White

### LINE DRAWING