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 _____ ☐ Initial Submittal

Paid _____ ☐ 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): 1902 E. Johnson Street, 2010 Pennsylvania Ave, 2030 Pennsylvania Ave

Title: 2030 Pennsylvania (Hooper Site)

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

UDC meeting date requested 2.18.2026

☑ 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 Joey Wisniewski Company New Land Enterprises

Street address 1840A N. Farwell Ave City/State/Zip Milwaukee, WI 53202

Telephone 414.271.5263 Email joey@newlandmke.com

Project contact person Same as above Company _____

Street address _____ City/State/Zip _____

Telephone _____ Email _____

Property owner (if not applicant) New Land Enterprises (Under contract with Hooper Construction Corp. Permission attached.)

Street address _____ City/State/Zip _____

Telephone _____ Email _____

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 Vaugn on 12.22.2025.
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 Joey Wisniewski Relationship to property Authorized Agent of Purchaser

Authorizing signature of property owner Joey Wisniewski Date 1.5.2026

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

HOOPER

11/25/2025

To Whom It May Concern,

Per our agreed upon Letter of Intent, New Land Enterprises has authority to propose an infill development project on HOOPER CORPORATION's parcels 251/0710-063-1601-4, 251/0710-063-1602-2, and 251/0710-063-1603-0.

Sincerely,

Robert Schaller
CFO
Hooper Corporation

PO Box 7455 • Madison, WI 53707-7455
6450 Pederson Crossing Boulevard • DeForest, WI 53532
Ph (608) 249-0451 • **hoopercorp.com**

New Land Enterprises
1840A N. Farwell Avenue
Milwaukee, Wisconsin 53202
414.271.LAND

LETTER OF INTENT - 2030 Pennsylvania (Hooper Site)
2030 - 2034, 2076 Pennsylvania Avenue
2010 Pennsylvania Avenue
1902 E. Johnson Street
Madison, Wisconsin 53704

New Land Enterprises (NLE) is excited to introduce our redevelopment vision for the 2030 Pennsylvania project. NLE is proposing a multi-phase, mixed-use neighborhood-focused redevelopment at the former headquarters of the Hooper Corporation. We believe this site represents one of the most important and exciting development opportunities in Madison.

Please note: For this application, we are only seeking review and approval for the new residential construction on the north portion of the site located at 2030 Pennsylvania Avenue. Future phases of development will be applied for and reviewed separately.

The site is positioned at the intersection of multiple vibrant areas: the Capitol East corridor, the Oscar Mayer district, the North Street neighborhood, the Sherman neighborhood, the Tenney-Lapham neighborhood, and the Village of Maple Bluff. The site's adjacency to the Madison Public Market only amplifies the importance of the site.

The first phase of development proposes a multi-family development consisting of 493(+/-) premium-grade residential units on the northern half of the property, where the Capitol East district meets the North Street neighborhood and Oscar Mayer district on Madison's East Side. Future phases of redevelopment include adaptive reuse of the Scanlan Morris building and a wood-truss warehouse building, creating over 64,000 SF of commercial, retail, and office space, the creation of pedestrian public plazas, and the construction of a statement civic building or similar use adjacent to the Madison Public Market.

The proposed redevelopment of the 8.36-acre site would replace primarily vacant buildings and surface parking lots related to the former Hooper Corporation headquarters. Selective demolition of buildings found not to be historic or contributing to the character of the neighborhood will be required for the proposed redevelopment.

We believe this proposal maintains the integrity and quality of the existing neighborhood and ensures that new development is complementary to the surrounding uses. The proposed project will create a vibrant, active mix of uses with a stable, diverse mix of housing types for a wide range of residents.

In addition to the new construction, the adaptive reuse of key character buildings, and the creation of new civic and public spaces, New Land, in collaboration with the City of Madison and Wisconsin Department of Transportation, proposes traffic calming measures, bicycle infrastructure, and pedestrian safety improvements along State Highway 113 (Pennsylvania Ave/E. Johnson Street). A bike path is also being considered along the railroad tracks to the west of the property.

The scale of our vision is ambitious, but that is what this site deserves. We've spent a considerable amount of time considering the "why", "what", and "how" of our proposal. Our vision crosses the nexus of transformational, catalytic, and feasible. To bring this vision to reality, we have assembled a world-class team with significant expertise in their respective fields, specifically tailored for a project of this scale and scope, with a proven track record of ability to execute.

PROJECT DETAILS

Residential Phasing, Construction, & Unit Mix
The current Urban Design Commission (UDC) submittal is for the residential portion of the proposed development on the north half of the site - Phase 1. The future development of the southern half of the site, Phase 2, will require a separate submittal and approval.

The project proposes the construction of one apartment building constructed in two phases - Phase 1A and Phase 1B. Phase 1A consists of 256(+/-) units. Phase 1B consists of 237(+/-) units. The total number of units is approximately 493, but may change slightly with continued design. Both phases include townhome units along Pennsylvania Avenue. Construction phasing is scheduled to flow seamlessly from Phase 1A to Phase 1B. When Phase 1A reaches stabilized occupancy, Phase 1B is scheduled to be completed and open for occupancy. A phasing exhibit is included in our submittal documents.

The apartment building will be oriented towards Pennsylvania Avenue on the north portion of the site. The rear of the building will be adjacent to the existing railroad tracks. A small surface parking lot will buffer the apartment building from the railroad tracks and existing electrical lines.

The podium of the building will be constructed of precast concrete. The residential units vertical from the podium are designed in an interlocking backward "L" configuration constructed of wood frame. Two-story townhome units with private entrances will face Pennsylvania Avenue. Liner units are designed on the second floor facing north and south. The main lobby, leasing office, and fitness center will be located at street level on the southeast corner. A secondary office and fitness room are designed in the northwest corner. The townhomes, liner units, and community spaces on the first floor not only hide the parking from street view, but they also provide visual building penetration with large masses of windows and added vibrancy of residential ingress/egress.

The buildings will house approximately 493 dwelling units with a market-driven mix of living options:

- Studio:	108
- Junior One Bedroom:	127
- One Bedroom:	161
- One Bedroom Plus Den:	22
- Two Bedrooms:	75 (includes 18 townhomes)
Total:	493

Amenities
The units are designed with the resident in mind. Careful attention was taken to maximize floor plan efficiency, functionality, and flexibility to provide residents with great value. Each unit will feature an open concept with premium finishes including custom cabinetry, expansive windows, stone countertops, upgraded appliances, over-sized balconies, and 9-foot ceilings. The flooring will consist of high-quality carpet and LVT plank flooring throughout. Full-sized washers and dryers are included in each unit. Units on the third floor will include private walkout patios. The townhomes will enjoy private walkout patios, ground-level entry, and preferred internal parking.

The proposed development will feature such amenities as an elevated pool deck, community club room, golf simulator, coworking space, 24-hour fitness center with state-of-the-art equipment, pet spa, dog run, secure parcel room, bicycle parking, a water therapy room, and on-site management offices housed within the apartment building.

Site Access & Parking
Currently, the site has nine access points along Pennsylvania Avenue/E. Johnson Street. We will consolidate vehicular access to four points. The residential phase will have two vehicular access points: one at the north of the residential building and the other at the south. Internal residential parking will be accessed from the rear of the site, hidden from street view. A site plan is included in the submittal package.

Resident parking is housed in a controlled garage on the first and second floors of the residential building, which can park 572 vehicles, achieving parking ratios of 1.16 stalls/unit and 1.01 stalls/bedroom.

Bicycle parking is included and achieves a 1.01 bicycle stall/unit.

Urban Design Guidelines - Urban Design District #4

The redevelopment site is located in Urban Design District #4. The proposed design pays close attention to address the district design criteria outlined below.

1. Public Right of Way
    a. Our design includes landscaped bump-outs along Pennsylvania Avenue to slow traffic coming from the north. This includes reducing vehicular traffic from three lanes to two, starting at 3rd Street until it reaches 1st and E. Johnson Streets. The new lane will be a combination of new plantings and a parking lane for residents and visitors. The portion of the new project facing Pennsylvania on the street level will be townhomes and entries with a low garden wall and fence. The additional parked and landscaped lane will be a buffer from the currently busy and high-speed state highway.
2. Off-Street Parking and Loading Areas
    a. All off-street parking will be visually blocked from the main street (Pennsylvania Ave.) within an indoor parking structure surrounded by residential infrastructure. Any loading will take place along the service drives closest to the main elevators of the building.
    b. New tree canopies will shade new outdoor parking found along the service drive between the rear of the building and the train tracks as required by code.
3. Signage
    a. All signage will be integrated into the architecture of the building, located on the entrance canopies, and blade signs indicating the main and secondary entrances of the building.
4. Building Design
    a. The building is designed with a combination of exterior veneer brick cladding.
    b. The townhomes along Pennsylvania move in an in-and-out, 2-story fashion to indicate a grouping of homes. Each townhome includes a recessed entry, garden wall, and metal fence and gate.
    c. The longer façade facing Pennsylvania features a combination of veneer brick and fiber cement lap siding, which helps break up the façade along the long elevation.
    d. Groupings of metal balconies help to break up the façade visually, both vertically and horizontally over the extent of the elevation.
5. Lighting
    a. Exterior lighting will illuminate all egress and ingress entrances and pathways without reflecting glare to the street or other public right-of-ways.
    b. Security lighting will be provided at the rear parking and service drive located on the North, West, and South facades.
    c. Each of the townhouses will have a porch light indicating private residential stoops.
6. Landscaping

a. All new landscaping will be consistent with hardy materials for Wisconsin winters and provide color as needed for the remainder of the year.

b. Landscaping will be used in a decorative fashion both on the amenity deck for residents living in the apartments above grade, as well as in front of the townhomes.

c. All new canopy trees will meet the requirement for a 3-inch caliper when planted.

7. Utilities

    a. This site poses several overhead utility design challenges. This development will work with MG&E to coordinate the potential removal of overhead and underground electrical lines.

POTENTIAL FUTURE PHASES

Commercial Building Renovation, Public Space, and New Construction

When the residential building is complete, redevelopment of the southern portion of the site will begin. First, selective demolition of buildings is anticipated for building additions and structures that add no historic value or character to the development. This includes several additions to the Scanlan-Morris Build of varying generations of inferior building materials and design.

The next step is the adaptive reuse of the Scanlan-Morris building, redevelopment of the wood-truss building, the creation of pedestrian plazas, and the construction of a statement building or civic use at the southern point of the site, adjacent to the Madison Public Market. Below are brief descriptions of potential uses for each building element:

- Scanlan-Morris Building:
  Adaptive reuse for potential office space, maker/craft studios, neighborhood-scale manufacturing (brewing, distilling, coffee roasting, food production, etc.), and 1st floor restaurant operator.

- Wood-truss Building:
  Redevelopment for potential atrium/garden-like commercial and retail uses.

- Public Plazas:
  Pedestrian zones are designed along Pennsylvania Avenue/E. Johnson Street to maximize neighborhood physical and visual access to the public realm. A main courtyard plaza is designed between the Scanlan-Morris Building and the wood-truss building to maximize daytime use from tenants, customers, and visitors of the retail/commercial buildings while being in close proximity to the residential building. This creates an 18-hour window of potential users of the spaces. The public spaces can also serve as overflow for visitors to the Madison Public Market.

- Statement Building/Civic Space:
  The southern point of the site creates an incredible opportunity for something truly special. It is a gateway north to south *and* east to west. It is the apex of all the surrounding neighborhoods. It also has incredible potential as an inflection point for people and architecture with the Madison Public Market. Although critical to the site's long-term success, this portion of the development will be developed in the later stages of the overall project. We look forward to collaborating with the City leadership, staff, neighbors, and the business community to deliver a capstone element worthy of the location.

Potential for Transit Node & Maximized Economic Development

NLE is aware that Amtrak and the Department of Transportation have identified the 2030 Pennsylvania site as a potential location for a passenger train station and transit hub. Although the Wilson Street/Monona Terrace location has been selected as a preferred site via draft study from the City of Madison Department of Transportation, we wanted to approach the site thoughtfully, with flexibility, should the 2030 Pennsylvania

site be more feasible for rail transit construction (both cost and access), provide faster regional travel times, and maximize economic development impact.

A transit station site plan option is included in the submittal package. The transit office could be located in the wood-truss building, which would serve as a central station with close proximity to bicycle infrastructure and the bus-rapid transit route on 1st Street and E. Washington Avenue. The proposed surface parking lot to the rear of the Scanlan-Morris Building could be developed vertically to structure the parking and develop an office building or hotel.

PROPERTY MANAGEMENT

As long-term community partners and investors, the proposed development (like all of our projects) will be managed by NLE's award-winning Property Management and Asset Management teams. The number of units proposed allows for full-time management and maintenance staff on-site.

PROJECT SCHEDULE

NLE is under contract to purchase the land from Hooper Corporation. The project requires several municipal approvals for the UDC, Conditional Use, Certified Survey Map, and Demolition. Municipal approvals are ongoing and scheduled to be completed by March 2026. Preliminary municipal meeting dates are shown below:

- UDC Informational Meeting: 12.17.2025 (Complete)
- Neighborhood Informational Meeting: 12.22.2025 (Complete)
- North Side Neighborhood Assn Meeting: TBD February or March
- Landmarks Commission Meeting: 2.9.2026
- UDC Initial/Final Meeting: 2.18.2026
- Plan Commission Meeting: 3.2.2026
- Common Council Meeting: 3.10.2026

Due Diligence of the site is ongoing and scheduled to be completed in the Summer 2026. Construction loan closing is anticipated to be completed by Summer 2026, with construction beginning in Fall 2026. Construction completion for Phase 1A has an estimated completion date in Fall 2028. Phase 1B construction will commence as Phase 1A reaches occupancy stabilization.

Construction and renovation of the southern half of the site will commence when the residential phase of the project is completed. This is an intentional choice for the following reasons:

1. Completing the residential phase creates needed demand for the commercial/retail phase and the Madison Public Market.

2. Currently, the site is in a Qualified Census Tract (QCT) and Opportunity Zone (OZ), which is advantageous for raising the required investment capital for the project. The OZ program is set to expire in 2026, which makes the approval and financial process time-critical to start construction before the end of 2026 to be OZ-eligible.

3. Completing the residential phase creates a new tax base neighborhood investment.

Traffic calming measures, bicycle infrastructure, and pedestrian safety improvements along State Highway 113 (Pennsylvania Ave/E. Johnson Street) will be addressed in collaboration with the City of Madison and Wisconsin Department of Transportation concurrently with this submittal.

NEIGHBORHOOD & UDC INPUT

At the UDC Introduction and Neighborhood Informational meetings mentioned above, the project received overwhelming positive feedback. There was constructive dialogue from all parties that helped inform revisions that enhance the project. Changes made to the project based on UDC and neighborhood input can be found in the project renderings/plans and listed below:

1. Detailed landscape plans included.

2. Boxcar door opened and string lighting attached to show connectivity to the resident plaza.

3. Panels added along first and second floors with colors matching the boxcar to create a “train-like” movement of materials along Pennsylvania Avenue.

4. Painted concrete panels added to the west elevation to provide a visual connection around the building of “train-like” movement, and provide a better visual experience for neighbors to the west.

ABOUT NEW LAND ENTERPRISES

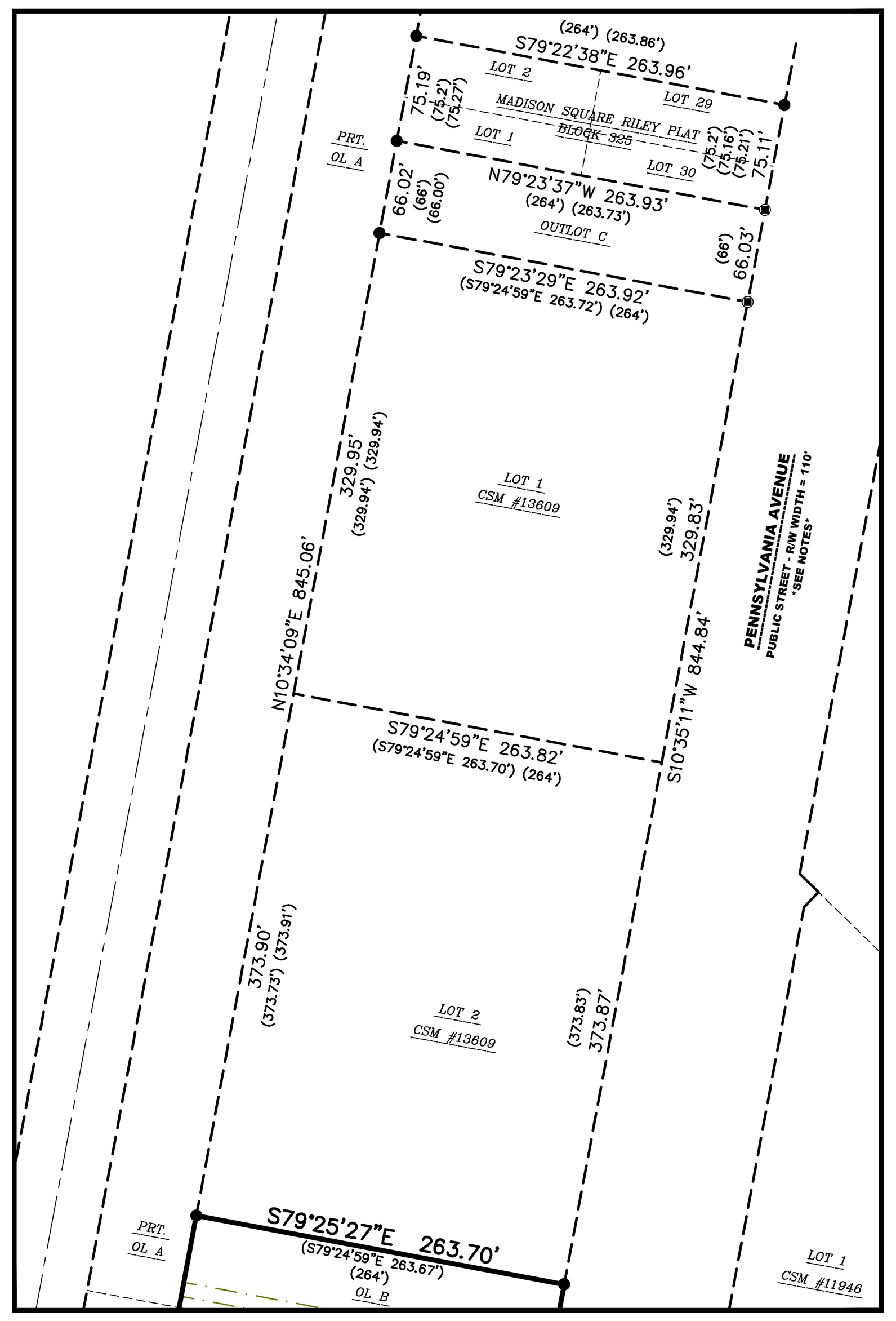
Founded in 1993, New Land Enterprises is an internationally recognized and award-winning real estate development firm specializing in market-rate mixed-use residential and commercial real estate. To date, the company has developed 30+ projects with a value in excess of $740M. We have a passion for creating memorable, experience-driven developments with an urban feeling using superior engineering, with expertise in light-frame wood, light gauge steel, post-tension concrete, and mass timber structures.

New Land is vertically integrated, providing accounting services and award-winning property and asset management for a diverse portfolio of 2,250+ apartments and 200,000 SF of commercial space. We’ve won nine municipal RFPs, formed multiple successful public-private partnerships, converted a vacated alley into a top tourist destination, renovated a historic grand movie palace, and transformed streets into pedestrian plazas (yes, plural).

In addition to pioneering mass timber, our history of innovation includes being the first in Wisconsin to use light gauge steel in multi-family development, radiant hydronic heating systems, and micro-units with integrated furniture. Our buildings are some of the most efficient in the marketplace with LEED v5 and Green Globes certifications, as well as best-in-class Energy Star performance of 97+.

ALTA/NSPS LAND TITLE SURVEY

LOTS 1–49, EXCLUDING LANDS DESCRIBED IN DOC. #1156174, ALL IN BLOCK 313, ALSO PART OF OUTLOT A AND ALL OF OUTLOT B, ALL IN MADISON SQUARE RILEY PLAT, AS RECORDED IN VOLUME 3 OF PLATS, ON PAGES 9A–9, AS DOC. #253138, DANE COUNTY REGISTRY, LOCATED IN THE FRACTIONAL SW¼–SW¼, NW¼–SW¼, SW¼–NW¼, NW¼–NW¼, THE NE¼–NW¼ AND THE SE¼–NW¼ ALL IN SECTION 06, TOWNSHIP 07 NORTH, RANGE, 10 EAST, CITY OF MADISON, DANE COUNTY, WISCONSIN



DETAIL #1
SCALE: 1"=100'
SCALE IN FEET
100' 0 100'

LEGAL DESCRIPTION (AS FURNISHED): (FIRST AMERICAN TITLE INSURANCE COMPANY NATIONAL COMMERCIAL SERVICES, 25 WEST MAIN STREET, SUITE 400, MADISON, WI 53703; FILE No.: NCS–1280954–MAD, COMMITMENT DATE: OCTOBER 14, 2025, AT 7:30 A.M)

PARCEL 1: LOTS ONE (1), TWO (2), THREE (3), FOUR (4), FIVE (5), SIX (6), SEVEN (7), EIGHT (8), FORTY–THREE (43), FORTY–FOUR (44), FORTY–FIVE (45), FORTY–SIX (46), FORTY–SEVEN (47), FORTY–EIGHT (48), FORTY–NINE (49) AND THE SOUTHWESTERLY 20 FEET OF LOT NINE (9), ALL IN BLOCK THREE HUNDRED THIRTEEN (313), MADISON SQUARE RILEY PLAT, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN, EXCEPT THAT PART CONVEYED BY WARRANTY DEED RECORDED IN VOLUME 815 OF DEEDS, PAGE 93, AS DOCUMENT NO. 1156174.

AND

ALL THAT PART OF OUTLOT A, BLOCK THREE HUNDRED THIRTEEN (313), MADISON SQUARE RILEY PLAT, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN, LYING SOUTHWESTERLY OF A STRAIGHT LINE PARALLEL TO THE LINE BETWEEN LOTS EIGHT (8) AND NINE (9) OF SAID BLOCK THREE HUNDRED THIRTEEN (313) AND 20 FEET NORTHEASTERLY THEREFROM, EXTENDED TO THE NORTHWESTERLY LINE OF SAID OUTLOT A.

TAX KEY NO.: 251/0710–063–1601–4;
PROPERTY ADDRESS: 1902 E. JOHNSON STREET & 2002 PENNSYLVANIA AVENUE, MADISON, WI 53704.

PARCEL 2: THE NORTHEASTERLY 24 FEET OF LOT NINE (9) AND ALL OF LOTS TEN (10), ELEVEN (11), TWELVE (12), FORTY–ONE (41) AND FORTY–TWO (42), BLOCK THREE HUNDRED THIRTEEN (313), MADISON SQUARE RILEY PLAT, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN AND THAT PORTION OF OUTLOT A MADISON SQUARE RILEY PLAT, LYING BETWEEN A LINE EXTENDED NORTHWESTERLY AND PARALLEL TO THE LINE BETWEEN LOTS 9 AND 10 AND 24 FEET SOUTHWESTERLY THEREFROM, AND A LINE EXTENDED NORTHWESTERLY BETWEEN LOTS 12 AND 13, TOGETHER WITH A RIGHT OF WAY 20 FEET IN WIDTH ALONG THE SOUTHWESTERLY BOUNDARY OF LOTS 13 AND 40, BLOCK 313, RILEY PLAT, AND THE SOUTHWESTERLY BOUNDARY OF THAT PART OF OUTLOT A LYING BETWEEN A LINE EXTENDED NORTHWESTERLY BETWEEN LOTS 12 AND 13 AND A LINE EXTENDED PARALLEL THERETO AND 20 FEET NORTHEASTERLY THEREFROM, WHICH RIGHT OF WAY SHALL BE FOR THE SOLE USE AND BENEFIT OF THE OWNERS OF LOTS 12, 13, 40 AND 41, BLOCK 313, MADISON SQUARE RILEY PLAT.

ALSO DESCRIBED AS:

THE NORTHEASTERLY 24 FEET OF LOT NINE (9) AND ALL OF LOTS TEN (10), ELEVEN (11), TWELVE (12), FORTY–ONE (41) AND FORTY–TWO (42), BLOCK THREE HUNDRED THIRTEEN (313), MADISON SQUARE RILEY PLAT, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN AND THAT PORTION OF OUTLOT A MADISON SQUARE RILEY PLAT, LYING BETWEEN A LINE EXTENDED NORTHWESTERLY AND PARALLEL TO THE LINE BETWEEN LOTS 9 AND 10 AND 24 FEET SOUTHWESTERLY THEREFROM, AND A LINE EXTENDED NORTHWESTERLY BETWEEN LOTS 12 AND 13, TOGETHER WITH A RIGHT OF WAY FOR VEHICULAR AND PEDESTRIAN INGRESS AND EGRESS AND UTILITIES 20 FEET IN WIDTH ALONG THE SOUTHWESTERLY BOUNDARY OF LOTS 13 AND 40, BLOCK 313, RILEY PLAT, AND THE SOUTHWESTERLY BOUNDARY OF THAT PART OF OUTLOT A LYING BETWEEN A LINE EXTENDED NORTHWESTERLY BETWEEN LOTS 12 AND 13 AND A LINE EXTENDED PARALLEL THERETO AND 20 FEET NORTHEASTERLY THEREFROM, WHICH RIGHT OF WAY SHALL BE FOR THE SOLE USE AND BENEFIT OF THE OWNERS OF LOTS 12, 13, 40 AND 41, BLOCK 313, MADISON SQUARE RILEY PLAT.

TAX KEY NO.: 251/0710–063–1602–2
PROPERTY ADDRESS: 2010 PENNSYLVANIA AVENUE, MADISON, WI 53704.

PARCEL 3: LOTS THIRTEEN (13) AND FOURTEEN (14), BLOCK THREE HUNDRED THIRTEEN (313), RILEY PLAT, A/K/A MADISON SQUARE RILEY PLAT, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN. ALL OF LOTS FIFTEEN (15), SIXTEEN (16), SEVENTEEN (17), EIGHTEEN (18), NINETEEN (19) AND TWENTY (20), AND THE NORTHWEST 32 FEET OF LOTS THIRTY–THREE (33), THIRTY–FOUR (34),

THIRTY–FIVE (35), THIRTY–SIX (36), THIRTY–SEVEN (37) AND THIRTY–EIGHT (38), BLOCK THREE HUNDRED THIRTEEN (313), RILEY PLAT, A/K/A MADISON SQUARE RILEY PLAT, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

AND

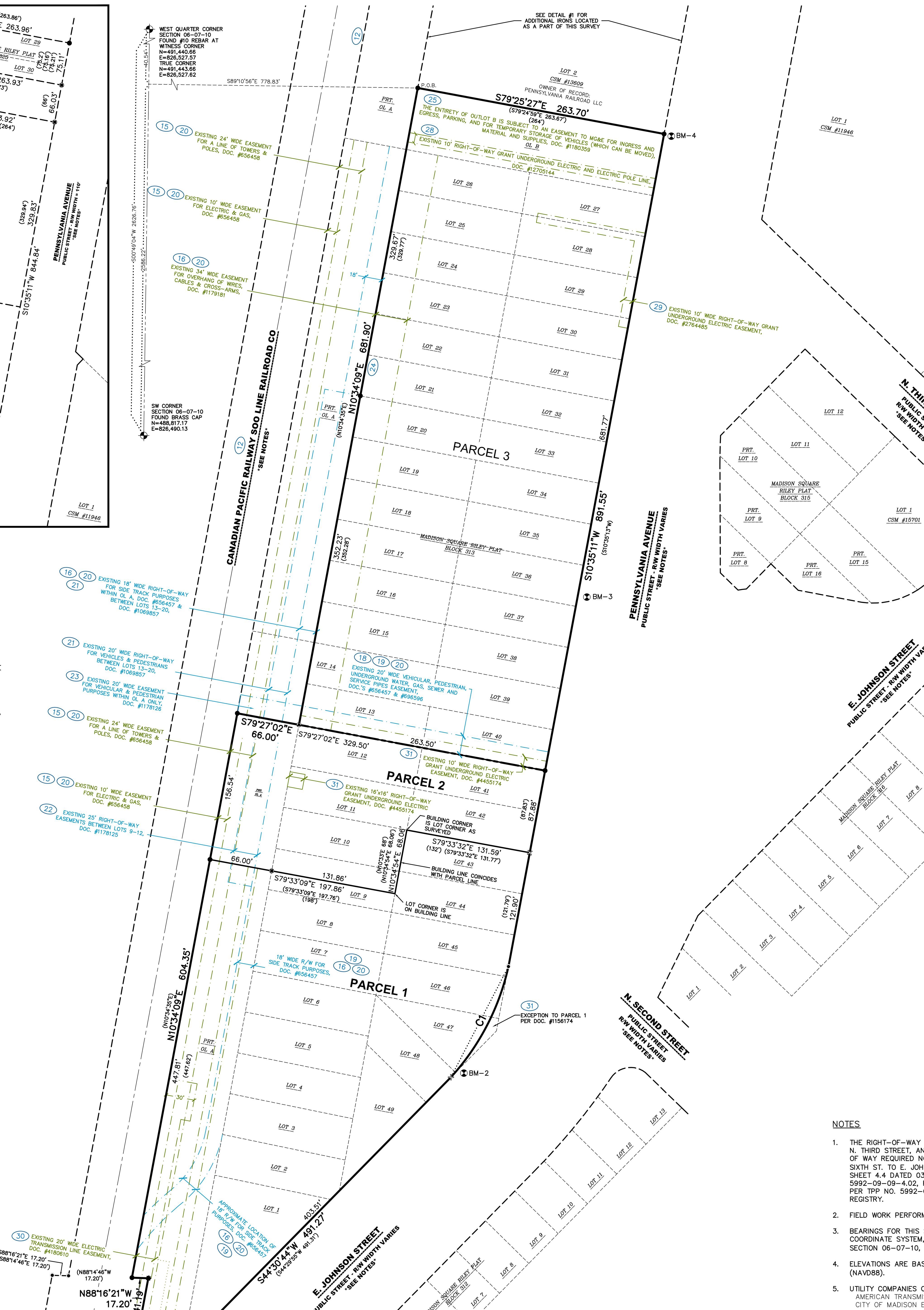
ALL OF LOTS TWENTY–ONE (21), TWENTY–TWO (22), TWENTY–THREE (23), TWENTY–FOUR (24),

TWENTY–FIVE (25), TWENTY–SIX (26), TWENTY–SEVEN (27), TWENTY–EIGHT (28), TWENTY–NINE (29), THIRTY (30), THIRTY–ONE (31), THIRTY–TWO (32), THE SOUTHEASTERLY 100 FEET OF LOTS THIRTY–THREE (33), THIRTY–FOUR (34), THIRTY–FIVE (35), THIRTY–SIX (36), THIRTY–SEVEN (37), THIRTY– EIGHT (38), AND ALL OF LOTS THIRTY–NINE (39) AND FORTY (40), BLOCK THREE HUNDRED THIRTEEN (313), RILEY PLAT, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

AND

OUTLOT B, BLOCK THREE HUNDRED THIRTEEN (313), RILEY PLAT, A/K/A MADISON SQUARE RILEY PLAT, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

TAX KEY NO.: 251/0710–063–1603–0
PROPERTY ADDRESS: 2030, 2034, 2076, & 2098 PENNSYLVANIA AVENUE, MADISON, WI 53704.



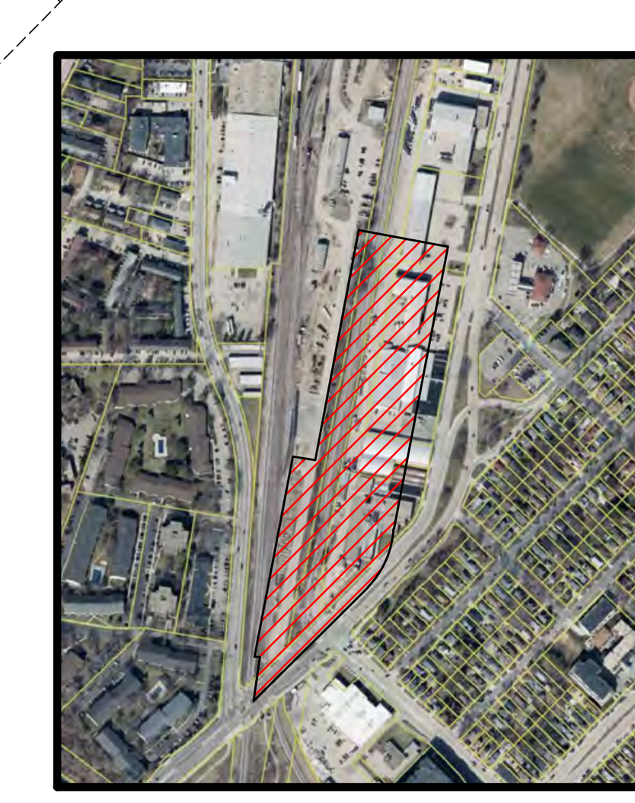
CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	CHORD	CHORD BEARING
C1	132.82' (132.84')	255.73'	29°45'26" (29°45'44")	131.33' (131.35')	S27°26'44"W (S27°32'34"E)

BENCHMARKS

BENCH MARK	ELEVATION	DESCRIPTION
BM–1	851.45'	"BURY BOLT" OF HYDRANT LOCATED IN THE NORTH QUADRANT OF THE INTERSECTION OF E. JOHNSON STREET & N. FIRST STREET.
BM–2	852.12'	"BURY BOLT" OF HYDRANT LOCATED ON THE NORTH SIDE OF E. JOHNSON STREET 150'± SW OF THE INTERSECTION WITH N. SECOND STREET.
BM–3	853.35'	"BURY BOLT" OF HYDRANT LOCATED ON THE NORTHWEST SIDE OF E. JOHNSON STREET 400'± N OF THE INTERSECTION WITH N. SECOND STREET.
BM–4	853.55'	"BURY BOLT" OF HYDRANT LOCATED IN THE NORTHWEST QUADRANT OF THE INTERSECTION OF PENNSYLVANIA AVENUE & N. THIRD STREET.

*JSD PROFESSIONAL SERVICES, INC. DOES NOT GUARANTEE THAT THE BENCHMARK ELEVATIONS LISTED ON THIS MAP HAVE NOT BEEN DISTURBED SINCE THE DATE OF THIS SURVEY AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION ACTIVITIES.



VICINITY MAP
NOT TO SCALE

NOTES

1. THE RIGHT–OF–WAY FOR E. JOHNSON STREET, N. FIRST STREET, N. SECOND STREET, N. THIRD STREET, AND PENNSYLVANIA AVENUE HAS BEEN SHOWN PER PLAT OF RIGHT OF WAY REQUIRED NORTHPORT DR. PACKERS AVE. WIS. HWY 113, PHASE III–AMENDED SIXTH ST. TO E. JOHNSON PROJECT T–0219(3), SHEET 2, DATED 2–21–1967 OR PER SHEET 4.4 DATED 03–085–1966, PER TRANSPORTATION PROJECT PLAT NO: 5992–09–09–4.02, RECORDED AS DOC. NO. 5392054, DANE COUNTY REGISTRY, OR PER TPP NO. 5992–09–09–4.03, RECORDED AS DOC. NO. 5392055, DANE COUNTY REGISTRY.
2. FIELD WORK PERFORMED ON NOVEMBER 20, 2025.
3. BEARINGS FOR THIS SURVEY AND MAP ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, DANE ZONE. THE WEST LINE OF THE SOUTHWEST QUARTER OF SECTION 06–07–10, RECORDED AS S00°49'04"W.
4. ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
5. UTILITY COMPANIES CONTACTED THRU DIGGERS HOTLINE:
   AMERICAN TRANSMISSION — ROGERS COMMUNICATIONS CANADA INC.
   CITY OF MADISON ENGINEERING — MCI
   MADISON GAS AND ELECTRIC CO — MADISON METROPOLITAN SEWERAGE DISTRICT
   WINDSTREAM — AT&T DISTRIBUTION
   COGENT COMMUNICATIONS — US SIGNAL
   LEVEL 3 NOW LUMEN
6. BEFORE EXCAVATION, APPROPRIATE UTILITY COMPANIES SHOULD BE CONTACTED. FOR EXACT LOCATION OF UNDERGROUND UTILITIES, CONTACT DIGGERS HOTLINE, AT 1.800.242.8511.

SURVEYOR'S CERTIFICATE

i) CAH CO JOHNSON, LLC, A LIMITED LIABILITY COMPANY, AS TO PARCELS 1 & 2; HOOPER CORPORATION f/k/a HOOPER CONSTRUCTION CORPORATION, A WISCONSIN CORPORATION f/k/a C.A. HOOPER COMPANY, f/k/a 2030 PENNSYLVANIA AVENUE CORPORATION, AS TO PARCEL 3;
ii) NEW LAND ENTERPRISES, LLC, A WISCONSIN LIMITED LIABILITY COMPANY
iii) FIRST AMERICAN TITLE INSURANCE COMPANY NATIONAL COMMERCIAL SERVICES

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS AND INCLUDES ITEMS 1, 2, 3, 4, 5, 6(b), 7(a), 7(b)(1), 8, 9, 11(b), 13, 14, 16, 17, 19, AND 20 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON NOVEMBER 20, 2025.

Todd J. Buhr — 12-24-2025

TODD J. BUHR, S–2614
PROFESSIONAL LAND SURVEYOR
Email: todd.buhr@jsdinc.com
Phone: (608) 209–5284
Website: www.jsdinc.com

DATE

WISCONSIN — TODD J. BUHR S–2614 DEFOREST, WI — LAND SURVEYOR

LEGEND

Symbol	Symbol	Line type
GOVERNMENT CORNER	LIGHT POLE	CONCRETE CURB & GUTTER
1" IRON PIPE FOUND	YARD LIGHT	EDGE OF PAVEMENT
3/4" REBAR FOUND	ELECTRIC MANHOLE	EDGE OF GRAVEL
RAILROAD SPIKE FOUND	POWER POLE W/GUY	SANITARY SEWER
CHISELED "X" FOUND	TRAFFIC SIGNAL	WATER LINE
BENCHMARK	VAULT	STORM SEWER
BOLLARD	TELEPHONE PEDESTAL	FORCE MAIN
MAIL BOX	CABLE PEDESTAL	NATURAL GAS
SIGN	DECIDUOUS TREE	OVERHEAD LINE
SANITARY MANHOLE	CONIFEROUS TREE	UNDERGROUND ELECTRIC
WATER MANHOLE	HANDICAP PARKING	BUILDING
HYDRANT	PARCEL BOUNDARY	INDEX CONTOUR
WATER VALVE	SECTION LINE	INTERMEDIATE CONTOUR
STORM MANHOLE	RIGHT–OF–WAY LINE	BITUMINOUS PAVEMENT
ROUND CASTED INLET	PLATTED LOT LINE	CONCRETE PAVEMENT
CURB INLET	CHORD LINE	GRAVEL
ENDWALL/END OF PIPE	SETBACK LINE	PAVEMENT STRIPING
GAS VALVE	EASEMENT LINE	END OF FLAGGED UTILITIES
ELECTRIC TRANSFORMER	LANDSCAPE LIMITS	( ) DENOTES RECORDED AS MEASUREMENTS DEPICTING THE SAME LINE ON THE GROUND AS RETRACED BY THIS SURVEY (SEE NOTES)
	FENCE LINE	
	STONE WALL	

NOTES CORRESPONDING TO TABLE A REQUIREMENTS:

ITEM 1: MONUMENTS – SHOWN HEREON

ITEM 2: ADDRESSES OF THE PARCEL SURVEYED – 1902 E. JOHNSON STREET, 2002, 2010, 2030, 2034, 2076, & 2098 PENNSYLVANIA AVENUE

ITEM 3: FLOOD ZONE CLASSIFICATION – BY GRAPHIC PLOTTING ONLY, THE PARCELS SURVEYED FALL WITHIN "ZONE X – AREAS DETERMINED TO BE OUTSIDE THE 0.2% CHANCE FLOODPLAIN" OF THE FLOOD INSURANCE RATE MAP COMMUNITY PANEL NUMBER 426 OF 850, MAP NUMBER 55025C0426H, MAP REVISED DATE OF SEPTEMBER 17, 2014.

ITEM 4: GROSS LAND AREA – 349,036 SQ. FT. OR 8.013 ACRES, MORE OR LESS.

ITEM 5: VERTICAL RELIEF WITH THE SOURCE OF INFORMATION – ELEVATIONS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), 2018 GEOID.

ITEM 6(b): IF SET FORTH IN A ZONING REPORT OR LETTER, GRAPHICALLY DEPICT REQUIREMENTS IF PLOTTABLE AND DO NOT REQUIRE INTERPRETATION – SURVEYOR HAS NOT BEEN PROVIDED WITH A COPY OF A ZONING REPORT OR LETTER.

ITEM 7(A) & 7(b)(1): EXTERIOR DIMENSIONS & SQUARE FOOTAGE OF THE EXTERIOR FOOTPRINT OF ALL BUILDINGS AT GROUND LEVEL – DIMENSIONS & SQUARE FOOTAGE HAS BEEN SHOWN.

ITEM 8: SUBSTANTIAL FEATURES OBSERVED IN THE PROCESS OF CONDUCTING THE FIELDWORK – IMPROVEMENTS/FEATURES ARE SHOWN.

ITEM 9: NUMBER AND TYPE OF CLEARLY IDENTIFIABLE PARKING SPACES – THERE ARE A TOTAL OF 80 CLEARLY IDENTIFIABLE PARKING SPACES WITHIN THE PARCELS SURVEYED. THERE ARE 77 STANDARD PARKING STALLS & 3 HANDICAP PARKING STALLS WITHIN THE PARCELS SURVEYED.

ITEM 11(b): EVIDENCE OF UNDERGROUND UTILITIES BASED UPON MARKINGS COORDINATED BY THE SURVEYOR PURSUANT TO A PRIAVTE UTILITY LOCATE REQUEST – A PRIVATE UTILITY LOCATE WAS PERFORMED BY GLS UTILITY LLC, 1756 TAM O SHANTER TRAIL, SUN PRAIRIE, WI 53590, ON AUGUST 14, 2024. *NOTE TO THE CLIENT, INSURER, AND LENDER – WITH REGARD TO TABLE A, ITEM 11, INFORMATION FROM THE SOURCES CHECKED ABOVE WILL BE COMBINED WITH OBSERVED EVIDENCE OF UTILITIES PURSUANT TO SECTION 5.E.IV. TO DEVELOP A VIEW OF THE UNDERGROUND UTILITIES. HOWEVER, LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY, AND RELIABLY DEPICTED. IN ADDITION, IN SOME JURISDICTIONS, 811 OR OTHER SIMILAR UTILITY LOCATE REQUESTS FROM SURVEYORS MAY BE IGNORED OR RESULT IN AN INCOMPLETE RESPONSE, IN WHICH CASE THE SURVEYOR SHALL NOTE ON THE PLAT OR MAP HOW THIS AFFECTED THE SURVEYOR'S ASSESSMENT OF THE LOCATION OF THE UTILITIES. WHERE ADDITIONAL OR MORE DETAILED INFORMATION IS REQUIRED, THE CLIENT IS ADVISED THAT EXCAVATION MAY BE NECESSARY.

ITEM 13: NAMES OF ADJOINING OWNERS ACCORDING TO CURRENT TAX RECORDS – NAMES OF ADJOINING OWNERS HAVE BEEN NOTED HEREON AND ARE BASED UPON INFORMATION OBTAINED FROM THE ACCESSDANE WEBSITE ON AUGUST 22, 2024.

ITEM 14: AS SPECIFIED BY THE CLIENT, DISTANCE TO THE NEAREST INTERSECTING STREET – CLIENT DID NOT SPECIFY, HOWEVER THE PARCELS SURVEYED ARE LOCATED ON THE NORTH/NORTHWEST SIDE OF E. JOHNSON STREET & PENNSYLVANIA AVENUE BETWEEN THE APPROXIMATE INTERSECTIONS OF E. JOHNSON AVENUE & N. FIRST STREET AND PENNSYLVANIA AVENUE & N. THIRD STREET.

ITEM 16: EVIDENCE OF RECENT EARTH MOVING WORK, BUILDING CONSTRUCTION, OR BUILDING ADDITIONS OBSERVED DURING THE COURSE OF CONDUCTING THE FIELDWORK – AT THE TIME FIELD SURVEY WORK WAS PERFORMED, THERE WAS NO VISIBLE, OBSERVED EVIDENCE, OF WHICH THE SURVEYOR IS AWARE, OF RECENT EARTH MOVING WORK, BUILDING CONSTRUCTION, OR BUILDING ADDITIONS.

ITEM 17: PROPOSED CHANGES IN STREET RIGHT–OF–WAY LINES, EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS OBSERVED IN THE PROCESS OF CONDUCTING THE FIELDWORK – THERE ARE NO PROPOSED CHANGES IN STREET RIGHT–OF–WAY LINES OF WHICH THE SURVEYOR IS AWARE. AT THE TIME FIELD SURVEY WORK WAS PERFORMED, THERE WAS NO EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS OF WHICH THE SURVEYOR IS AWARE.

ITEM 20: EXECUTE A DIGGERS HOTLINE PUBLIC UTILITY LOCATE – PUBLIC UTILITY LOCATE REQUESTS WERE EXECUTED ON NOVEMBER 13, 2025 PER REQUEST NUMBERS 20254615809, 20254615802, 20254615796, 20254615817, 20254615823, 20254615829, 20254615835, AND 20254615838. ROADWAY UTILITY RECORD DRAWINGS WERE REQUESTED FROM THE CITY OF MADISON. THE UTILITIES SHOWN REPRESENT FIELD LOCATED UTILITIES IN COMBINATION WITH THE SUPPLIED CITY RECORDS

NOTES CORRESPONDING TO SCHEDULE B–SECTION TWO EXCEPTIONS:

(FIRST AMERICAN TITLE INSURANCE COMPANY NATIONAL COMMERCIAL SERVICES, 25 WEST MAIN STREET, SUITE 400, MADISON, WI 53703; FILE No.: NCS–1280954–MAD, COMMITMENT DATE: OCTOBER 14, 2025, AT 7:30 A.M)

(11) CURRENT AND FUTURE OBLIGATIONS ARISING FROM THE INCLUSION OF THE SUBJECT PARCELS IN TAX INCREMENTAL FINANCIAL DISTRICT NO. 54.
NOT A SURVEY RELATED EXCEPTION. NOTHING TO PLOT.

(12) RIGHTS AND EASEMENTS, IF ANY, IN AND TO ANY AND ALL RAILROAD SWITCHES, SIDETRACKS, SPUR TRACKS AND RIGHTS OF WAY LOCATED UPON OR APPURTENANT TO THE SUBJECT PREMISES.
THE RAILROAD RIGHT–OF–WAY FOR THE CANADIAN PACIFIC RAILWAY, SOO LINE RAILROAD CO. LIES IMMEDIATELY ADJACENT TO PORTIONS OF THE PARCELS SURVEYED. RAILROAD SWITCHES, SIDETRACKS, AND SPUR TRACKS, (IF ANY), HAVE BEEN SHOWN.

(13) MATTERS IN A DOCUMENT ENTITLED "DEED", EXECUTED BY AND BETWEEN MADISON SQUARE COMPANY AND CF BURGESS LABORATORIES, A CORPORATION OF WISCONSIN, RECORDED OCTOBER 30, 1917, AS DOCUMENT NO. 366650A OF OFFICIAL RECORDS, INCLUDING BUT NOT LIMITED TO COVENANTS, CONDITIONS, RESTRICTIONS, EASEMENTS, ASSESSMENTS, LIENS AND CHARGES.
THE EASEMENTS REFERENCED IN THIS DOCUMENT HAVE BEEN ABROGATED AND TERMINATED BY AGREEMENT RECORDED MARCH 14, 1942, AS DOCUMENT NO. 656457. (SEE EXCEPTION 16).

(14) MATTERS IN A DOCUMENT ENTITLED "DEED", EXECUTED BY AND BETWEEN MADISON SQUARE COMPANY AND E.F. RILEY OF MADISON, WISCONSIN, RECORDED NOVEMBER 10, 1925, AS DOCUMENT NO. 454396 OF OFFICIAL RECORDS, INCLUDING BUT NOT LIMITED TO COVENANTS, CONDITIONS, RESTRICTIONS, EASEMENTS, ASSESSMENTS, LIENS, AND CHARGES.
NOT A SURVEY RELATED EXCEPTION. NOTHING TO PLOT. DOCUMENT PLACES RESTRICTIONS ON OUTLOT A AND OUTLOT B.

(15) UTILITY EASEMENT TO MADISON GAS & ELECTRIC COMPANY, A CORPORATION OF MADISON, WISCONSIN, DATED FEBRUARY 23, 1942, RECORDED/FILED MARCH 14, 1942, IN VOLUME 420, PAGE 69 AS DOCUMENT NO. 656458.
THE 24' WIDE EASEMENT TO ERECT, CONSTRUCT, AND MAINTAIN A LINE OF TOWERS OR POLES AND WIRES HAS BEEN SHOWN. THE 10' WIDE EASEMENT TO CONSTRUCT AND MAINTAIN UNDERGROUND CONDUITS FOR THE TRANSMISSION OF ELECTRICAL ENERGY AND GAS HAS ALSO BEEN SHOWN.

(16) AGREEMENT RECORDED: MARCH 14, 1942, AS INSTRUMENT NO.: 656457.
THE SIDE TRACK REFERENCED IN THIS DOCUMENT NO LONGER EXISTS, THEREFORE, THE RIGHT–OF–WAY FOR RAILWAY SIDE TRACK HAS BEEN SHOWN BASED UPON THE DESCRIPTION IN THE DOCUMENT AND SCALED FROM RAILROAD MAPS DEPICTING THE SIDE TRACK FOR THAT PORTION NOT DESCRIBED BY REFERENCE TO THE PLATTED LOTS.

(17) EASEMENT RESERVATION AS SET FORTH ON DEED RECORDED JULY 06, 1942 IN VOLUME 424, PAGE 77 AS DOCUMENT NO. 660991.
THE EASEMENT RESERVATION HAS BEEN SHOWN

(18) MATTERS IN A DOCUMENT ENTITLED "WARRANTY DEED", EXECUTED BY AND BETWEEN BLUE JAY AERONAUTICAL COMPANY, A CORPORATION DULY ORGANIZED AND EXISTING UNDER AND BY VIRTUE OF THE LAWS OF THE STATE OF WISCONSIN AND INLAND INVESTMENT COMPANY, RECORDED DECEMBER 11, 1944, AS IN VOLUME 455, PAGE 355 AS DOCUMENT NO. 696596 OF OFFICIAL RECORDS, INCLUDING BUT NOT LIMITED TO COVENANTS, CONDITIONS, RESTRICTIONS, EASEMENTS, ASSESSMENTS, LIENS AND CHARGES.
THE 20' WIDE RIGHT–OF–WAY HAS BEEN SHOWN.

(19) AN EASEMENT FOR RIGHT OF WAY AS SET FORTH IN WARRANTY DEED RECORDED ON JULY 02, 1953 IN VOLUME 597, PAGE 96 AS DOCUMENT NO. 856529.
THE 18' AND 20' RIGHT–OF–WAY HAS BEEN SHOWN

(20) MATTERS IN A DOCUMENT ENTITLED "WARRANTY DEED", EXECUTED BY AND BETWEEN C.A. HOOPER COMPANY, SOMETIMES REFERRED TO AS C.A. HOOPER CO. AND 2030 PENNSYLVANIA AVENUE CORPORATION, RECORDED JULY 16, 1959, AS VOLUME 696, PAGE 510, AS DOCUMENT NO. 984033 OF OFFICIAL RECORDS, INCLUDING BUT NOT LIMITED TO COVENANTS, CONDITIONS, RESTRICTIONS, EASEMENTS, ASSESSMENTS, LIENS AND CHARGES.
THE EASEMENTS & RIGHTS–OF–WAY REFERENCED IN THIS DOCUMENT ARE THE SAME AS THOSE REFERENCED IN DOCUMENT NO.'S 656457, 656458, AND 696596.

(21) RIGHT OF WAY EASEMENT RECORDED ON APRIL 04, 1963, IN VOLUME 390, PAGE 48, AS DOCUMENT NO. 1069857.
RIGHTS–OF–WAY FOR SIDE TRACK AND FOR VEHICLES & PEDESTRIANS HAVE BEEN SHOWN. THESE RIGHTS–OF–WAY LIE OUTSIDE OF, AND IMMEDIATELY ADJACENT TO THE PARCEL SURVEYED. SAID RIGHTS–OF–WAY BENEFIT THE PARCEL SURVEYED.

(22) RIGHT OF WAY EASEMENTS RECORDED ON FEBRUARY 08, 1967 IN VOLUME 458, PAGE 489, AS DOCUMENT NO. 1178125.
THE 25' WIDE RIGHT–OF–WAY HAS BEEN SHOWN.

(23) EASEMENT RECORDED ON FEBRUARY 08, 1967 IN VOLUME 458, PAGE 291, AS DOCUMENT NO. 1178126.
THE 20' WIDE EASEMENT & RIGHT–OF–WAY HAS BEEN SHOWN. THIS EASEMENT AND RIGHT–OF–WAY LIES OUTSIDE OF, AND IMMEDIATELY ADJACENT TO THE PARCEL SURVEYED. SAID EASEMENT AND RIGHT–OF–WAY BENEFITS THE PARCEL SURVEYED

(24) UTILITY EASEMENT TO MADISON GAS AND ELECTRIC COMPANY, A CORPORATION DULY ORGANIZED AND EXISTING UNDER AND BY VIRTUE OF THE LAWS OF THE STATE OF WISCONSIN, DATED DECEMBER 30, 1966, RECORDED/FILED FEBRUARY 28, 1967, IN VOLUME 459, PAGE 162 AS DOCUMENT NO. 1179181.
THE 34' WIDE EASEMENT HAS BEEN SHOWN.

(25) EASEMENT RECORDED ON MARCH 16, 1967 IN VOLUME 460 OF MISC., PAGE 232 AS DOCUMENT NO. 1180359
THE INGRESS AND EGRESS, PARKING, AND FOR TEMPORARY STORAGE OF VEHICLES (WHICH CAN BE MOVED), MATERIAL AND SUPPLIES EASEMENT HAS BEEN SHOWN.

(26) UTILITY EASEMENT TO MADISON GAS AND ELECTRIC COMPANY, A WISCONSIN CORPORATION OF MADISON, WISCONSIN, DATED APRIL 25, 1968, RECORDED/FILED MARCH 01, 1972 IN VOLUME 322, PAGE 226 AS DOCUMENT NO. 1318606.
THE 10' WIDE RIGHT–OF–WAY HAS BEEN SHOWN.

(27) RIGHT OF WAY EASEMENT RECORDED ON FEBRUARY 08, 1967, IN VOLUME 458, PAGE 293, AS DOCUMENT NO. 1178127.
THE EASEMENT REFERENCED IN THIS DOCUMENT TERMINATED ON JANUARY 01, 1969, AND THEREFORE HAS NOT BEEN SHOWN.

(28) UTILITY EASEMENT TO MADISON GAS AND ELECTRIC COMPANY, A WISCONSIN CORPORATION, ITS SUCCESSORS AND ASSIGNS, DATED SEPTEMBER 15, 1995, RECORDED/FILED SEPTEMBER 19, 1995 IN VOLUME 30858, PAGE 12 AS DOCUMENT NO. 2705144.
THE 10' WIDE RIGHT–OF–WAY GRANT UNDERGROUND ELECTRIC EASEMENT – ELECTRIC POLE LINE HAS BEEN SHOWN.

(29) UTILITY EASEMENT TO MADISON GAS AND ELECTRIC COMPANY, A WISCONSIN CORPORATION, DATED JANUARY 10, 1996, RECORDED/FILED MAY 22, 1996, IN VOLUME 32954, PAGE 25 AS DOCUMENT NO. 2764485.
THE LOCATION OF THE 10' WIDE RIGHT–OF–WAY GRANT UNDERGROUND ELECTRIC EASEMENT IS DEPENDENT UPON THE LOCATION OF THE FACILITIES AS CONSTRUCTED. SAID EASEMENT HAS BEEN SHOWN BASED UPON MARKINGS IN THE FIELD BY DIGGER'S HOTLINE.

(30) UTILITY EASEMENT TO AMERICAN TRANSMISSION COMPANY LLC, A WISCONSIN LIMITED LIABILITY COMPANY, DATED APRIL 06, 2006, RECORDED/FILED APRIL 14, 2006, AS DOCUMENT NO. 4180610.
THE 20' & 30' WIDE UTILITY EASEMENTS HAVE BEEN SHOWN.

(31) UTILITY EASEMENT TO MADISON GAS AND ELECTRIC COMPANY, A WISCONSIN CORPORATION, DATED JULY 25, 2008, RECORDED/FILED JULY 30, 2008, AS DOCUMENT NO. 4455174.
THE 10' WIDE AND 16'x16' RIGHT–OF–WAY GRANT UNDERGROUND ELECTRIC EASEMENTS HAVE BEEN SHOWN.

(32) NOTICE RECORDED ON SEPTEMBER 17, 2012, AS DOCUMENT NO. 4913282.
NOT A SURVEY RELATED EXCEPTION. NOTHING TO PLOT.

(33) RIGHTS OF TENANTS IN POSSESSION UNDER UNRECORDED LEASES.
NOT A SURVEY RELATED EXCEPTION. NOTHING TO PLOT.

JSD
CREATE THE VISION TELL THE STORY
jsdinc.com
MADISON REGIONAL OFFICE
507 WEST VERONA AVENUE, SUITE 500
VERONA, WISCONSIN 53593
P. 608.848.5060

CLIENT:
NEW LAND ENTERPRISES

CLIENT ADDRESS:
1840 NORTH FARWELL AVE, STE A MILWAUKEE, WI 53202

PROJECT:
HOOPER SITE

PROJECT LOCATION:
1902-2098 PENNSYLVANIA AVE. MADISON, DANE COUNTY WISCONSIN 53704

north

SCALE IN FEET
60' 0 60'

MODIFICATIONS:

#	Date:	Description:
1		
2		
3		
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6		
7		
8		
9		
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12		
13		
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15		

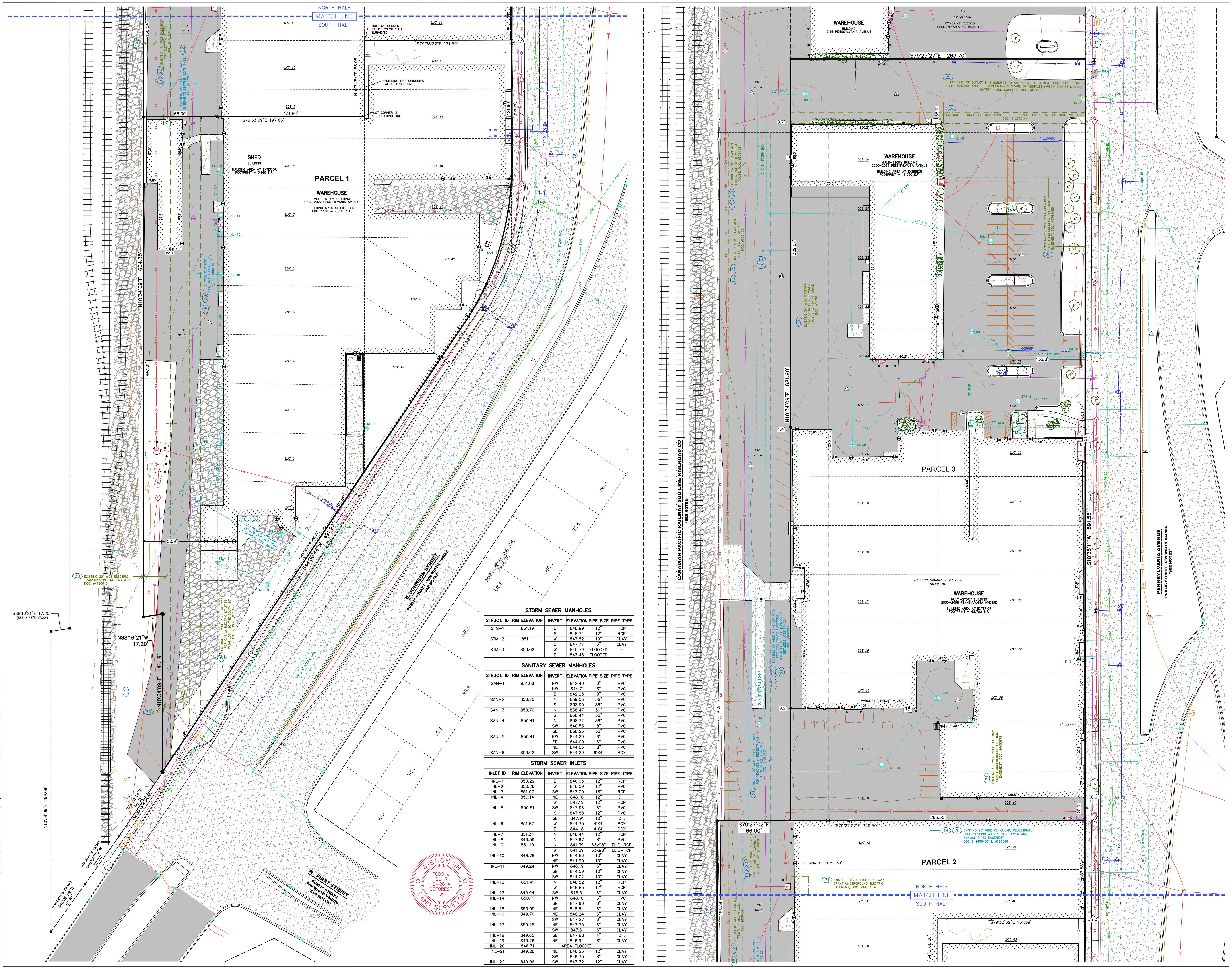
Prepared/Checked By: INIT: CMD/JK

SHEET TITLE:
ALTA/NSPS LAND TITLE SURVEY

SHEET NUMBER:
1 OF 2

PROJECT NO: 25-16063

File: C:\Users\colton.darwin.JSDINC\appdata\local\temp\AcPublish_12416\2516063 ALTA.dwg Layout: Sheet 1 User: colton.darwin Plotted: Dec 29, 2025 - 8:31am Xrefs:



STORM SEWER MANHOLES

STRUCT. ID	RIM ELEVATION	INVERT	ELEVATION	PIPE SIZE	PIPE TYPE
STM–1	851.19	E	848.99	12"	RCP
		S	848.74	12"	RCP
STM–2	851.11	W	847.82	10"	CLAY
		E	847.77	6"	CLAY
STM–3	850.02	W	845.79	FLOODED	–
		E	843.45	FLOODED	–

SANITARY SEWER MANHOLES

STRUCT. ID	RIM ELEVATION	INVERT	ELEVATION	PIPE SIZE	PIPE TYPE
SAN–1	851.06	NW	842.40	6"	PVC
		NW	844.71	8"	PVC
		E	842.25	8"	PVC
SAN–2	850.70	N	839.05	36"	PVC
		S	838.99	36"	PVC
SAN–3	850.70	N	838.47	36"	PVC
		S	838.44	36"	PVC
SAN–4	850.41	N	838.32	36"	PVC
		SW	840.53	8"	PVC
		SE	838.26	36"	PVC
SAN–5	850.41	NW	844.29	6"	PVC
		SE	844.09	6"	PVC
		NE	844.06	8"	PVC
SAN–6	850.62	SW	844.29	6'X4'	BOX

STORM SEWER INLETS

INLET ID	RIM ELEVATION	INVERT	ELEVATION	PIPE SIZE	PIPE TYPE
INL–1	850.29	E	846.65	12"	RCP
INL–2	850.26	W	846.09	12"	PVC
INL–3	851.07	SW	847.00	18"	RCP
INL–4	850.14	NE	848.18	12"	D.I.
		W	847.19	12"	RCP
INL–5	850.51	SW	847.96	6"	PVC
		S	847.88	12"	PVC
		SE	847.91	10"	D.I.
INL–6	851.67	W	844.30	4'X4'	BOX
		E	844.18	4'X4'	BOX
INL–7	851.34	N	848.44	12"	RCP
INL–8	849.39	N	847.67	8"	PVC
INL–9	851.10	N	841.39	63x98"	ELIQ–RCP
		W	841.39	63x98"	ELIQ–RCP
INL–10	848.76	NW	844.86	10"	CLAY
		NE	844.90	10"	CLAY
INL–11	849.24	NW	846.19	6"	CLAY
		SE	844.09	10"	CLAY
		SW	844.02	10"	CLAY
INL–12	851.41	N	848.82	12"	RCP
		W	848.85	12"	RCP
INL–13	849.94	SW	848.51	6"	CLAY
INL–14	850.11	NW	848.16	6"	PVC
		SE	847.60	6"	CLAY
INL–15	850.09	NE	848.64	6"	CLAY
INL–16	849.76	NE	848.24	6"	CLAY
		SW	847.27	6"	CLAY
INL–17	850.25	NE	847.75	6"	CLAY
		SW	847.61	6"	CLAY
INL–18	849.65	SE	847.88	4"	D.I.
INL–19	849.26	NE	846.94	8"	CLAY
INL–20	846.71	AREA FLOODED			–
INL–21	849.26	NE	846.23	12"	CLAY
		SW	846.35	8"	CLAY
INL–22	849.96	SW	847.32	12"	CLAY

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MADISON REGIONAL OFFICE
507 WEST VERONA AVENUE, SUITE 500
VERONA, WISCONSIN 53593
P. 608.848.5060

CLIENT:
NEW LAND ENTERPRISES

CLIENT ADDRESS:
1840 NORTH FARWELL AVE, STE A
MILWAUKEE, WI 53202

PROJECT:
HOOPER SITE

PROJECT LOCATION:
1902-2098 PENNSYLVANIA AVE.
MADISON, DANE COUNTY
WISCONSIN 53704

MODIFICATIONS:

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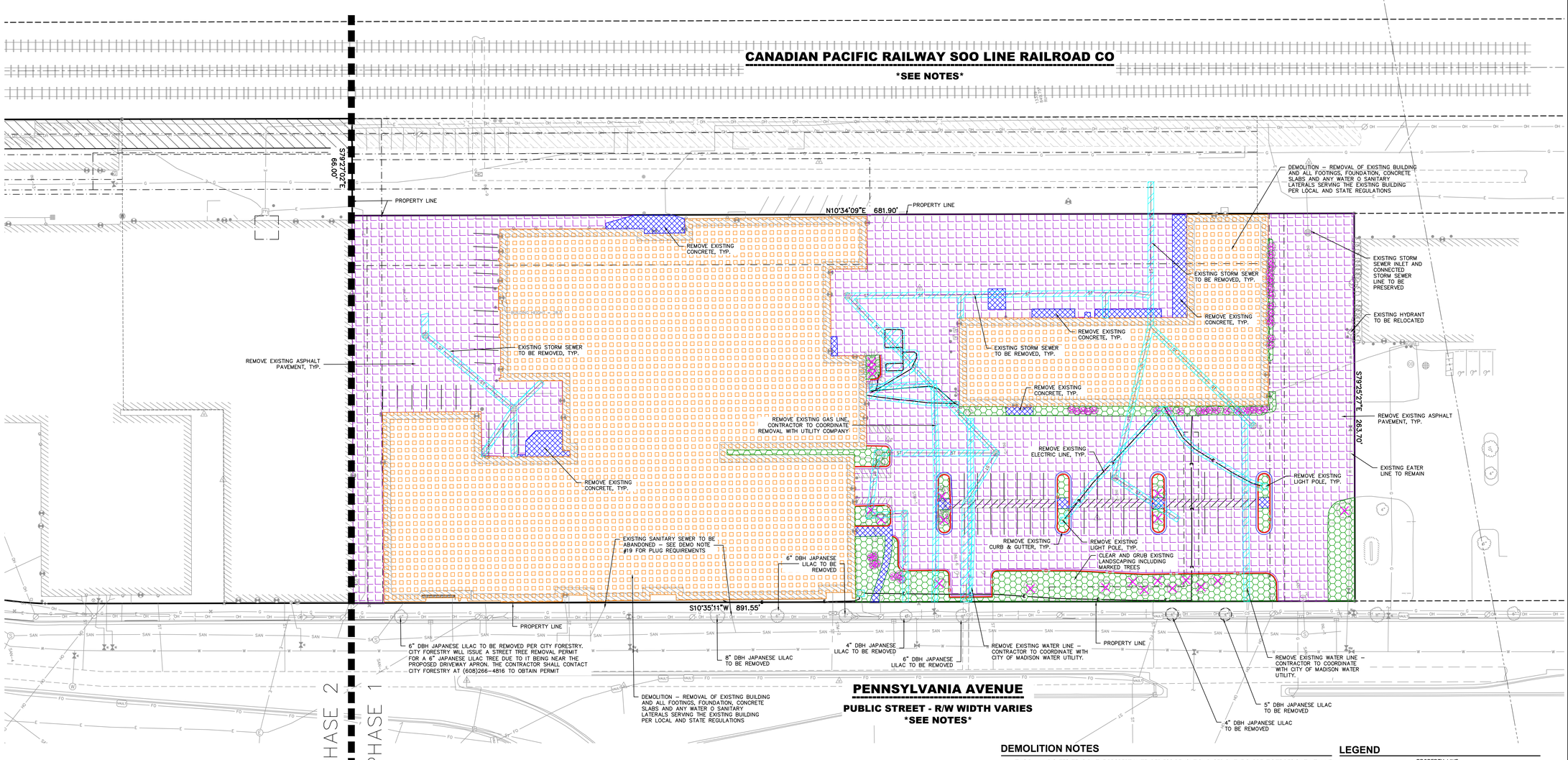
Prepared/Checked By: CMD/JK

SHEET TITLE:
ALTA/NSPS LAND TITLE SURVEY

SHEET NUMBER:
2 OF 2

PROJECT NO: 25-16063



DEMOLITION NOTES

1. THIS PLAN INDICATES ITEMS ON THE PROPERTY INTENDED FOR DEMOLITION BASED ON THE CURRENT SITE DESIGN THAT HAVE BEEN IDENTIFIED BY A REASONABLE OBSERVATION OF THE EXISTING CONDITIONS THROUGH FIELD SURVEY RECONNAISSANCE, "DIGGERS HOTLINE" LOCATION, AND GENERAL "STANDARD OF CARE". THERE MAY BE ADDITIONAL ITEMS THAT CAN NOT BE IDENTIFIED BY A REASONABLE ABOVEGROUND OBSERVATION, OF WHICH THE ENGINEER WOULD HAVE NO KNOWLEDGE OR MAY BE A PART OF ANOTHER DESIGN DISCIPLINE. IT IS THE CONTRACTOR'S/BIDDERS RESPONSIBILITY TO REVIEW THE PLANS, INSPECT THE SITE, AND PROVIDE THEIR OWN DUE DILIGENCE TO INCLUDE IN THEIR BID WHAT ADDITIONAL ITEMS, IN THEIR OPINION, MAY BE NECESSARY FOR DEMOLITION. ANY ADDITIONAL ITEMS IDENTIFIED BY THE CONTRACTOR/BIDDER SHALL BE IDENTIFIED IN THE BID AND REPORTED TO THE ENGINEER OF RECORD. JSD TAKES NO RESPONSIBILITY FOR ITEMS ON THE PROPERTY THAT COULD NOT BE LOCATED BY A REASONABLE OBSERVATION OF THE PROPERTY OR OF WHICH THEY WOULD HAVE NO KNOWLEDGE.
2. CONTRACTOR SHALL KEEP ALL STREETS AND PRIVATE DRIVES FREE AND CLEAR OF ALL CONSTRUCTION-RELATED DIRT, DUST, AND DEBRIS.
3. ALL TREES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED UNLESS SPECIFICALLY CALLED OUT FOR PROTECTION. ALL TREES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY. STUMPS MAY BE GROUND TO PROPOSED SUBGRADE IN GRASSED AREAS ONLY UNLESS DIRECTED BY ENGINEER.
4. ALL LIGHT POLES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING BASE AND ALL APPURTENANCES. SALVAGE FOR RELOCATION. COORDINATE RELOCATION AND/OR ABANDONMENT OF ALL ELECTRIC LINES WITH ELECTRICAL ENGINEER AND OWNER PRIOR TO DEMOLITION.
5. ABANDONED/REMOVED ITEMS SHALL BE LEGALLY DISPOSED OF OFFSITE UNLESS OTHERWISE NOTED.
6. CONTRACTOR TO REPLACE ALL SIDEWALK AND CURB AND GUTTER ABUTTING THE PROPERTIES THAT WERE DAMAGED BY THE CONSTRUCTION.
7. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO:
   - 7.1. EXAMINE ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.
   - 7.2. VERIFY UTILITY ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCIES ARE RESOLVED.
   - 7.3. NOTIFY ALL UTILITIES OWNER'S PRIOR TO THE REMOVAL OF ANY UNDERGROUND UTILITIES.
   - 7.4. NOTIFY THE DESIGN ENGINEER AND LOCAL CONTROLLING MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION INSPECTION.
8. ANY UTILITIES THAT ARE DAMAGED BY THE CONTRACTORS SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
9. CONTRACTOR SHALL COORDINATE PRIVATE UTILITY REMOVAL/ABANDONMENT AND NECESSARY RELOCATION WITH RESPECTIVE UTILITY COMPANY. CONTRACTOR SHALL COORDINATE WITH PRIVATE UTILITY COMPANIES PRIOR TO CONSTRUCTION.
10. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE APPROVED JURISDICTION'S RECYCLING PLAN.
11. ANY CONTAMINATED SOILS ENCOUNTERED SHALL BE REMOVED IN ACCORDANCE WITH FEDERAL AND STATE REGULATIONS TO AN APPROPRIATE AND APPROVED LANDFILL.
12. ALL EXISTING UTILITIES SHALL BE FIELD LOCATED AND CLEARLY MARKED BY CONTRACTOR PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IF ANY DISCREPANCIES OCCUR IN THE LOCATION SHOWN OR PROPOSED IMPROVEMENTS IMPACTING EXISTING UTILITY LINE LOCATION(S). CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING UTILITY LINE OPENINGS (ULO) TO CONFIRM LOCATIONS OR ELEVATIONS, AS REQUESTED BY THE ENGINEER.
13. SEWER ABANDONMENT SHALL BE IN ACCORDANCE WITH SECTION 3.2.24 OF THE STANDARD SPECIFICATIONS AND JURISDICTIONAL SPECIFICATIONS.
14. WATER ABANDONMENT SHALL BE IN ACCORDANCE WITH SECTION 4.14.0 OF THE STANDARD SPECIFICATIONS AND JURISDICTIONAL SPECIFICATIONS.
15. ALL PERIMETER EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE START OF DEMOLITION ACTIVITIES. CONTRACTOR SHALL KEEP ALL STREETS AND PAVEMENTS FREE AND CLEAR OF ALL CONSTRUCTION RELATED DIRT, DUST, AND DEBRIS.
16. BUILDING REMOVALS SHALL BE PREFORMED BY A QUALIFIED CONTRACTOR. CONTRACTOR SHALL FOLLOW ALL DEMOLITION REGULATIONS, DISCONNECT ALL UTILITIES, OBTAIN ALL APPLICABLE PERMITS, AND DISPOSE OF ALL BUILDING MATERIALS IN APPROPRIATE AND APPROVED LANDFILLS. DEMOLISHED MATERIALS SHALL NOT BE BURNED OR BURIED ONSITE.
17. CONTRACTOR SHALL REMOVE EXISTING UTILITY PIPE OR PROVIDE PIPE BACKFILLING AFTER REMOVAL OF EXISTING UTILITIES WITHIN BUILDING FOOTPRINT USING "LOW DENSITY CONCRETE/FLOWABLE FILL".
18. RESTORATION OF THE EXISTING ROADWAY RIGHT-OF-WAYS ARE CONSIDERED INCIDENTAL AND SHALL BE PART OF THE COST OF THE UNDERGROUND IMPROVEMENTS, DEMOLITION, AND REMOVAL. THIS INCLUDES CURB AND GUTTER, SIDEWALK, TOPSOIL, SEEDING, AND MULCHING.
19. THE CONTRACTOR (OR OWNER'S REPRESENTATIVE) SHALL OBTAIN A PERMIT TO PLUG EACH EXISTING SANITARY SEWER LATERAL THAT SERVES THE EXISTING BUILDING BEING DEMOLISHED. PERMIT APPLICATION AND FEES ARE REQUIRED FOR EACH LATERAL TO BE PLUGGED.

LEGEND

- PROPERTY LINE
- RIGHT–OF–WAY
- EASEMENT LINE
- DEMOLITION – REMOVAL OF ONSITE CURB SURFACES AND BASE COURSE
- DEMOLITION – PAVEMENT MILL AND OVERLAY
- DEMOLITION – REMOVAL OF RETAINING WALL
- DEMOLITION – REMOVAL OF ASPHALT SURFACES
- DEMOLITION – REMOVAL OF CONCRETE SURFACES
- DEMOLITION – REMOVAL OF BUILDINGS/STRUCTURES
- DEMOLITION – REMOVAL OF UTILITIES
- DEMOLITION – REMOVAL OF LANDSCAPE BEDDING
- TREE REMOVAL
- SHRUB REMOVAL
- PROTECT EXISTING TREE

CITY TRAFFIC ENGINEERING NOTES

1. THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDED PLAN BY TRAFFIC ENGINEERING AND CITY ENGINEERING DEPARTMENT

PUBLIC IMPROVEMENTS NOTES

1. ALL PROPOSED IMPROVEMENTS WITHIN THE PUBLIC RIGHT-OF-WAY OR CONNECTIONS TO CITY OWNED UTILITIES SHALL BE COMPLETED PER THE CITY ISSUED IMPROVEMENTS PLAN (CONTRACT NO. XXXX, PROJECT NO. XXXX)

WORK-IN-ROW NOTES

1. ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK IN THE PUBLIC RIGHT-OF-WAY ARE REQUIRED TO BE PREQUALIFIED WITH THE CITY OF MADISON. PREQUALIFICATION FORMS ARE AVAILABLE ON THE CITY'S WEBSITE AT: https://www.cityofmadison.com/engineering/developers-contractors/contractors/how-to-get-prequalified
2. THE CONTRACTOR IS REQUIRED TO OBTAIN A CITY PERMIT TO EXCAVATE IN THE PUBLIC RIGHT-OF-WAY.
3. ALL PROPOSED IMPROVEMENTS WITHIN THE PUBLIC RIGHT-OF-WAY OR CONNECTIONS TO CITY OWNED UTILITIES SHALL BE COMPLETED PER THE CITY ISSUED IMPROVEMENTS PLAN (CONTRACT NO. XXXX, PROJECT NO. XXXXX). IMPROVEMENTS PROPOSED WITHIN THE RIGHT-OF-WAY ON THE HUB - ULGM VILLAGER ON PARK PRIVATE DEVELOPMENT DRAWINGS ARE SHOWN FOR REFERENCE ONLY. CITY ISSUED PLANS GOVERN.

DIGGERS HOTLINE
Toll Free (800) 242-8511

north

SCALE IN FEET
30' 0 30'

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W238 N1610 BUSSE ROAD, SUITE 100
WAUKESHA, WISCONSIN 53188
P. 262.513.0666

CLIENT:
NEW LAND ENTERPRISES

CLIENT ADDRESS:
1840 N. FARWELL AVENUE
MILWAUKEE, WI 53202

PROJECT:
2030 PENNSYLVANIA AVE.

PROJECT LOCATION:
2030 PENNSYLVANIA AVENUE
MADISON, DANE COUNTY
WISCONSIN, 53704

PLAN MODIFICATIONS:

#	Date:	Description:
1	01/05/2026	LAND USE/UDC SUBMITTAL
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Designed By: PJS
Reviewed By: CAJ
Approved By:

SHEET TITLE:
DEMO PLAN - PHASE 1

SHEET NUMBER:
C1.0

JSD PROJECT NO: 25-16063

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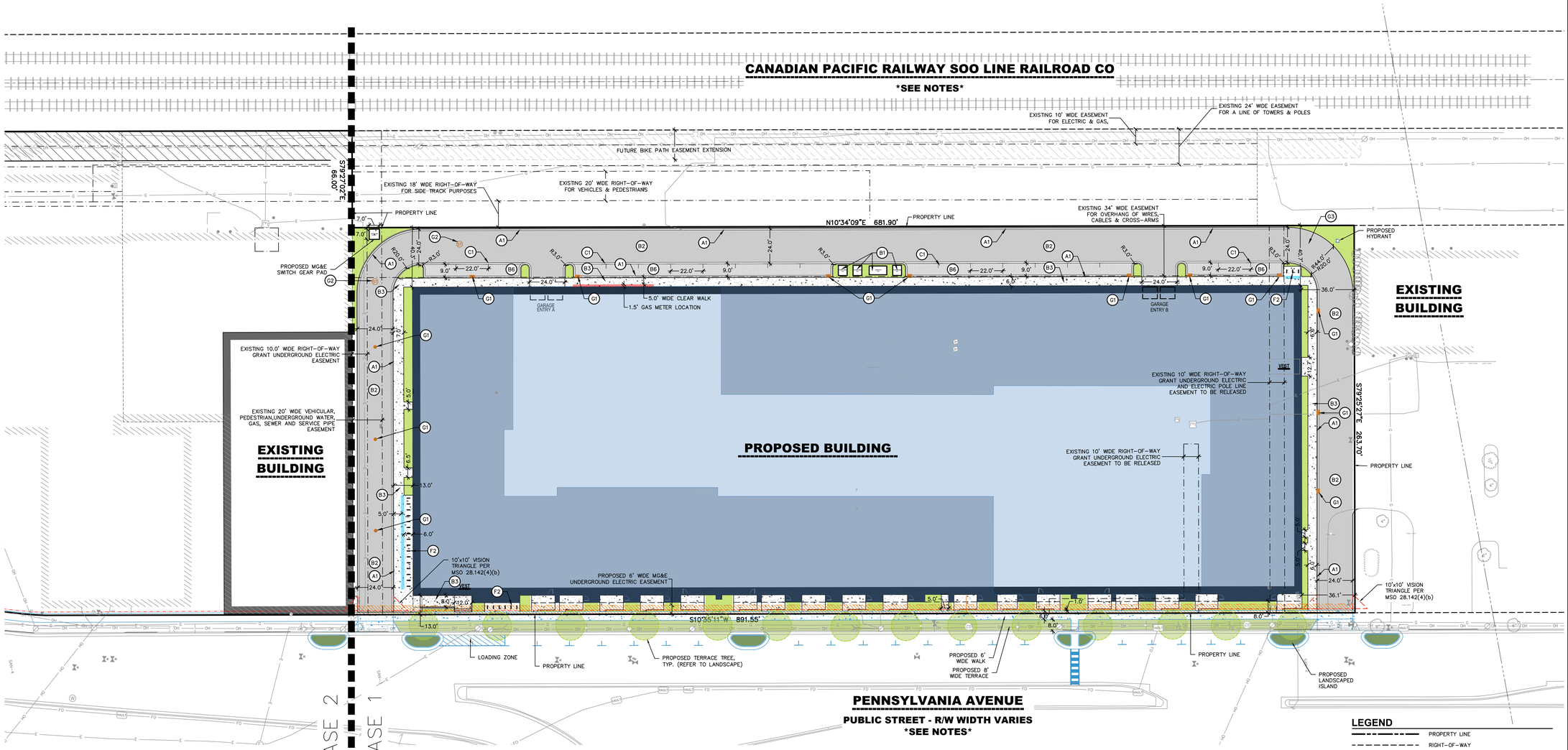
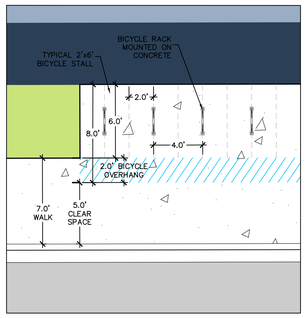


PENNSYLVANIA AVENUE

PUBLIC STREET - R/W WIDTH VARIES
SEE NOTES



TYPICAL BICYCLE PARKING DETAIL
SCALE: 1" = 5'

GENERAL NOTES

1. PROPOSED SITE DEVELOPMENT WILL RESULT IN A DECREASE OF IMPERVIOUS SURFACE AND WILL DISTURB 4.125 ACRES TRIGGERING THE CITY OF MADISON STORMWATER ORDINANCE REQUIREMENT. STORMWATER MANAGEMENT WILL BE HANDLED ONSITE BY PERMEABLE PAVERS AND UNDERGROUND DETENTION FACILITY
2. REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGENDS.
3. ALL WORK IN THE RIGHT-OF-WAY AND/OR PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, JURISDICTIONAL SPECIFICATIONS, AND APPROVED BY THE JURISDICTION HAVING AUTHORITY.
4. EXISTING GRADE SPOT ELEVATIONS SHOWN FOR INFORMATIONAL PURPOSES. DURING CONSTRUCTION MATCH EXISTING GRADES AT CONSTRUCTION LIMITS.
5. NO SITE GRADING OUTSIDE OR DOWNSLOPE OF PROPOSED SILT FENCE LOCATION. NO LAND DISTURBANCE BEYOND PROPERTY LINES.
6. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.
7. CONTRACTOR SHALL RESTORE ALL BUILDINGS, PAVEMENT, PIPES, SLOPES, AND STRUCTURES DAMAGED BY THE CONTRACTOR TO PRE-EXISTING OR BETTER CONDITIONS.
8. THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE JURISDICTIONAL AUTHORITY AND IS SUBJECT TO CHANGE AT ANY TIME.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF THESE IMPROVEMENTS.
10. ANY REFERENCES TO THE TERMS OR ENTITY ABBREVIATIONS IN THE FOLLOWING NOTES AND SPECIFICATIONS SHALL BE UNDERSTOOD AS FOLLOWS:
    - 10.1. "JURISDICTION" - THE LOCAL GOVERNMENTAL AGENCY (I.E., CITY, VILLAGE, TOWN, COUNTY, STATE, OR UTILITY SERVICE PROVIDER) HAVING AUTHORITY.
    - 10.2. "STATE HIGHWAY SPECIFICATIONS" - STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, CURRENT EDITION AND SUPPLEMENTS
    - 10.3. "STANDARD SPECIFICATIONS" - STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, CURRENT EDITION AND SUPPLEMENTS
    - 10.4. WISCONSIN DEPARTMENT OF TRANSPORTATION - "WISDOT"
    - 10.5. WISCONSIN DEPARTMENT OF NATURAL RESOURCES - "WDNR"
    - 10.6. DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES - "DSPS" OR "SPS"

PAVEMENT THICKNESS NOTES

** ALL PAVING SHALL CONFORM TO "STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY & STRUCTURE CONSTRUCTION – CURRENT EDITION AND ADDENDUM, APPLICABLE CITY OF MADISON ORDINANCES, AND THE GEOTECHNICAL ENGINEERING SERVICES REPORT

**** FINAL PAVEMENT DESIGN TO BE DETERMINED BY OWNER BASED ON GEOTECHNICAL ENGINEER OF RECORD RECOMMENDATIONS. ALL PAVING SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER OF RECORDS RECOMMENDATIONS AS SPECIFIED IN THE SAID GEOTECHNICAL REPORT.**

MINIMUM PAVEMENT STRUCTURE

ASPHALT PAVEMENT
4.0" ASPHALTIC CONCRETE (2 LIFTS, 2.5" BINDER, 1.5" SURFACE)
LOWER LAYER (E-1 TYPE: 19.0 mm NOMINAL SIZE)
UPPER LAYER (E-1 TYPE: 9.5 mm NOMINAL SIZE)
8" CRUSHED AGGREGATE BASE COURSE (1-1/4" DENSE GRADED LIMESTONE)
CLEAN RECYCLED CRUSHED CONCRETE MAY BE USED IF APPROVED BY GEOTECH ENGINEER OF RECORD.

CONCRETE SIDEWALK AND PATIO
6" CONCRETE
4" CRUSHED AGGREGATE BASE COURSE
CLEAN RECYCLED CRUSHED CONCRETE MAY BE USED IF APPROVED BY GEOTECH ENGINEER OF RECORD.

KEY NOTES

- A1 18" STANDARD CURB AND GUTTER
- B1 CONCRETE PAVEMENT
- B2 ASPHALT PAVEMENT
- B3 CONCRETE SIDEWALK
- B4 ACCESSIBLE RAMP
- B5 ACCESSIBLE WARNING DETECTOR FIELD
- B6 PERMEABLE PAVERS
- C1 PAVEMENT MARKING: PARKING STALL – 4" WIDE, WHITE
- C2 PAVEMENT MARKING: DIAGONAL HATCH – SWSL/4" AT 45° @ 2'-0" O.C. WHITE
- C3 ACCESSIBLE PARKING SPACE & SYMBOL, WHITE
- C4 CROSSWALK MARKING – TYPE II, WHITE
- D1 ACCESSIBLE PARKING SIGN
- E1 MONUMENT SIGN (REFER TO ARCHITECTURAL)
- E2 LIGHT POLE (REFER TO ELECTRICAL)
- F1 8" CONCRETE BOLLARD WITH SLEEVE (REFER TO DETAIL)
- F2 BIKE RACK – MADRAX U, SURFACE MOUNTED, POWDER COATED, COLOR: BLACK
- G1 PROPOSED STORM INLET
- G2 PROPOSED STORM MANHOLE
- G3 EXISTING STORM INLET

LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- EASEMENT LINE
- BUILDING OUTLINE
- BUILDING OVERHANG
- BUILDING SETBACK LINE
- PAVEMENT SETBACK LINE
- EDGE OF PAVEMENT
- STANDARD CURB AND GUTTER
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- RETAINING WALL
- LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
- ADA PARKING SIGN
- BIKE RACK
- PROPOSED PUBLIC SIDEWALK IMPROVEMENT
- PROPOSED PUBLIC SIDEWALK EASEMENT
- PROPOSED ELECTRIC EASEMENT

SITE INFORMATION

PARCEL NO.	071006316030
SITE AREA	179,681 S.F. (4.125 ACRES)
NUMBER OF PARKING STALLS	
SURFACE	
STANDARD	21
ACCESSIBLE	0
SURFACE SHORT-TERM BIKE PARKING STALLS	50
SITE COVERAGE ANALYSIS	
EXISTING IMPERVIOUS SURFACE AREA	170,019 SF (3.903 ACRES)
EXISTING PERVIOUS SURFACE AREA	9,662 SF (0.222 ACRES)
PROPOSED PAVED AREA	42,029 SF (0.965 ACRES)
PROPOSED BUILDING FOOTPRINT	128,152 SF (2.942 ACRES)
PROPOSED IMPERVIOUS SURFACE AREA	170,181 SF (3.907 ACRES)
PROPOSED IMPERVIOUS SITE PERCENTAGE	95%
PROPOSED PERVIOUS SURFACE AREA	9,500 SF (0.218 ACRES)
PROPOSED PERVIOUS SITE PERCENTAGE	5%
PROPOSED NET IMPERVIOUS INCREASE	162 SF (0.004 ACRES)
PROPOSED CN VALUE	97
DISTURBED AREA	179,681 SF (4.125 ACRES)

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W238 N1610 BUSSE ROAD, SUITE 100
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P. 262.513.0666

CLIENT:
NEW LAND ENTERPRISES

CLIENT ADDRESS:
1840 N. FARWELL AVENUE
MILWAUKEE, WI 53202

PROJECT:
2030 PENNSYLVANIA AVE.

PROJECT LOCATION:
2030 PENNSYLVANIA AVENUE
MADISON, DANE COUNTY
WISCONSIN, 53704

north

SCALE IN FEET
30' 0 30'

PLAN MODIFICATIONS:

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1	01/05/2026	LAND USE/UDC SUBMITTAL
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Designed By: PJS
Reviewed By: CAJ
Approved By:

SHEET TITLE:
SITE PLAN - PHASE 1

SHEET NUMBER:
C2.0

JSD PROJECT NO: 25-16063

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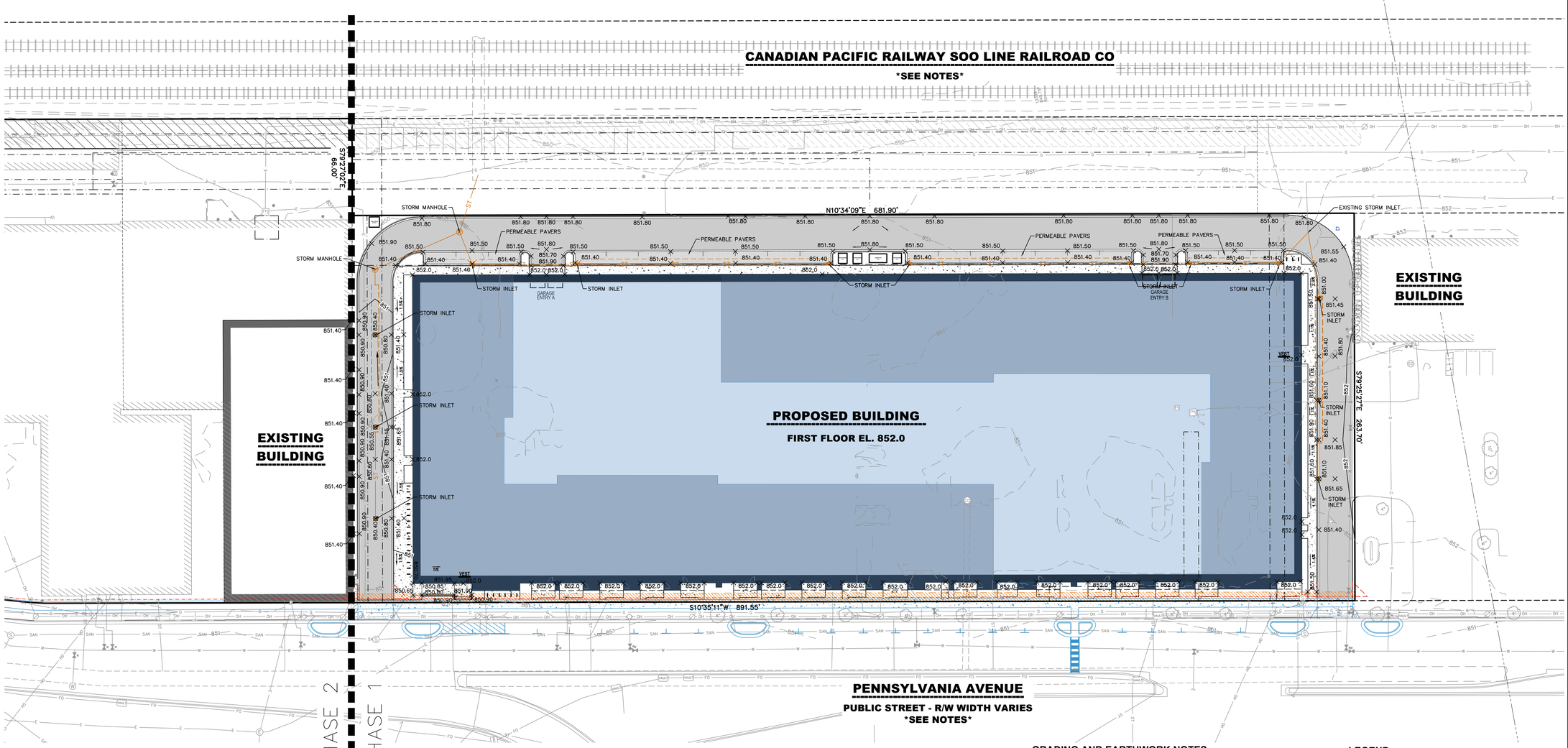

GRADING AND EARTHWORK NOTES

1. ALL SITE PREP AND EARTHWORK SHALL CONFORM TO THE GEOTECHNICAL REPORT. ALL REFERENCES TO THE "GEOTECHNICAL REPORT" SHALL BE UNDERSTOOD AS THE AFOREMENTIONED REPORT.
2. ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES, MAKE SURE ALL AREAS DRAIN PROPERLY, AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR COMPUTATIONS OF ALL GRADING QUANTITIES. WHILE JSD PROFESSIONAL SERVICES, INC. ATTEMPTS TO PROVIDE A COST-EFFECTIVE APPROACH TO BALANCE EARTHWORK, GRADING DESIGN IS BASED ON MANY FACTORS, INCLUDING SAFETY, AESTHETICS, AND COMMON ENGINEERING STANDARDS OF CARE. THEREFORE, NO GUARANTEE CAN BE MADE FOR A BALANCED SITE.
4. ALL EXCAVATIONS AND FILLS SHALL BE TO THE ELEVATIONS SHOWN ON THE DRAWINGS AND SHALL INCLUDE SUFFICIENT DEPTHS FOR PLACEMENT OF FILL MATERIALS, BASE COURSES, PAVEMENTS, TOPSOIL, AND OTHER MATERIALS TO THE SPECIFIED DEPTHS.
5. CONTRACTOR SHALL NOT EXCAVATE BELOW ELEVATIONS OR DESIGN GRADES SHOWN ON THE DRAWINGS WITHOUT PRIOR AUTHORIZATION FROM ENGINEER AND OWNER.
6. PRIOR TO ALL EXCAVATION OR FILLING OPERATIONS, CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL TOPSOIL FROM PROPOSED LOCATIONS OF BUILDINGS, STRUCTURES, ROADS, WALKS, OTHER PAVED AREAS, STORM WATER FACILITIES OR WITHIN THE GRADING EXTENTS WHERE EXISTING GRADES ARE ALTERED BY MORE THAN 3". REMOVED OR STRIPPED TOPSOIL SHALL BE SEGREGATED AND STOCKPILED ON-SITE IN AN APPROPRIATE LOCATION TO BE RESPREAD AS SPECIFIED ON THE DRAWINGS.
7. CONTRACTOR SHALL NOT PLACE ANY FILL OR OTHER MATERIALS ON AREAS THAT HAVE NOT HAD TOPSOIL REMOVED, ARE FROZEN, SATURATED, OR YIELDING. CONTRACTOR SHALL NOTIFY OWNER OR ENGINEER IF SUBGRADE CONDITIONS ARE NOT SUITABLE FOR SUPPORTING FILL AND A FURTHER DETERMINATION SHALL BE PROVIDED BY OWNER OR ENGINEER.
8. CONTRACTOR SHALL PLACE THE FILLS IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT INCLUDING LIFT DEPTHS AND COMPACTION EFFORTS.
9. PRIOR TO PLACEMENT OF BASE COURSE MATERIALS IN PAVEMENT OR HARD SURFACE AREAS OR CONDUCTING EXCAVATION BELOW SUBGRADE (EBS) ELEVATIONS, CONTRACTOR SHALL NOTIFY OWNER AND ENGINEER TO CONDUCT AN INSPECTION OF THE PREPARED SUBGRADE AND PROOF-ROLLING. PROOF-ROLLING SHALL BE CONDUCTED BY THE CONTRACTOR IN WITNESS OF THE OWNER AND ENGINEER. OWNER AND ENGINEER SHALL DETERMINE IF AREAS OF EBS ARE REQUIRED. EBS SHALL BE COMPLETED BY THE CONTRACTOR PER THE DIRECTION OF THE OWNER AND ENGINEER.
10. SOIL MATERIAL SPECIFICATIONS:
    - 10.1. FILL AND BACKFILL MATERIALS
      - 10.1.1. MATERIAL SHALL BE SATISFACTORY MATERIALS EXCAVATED FROM THE SITE, PER THE GEOTECHNICAL REPORT. IF SATISFACTORY MATERIALS ARE NOT AVAILABLE ONSITE OR ADDITIONAL MATERIALS ARE REQUIRED, REFER TO IMPORTED FILL MATERIAL SPECIFICATIONS.
    - 10.2. IMPORTED FILL MATERIAL
      - 10.2.1. MATERIAL SHALL BE PROVIDED BY THE CONTRACTOR FROM OFFSITE BORROW AREAS WHEN SUFFICIENT, SATISFACTORY MATERIALS ARE NOT AVAILABLE ONSITE. IMPORTED FILL MATERIAL SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT AND CONSIST OF CLEAN MATERIAL OF INORGANIC SOILS OR A MIXTURE OF INORGANIC SOIL AND ROCK, STONE, OR GRAVEL. THE MATERIAL SHALL BE FREE OF TOPSOIL, VEGETATION, PAVEMENT RUBBLE, DEBRIS, OR OTHER DELETERIOUS MATERIALS. THE MAXIMUM NOMINAL DIMENSION OF MATERIALS CONSISTING OF ROCK, STONE, OR GRAVEL SHALL BE 6" .
    - 10.3. GRANULAR FILL
      - 10.3.1. MATERIAL SHALL CONSIST OF CLEAN MATERIAL MEETING THE REQUIREMENTS OF "GRADE 1" OR "GRADE 2" GRANULAR BACKFILL AS DEFINED IN SECTION 209.2.1 OF THE STATE HIGHWAY SPECIFICATIONS.

LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- EASEMENT LINE
- BUILDING OUTLINE
- BUILDING OVERHANG
- EDGE OF PAVEMENT
- STANDARD CURB AND GUTTER
- REJECT CURB AND GUTTER
- MOUNTABLE CURB AND GUTTER
- 8" CONCRETE RIBBON CURB
- ASPHALT PAVEMENT
- HEAVY DUTY ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- 851 PROPOSED 1 FOOT CONTOUR
- 850 PROPOSED 5 FOOT CONTOUR
- 851 EXISTING 1 FOOT CONTOUR
- 850 EXISTING 5 FOOT CONTOUR
- DRAINAGE DIRECTION
- GRADE BREAK
- RETAINING WALL
- BOULDER WALL
- RAILING
- 852.00 SPOT ELEVATION
  PROPOSED – 852.00
  EXISTING – EX: 852.00±
- PROPOSED PUBLIC SIDEWALK IMPROVEMENT
- PROPOSED PUBLIC SIDEWALK EASEMENT
- PROPOSED ELECTRIC EASEMENT

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Toll Free (800) 242-8511

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MILWAUKEE REGIONAL OFFICE
W238 N1610 BUSSE ROAD, SUITE 100
WAUKESHA, WISCONSIN 53188
P. 262.513.0666

CLIENT:
NEW LAND ENTERPRISES

CLIENT ADDRESS:
1840 N. FARWELL AVENUE
MILWAUKEE, WI 53202

PROJECT:
2030 PENNSYLVANIA AVE.

PROJECT LOCATION:
2030 PENNSYLVANIA AVENUE
MADISON, DANE COUNTY
WISCONSIN, 53704

PLAN MODIFICATIONS:

#	Date:	Description:
1	01/05/2026	LAND USE/UDC SUBMITTAL
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Designed By: PJS
Reviewed By: CAJ
Approved By:

SHEET TITLE:
GRADING PLAN - PHASE 1

SHEET NUMBER:
C3.0

JSD PROJECT NO: 25-16063

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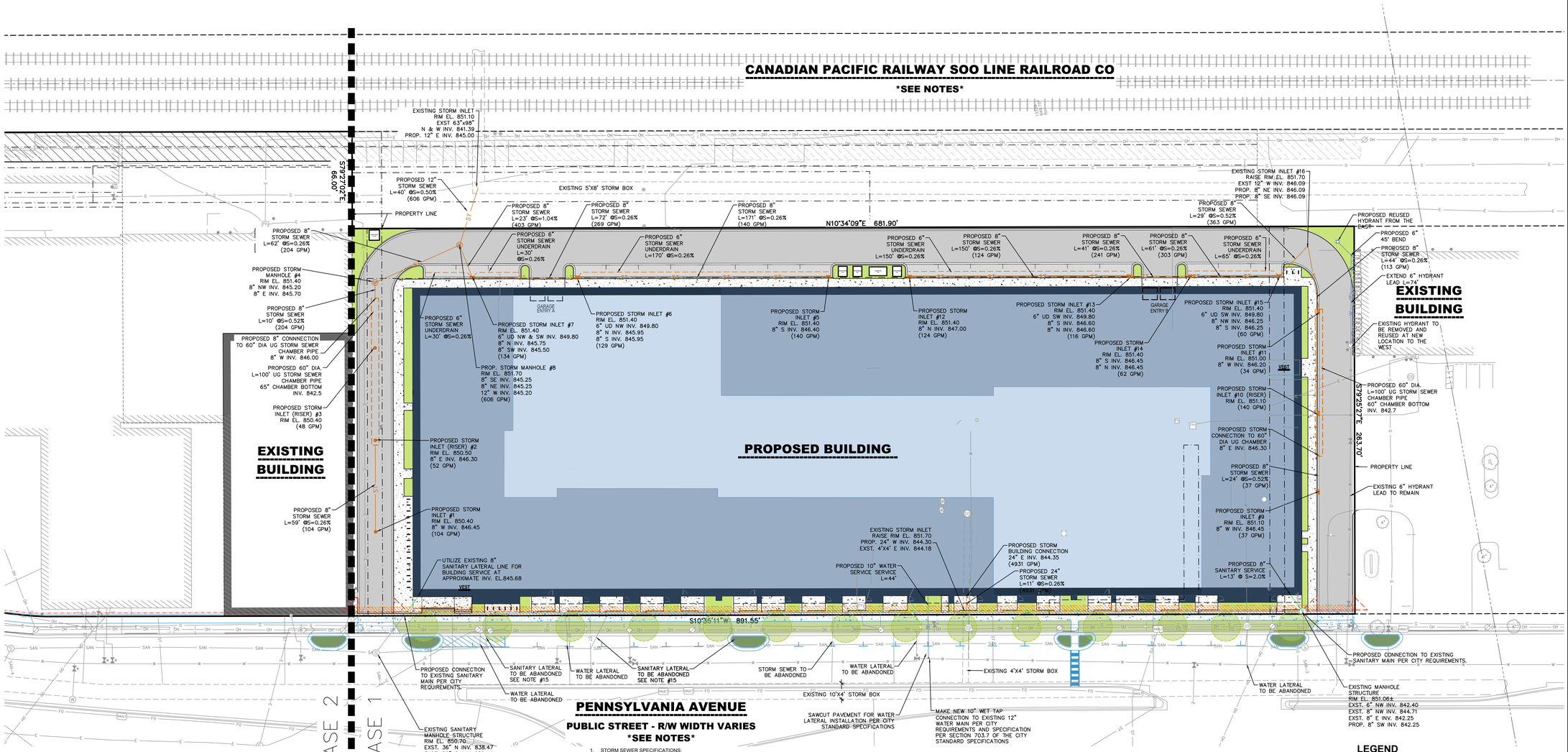

1. STORM SEWER SPECIFICATIONS:
   - 1.1. PIPE:
     - 1.1.1. REINFORCED CONCRETE PIPE (RCP) - SHALL MEET THE REQUIREMENTS OF ASTM CLASS III (MINIMUM) C76 WITH RUBBER GASKET JOINTS CONFORMING TO ASTM C443.
     - 1.1.2. HIGH DENSITY DUAL-WALL POLYETHYLENE CORRUGATED PIPE (HDPE) - SHALL BE AS MANUFACTURED BY ADS OR EQUAL WITH WATERTIGHT JOINTS, AND SHALL MEET THE REQUIREMENTS OF AASHTO DESIGNATION M294 TYPE "S".
     - 1.1.3. POLYVINYL CHLORIDE (PVC) - SHALL MEET REQUIREMENTS OF ASTM D3034, SDR 35 FOR PIPE SIZES 8"-15" WITH INTEGRAL BELL TYPE FLEXIBLE ELECTROMETRIC JOINTS, MEETING THE REQUIREMENTS OF ASTM D3212. ASTM 1785 SCHEDULE 40 FOR PIPE DIAMETERS 4"-8". SDR 35 SHALL BE USED FOR DEPTHS 3'-15'.
   - 1.2. INLETS AND CATCH BASINS:
     - 1.2.1. INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 3.6.3 AND DETAIL DRAWINGS FILE. NO. 28 OR 29 OF THE STANDARD SPECIFICATIONS, OR APPROVED EQUAL WITH A 2'X3' MAXIMUM OPENING.
     - 1.2.2. POLYVINYL CHLORIDE (PVC) INLETS BY NYLOPLAST ONLY WHEN SPECIFIED ON PLANS, CONFORMING TO ASTM D1781, ASTM D3212, ASTM F477, AND MANUFACTURER'S REQUIREMENTS. REFER TO PLANS FOR LID OR GRATE SPECIFICATION.
     - 1.2.3. FRAME AND GRATE/LIDS:
       - 1.2.3.1. CURB FRAME AND GRATES SHALL BE NEENAH R-3067(2'x3' STRUCTURE) OR R-3065 (24"+ DIA. STRUCTURES) WITH TYPE "R" GRATE OR EQUAL, UNLESS AS SPECIFIED IN THE PLANS.
       - 1.2.3.2. SOLID LID FRAME AND GRATES SHALL BE NEENAH R-1642 or R-1556, HEAVY DUTY NON-ROCKING SOLID LID OR EQUAL, UNLESS AS SPECIFIED IN THE PLANS.
       - 1.2.3.3. GRATE FRAME AND GRATES SHALL BE NEENAH R-2501 or R-2556, HEAVY DUTY WITH A R-2501 TYPE G or R-2556 TYPE G GRATE OR EQUAL, UNLESS AS SPECIFIED IN THE PLANS.
     - 1.2.4. MANHOLES:
       - 1.2.4.1. MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 3.5.0 AND DETAIL DRAWINGS FILE NO. 11 AND/OR 12 OF THE STANDARD SPECIFICATIONS.
       - 1.2.3.2. MANHOLE FRAMES AND COVERS SHALL BE NEENAH R-1642 or R-2556, HEAVY DUTY NON-ROCKING SOLID LID OR EQUAL, UNLESS AS SPECIFIED IN THE PLANS.
   - 1.3. BACKFILL AND BEDDING:
     - 1.3.1. STORM SEWER SHALL BE CONSTRUCTED WITH GRAVEL BACKFILL AND CLASS "B" BEDDING IN ALL PAVED AREAS AND TO A POINT 5' BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5' FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL.
     - 1.3.2. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.43.5 OF THE STANDARD SPECIFICATIONS.
   - 1.4. FIELD TILE CONNECTIONS:
     - 1.4.1. ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION SHALL BE INCLUDED IN THE UNIT PRICE(S) FOR STORM SEWER. TILE LINES CROSSED BY THE TRENCH SHALL BE REPLACED WITH THE SAME MATERIAL AS THE STORM SEWER.

2. WATER MAIN & WATER LATERAL SPECIFICATIONS:
   - 2.1. PIPE:
     - 2.1.1. DUCTILE IRON PIPE SHALL BE CLASS 52 CONFORMING TO AWWA C151 AND CHAPTER 8.18.0 OF THE STANDARD SPECIFICATIONS.
     - 2.1.2. POLYVINYL CHLORIDE PRESSURE PIPE (PVC) SHALL BE MANUFACTURED IN ACCORDANCE WITH AWWA C900 DR14 (CLASS 305) FOR SIZES UP TO 4" AND AWWA C900 DR18 (CLASS 235) UP TO 30" WITH INTEGRAL ELASTOMERIC BELL AND SPIGOT JOINTS.
     - 2.1.3. COPPER TYPE K TUBING SHALL CONFORM TO ASTM DESIGNATION B88 FOR WATER SERVICES LESS THAN 2" IN DIAMETER
     - 2.1.4. HIGH DENSITY POLYETHYLENE (HDPE) SHALL CONFORM TO THE REQUIREMENTS OF AWWA C901, SDR 9 MINIMUM FOR SIZES UP TO 3" AND TO AWWA C906, SDR 17 MINIMUM FOR SIZES GREATER THAN 3".
   - 2.2. VALVES AND VALVE BOXES:
     - 2.2.1. GATE VALVES SHALL BE AWWA GATE VALVES MEETING THE REQUIREMENTS OF AWWA C500 AND CHAPTER 8.27.0 OF THE STANDARD SPECIFICATIONS.
     - 2.2.2. CURB STOPS AND CORPORATION VALVES SHALL BE AWWA C800 AND ASTM B62, AND CONFORM TO ANY LOCAL JURISDICTIONAL REQUIREMENTS.
   - 2.3. WATER SERVICES CONNECTIONS
     - 2.3.1. SERVICES 2" IN DIAMETER OR LESS SHALL USE A TAP SERVICE WITH A CORPORATION STOP AND CURB STOP VALVE WITH SERVICE BOX PER JURISDICTIONAL REQUIREMENTS.
     - 2.3.2. SERVICES GREATER THAN 2" IN DIAMETER SHALL USE A TAPPING SLEEVE OR CUT-IN TEE CONNECTION WITH VALVE OF EQUIVALENT PIPE DIAMETER AND VALVE BOX PER JURISDICTIONAL REQUIREMENTS.
   - 2.4. HYDRANTS:
     - 2.4.1. HYDRANTS SHALL CONFORM TO THE SPECIFICATIONS OF THE JURISDICTIONAL AUTHORITIES. THE DISTANCE FROM THE GROUND LINE TO THE CENTERLINE OF THE LOWEST NOZZLE AND THE LOWEST CONNECTION OF THE FIRE DEPARTMENT SHALL BE NO LESS THAN 18 " AND NO GREATER THAN 23"(SEE DETAIL).
   - 2.5. JOINT RESTRAINT:
     - 2.5.1. WHERE SPECIFIED, DUCTILE IRON PIPE SHALL INCLUDE MECHANICAL JOINTS CONFORMING TO CHAPTER 4.4.2(b) OF THE STANDARD SPECIFICATIONS. POLYETHYLENE WRAP SHALL BE USED AROUND ALL MECHANICAL CONNECTIONS.
   - 2.6. BEDDING AND COVER MATERIAL:
     - 2.6.1. PIPE BEDDING AND COVER MATERIAL SHALL BE SAND, CRUSHED STONE CHIPS OR CRUSHED STONE SCREENINGS CONFORMING TO CHAPTER 8.43.2 OF THE STANDARD SPECIFICATIONS.
     - 2.6.2. BURY DEPTH SHALL CONFIRM TO LOCAL JURISDICTION REQUIREMENTS, OR DSPS REQUIREMENTS AT A MINIMUM, WHERE THERE IS NO LOCAL JURISDICTION REQUIREMENTS.
   - 2.7. BACKFILL:
     - 2.7.1. BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH CHAPTERS 2.6.0 AND 4.17.0 OF THE STANDARD SPECIFICATIONS. GRAVEL BACKFILL IS REQUIRED IN ALL PAVED AREAS AND TO A POINT 5' BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5' FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL.
     - 2.7.2. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.43.5 OF THE STANDARD SPECIFICATIONS.
3. SEPARATION DISTANCES
   - WHERE PRIVATE WATER MAIN OR WATER SERVICES CROSSES A SANITARY SEWER OR SANITARY LATERAL, THE WATER PIPE WITHIN 5 FEET OF THE CROSSING SHALL BE INSTALLED WITH THE FOLLOWING:
     - •• WATER PIPING SHALL BE INSTALLED AT LEAST 12 INCHES ABOVE THE TOP OF SANITARY PIPING
     - •• WATER PIPING SHALL BE INSTALLED AT LEAST 18 INCHES BELOW THE BOTTOM OF SANITARY PIPING.

1. ALL EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO THE TYPE AND LOCATIONS OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. CONTRACTOR/OWNER SHALL CALL "DIGGERS HOTLINE" PRIOR TO ANY CONSTRUCTION.
2. PRIOR TO CONSTRUCTION, THE PRIME CONTRACTOR IS RESPONSIBLE FOR:
   - 2.1. EXAMINING ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.
   - 2.2. OBTAINING ALL PERMITS INCLUDING PERMIT COSTS, TAP FEES, METER DEPOSITS, BONDS, AND ALL OTHER FEES REQUIRED FOR PROPOSED WORK TO OBTAIN OCCUPANCY.
   - 2.3. VERIFYING ALL ELEVATIONS, LOCATIONS, AND SIZES OF SANITARY, WATER, AND STORM LATERALS AND CHECK ALL UTILITY CROSSINGS FOR CONFLICTS. NOTIFY ENGINEER OF ANY DISCREPANCY. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS RESOLVED.
   - 2.4. NOTIFYING THE UTILITIES PRIOR TO INSTALLATION OF ANY UNDERGROUND AND AERIAL IMPROVEMENTS.
   - 2.5. NOTIFYING THE DESIGN ENGINEER AND JURISDICTIONAL AUTHORITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION OBSERVATION.
   - 2.6. COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.
3. ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC UTILITIES AND STATE DSPS/SPS AND LOCAL CODES AND SPECIFICATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE WHICH SPECIFICATIONS AND CODES APPLY, AND TO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE JURISDICTIONAL AUTHORITIES.
4. SPECIFICATIONS SHALL COMPLY WITH THE JURISDICTIONAL AUTHORITY'S SPECIAL PROVISIONS.
5. LENGTHS OF ALL UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY VARY SLIGHTLY FROM PLAN. LENGTHS SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF IMPROVEMENTS.
7. CONTRACTOR SHALL INSTALL A PEDESTRIAN FENCE AROUND ALL EXCAVATIONS TO BE LEFT OPEN OVERNIGHT AS REQUIRED IN CONSTRUCTION SITES WHERE THE POTENTIAL FOR PEDESTRIAN INJURY EXISTS.
8. CONTRACTOR SHALL ADJUST AND/OR RECONSTRUCT ALL UTILITY COVERS (SUCH AS MANHOLE COVERS, VALVE BOX COVERS, ETC.) TO MATCH THE FINISHED GRADES OF THE AREAS EFFECTED BY THE CONSTRUCTION.
9. ALL NON-METALLIC UTILITY PIPES (SANITARY SEWER, STORM SEWER, AND WATER PIPING) SHALL BE INSTALLED IN CONJUNCTION WITH TRACER WIRE AS REQUIRED BY SPS 382.30(11)(H), SPS 382.36(7)(C)1O., AND SPS 382.40(8)(K). COLOR OF TRACER WIRE SHALL BE: SANITARY SEWER - GREEN, STORM SEWER - BROWN, WATER - BLUE, NON-POTABLE WATER - PURPLE.
10. DRY UTILITIES (COMMUNICATION, TELEPHONE, GAS, ELECTRIC, ETC.) ARE SHOWN FOR GENERAL ROUTING ONLY. CONTRACTOR SHALL COORDINATE DESIGN AND FINAL LOCATION WITH APPROPRIATE UTILITY COMPANY.
11. THE PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.
12. ANY SANITARY SEWER, SANITARY SEWER SERVICES, WATER MAIN, WATER SERVICES, STORM SEWER, OR OTHER UTILITIES, WHICH ARE DAMAGED BY THE CONTRACTORS, SHALL BE REPAIRED TO THE JURISDICTIONAL AUTHORITY'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
13. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE ENGINEER WITH AS-BUILT CONDITIONS OF THE INSTALLED IMPROVEMENTS IN ORDER THAT THE APPROPRIATE DRAWINGS CAN BE PREPARED, IF REQUIRED. ANY CHANGES TO THE DRAWINGS OR ADDITIONAL ITEMS MUST BE REPORTED TO THE ENGINEER AS WORK PROGRESSES.
14. IN ANY LOCATIONS WHERE BUILDING SEWERS (STORM AND SANITARY) ARE INSTALLED WITH LESS THAN THE MINIMUM COVER AS SPECIFIED IN SPS 382.30(11)(c) OR WATER PIPING 382.40(8)(a), CONTRACTOR SHALL INSTALL INSULATION IN ACCORDANCE WITH SPS 382.30(11)(c)2. FOR PROTECTION FROM FROST.
15. THE CONTRACTOR (OR OWNER'S REPRESENTATIVE) SHALL OBTAIN A PERMIT TO PLUG EACH EXISTING SANITARY SEWER LATERAL THAT SERVES THE EXISTING BUILDING BEING DEMOLISHED. PERMIT APPLICATION AND FEES ARE REQUIRED FOR EACH LATERAL TO BE PLUGGED.

STREET TREE NOTES:

1. 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 (608) 266-4816.
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 at (608) 266-4816 prior to excavation. City of Madison Forestry personnel shall assess the impact to the tree and to its root system prior to work commencing. Tree protection specifications can be found on the following website: <https://www.cityofmadison.com/business/pw/specs.cfm>.
3. 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
4. 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.
5. Street tree pruning shall be coordinated with City Forestry at a minimum f 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.

LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- EASEMENT LINE
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- BUILDING OVERHANG
- EDGE OF PAVEMENT
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- REJECT CURB AND GUTTER
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- RETAINING WALL
- SAN — SANITARY SEWER
- W — WATERMAIN
- ST — STORM SEWER
- SAN — EXISTING SANITARY SEWER
- W — EXISTING WATERMAIN
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- PROPOSED PUBLIC SIDEWALK IMPROVEMENT
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PROJECT LOCATION:
2030 PENNSYLVANIA AVENUE
MADISON, DANE COUNTY
WISCONSIN, 53704

PLAN MODIFICATIONS:

#	Date:	Description:
1	01/05/2026	LAND USE/UDC SUBMITTAL
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Designed By: PJS
Reviewed By: CAJ
Approved By:

SHEET TITLE:
UTILITY PLAN - PHASE 1

SHEET NUMBER:
C4.0

JSD PROJECT NO: 25-16063

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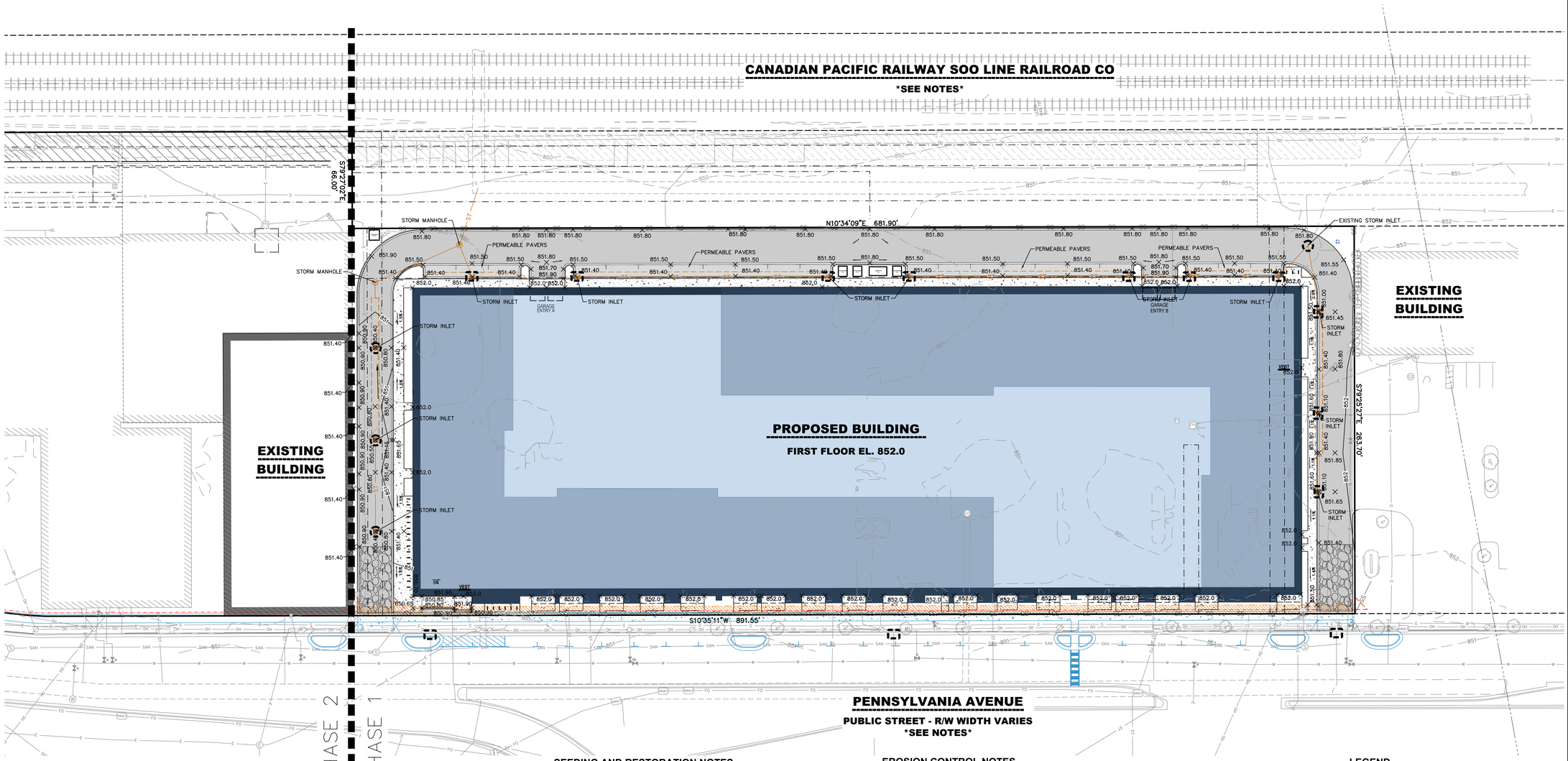

SEEDING AND RESTORATION NOTES

1. CONTRACTOR SHALL PROVIDE NOTICE TO THE JURISDICTIONAL AUTHORITIES IN ADVANCE OF ANY SOIL DISTURBING ACTIVITIES, IN ACCORDANCE WITH MUNICIPAL REQUIREMENTS.
2. ALL DISTURBED AREAS SHALL BE SODDED AND/OR SEEDED AND MULCHED IMMEDIATELY FOLLOWING GRADING ACTIVITIES. SOD/SEED MIX TO BE IN ACCORDANCE WITH LANDSCAPE PLAN.
3. CONTRACTOR SHALL WATER ALL NEWLY SODDED/SEEDED AREAS DURING THE SUMMER MONTHS WHENEVER THERE IS A 7-DAY LAPSE WITH NO SIGNIFICANT RAINFALL.
4. ALL SLOPES 20% OR GREATER SHALL BE TEMPORARILY SEEDED, MULCHED, OR OTHER MEANS OF COVER PLACED ON THEM WITHIN 2 WEEKS OF DISTURBANCE. REFER TO STABILIZATION PRACTICES IN THE EROSION CONTROL NOTES FOR FURTHER SPECIFICATIONS.
5. SEEDING SPECIFICATIONS:
   - 5.1. TURF LAWN SEED MIXTURE: WISDOT SEED MIX NO. 40 AT RATES SPECIFIED IN SECTION 630 OF THE STATE HIGHWAY SPECIFICATIONS.
   - 5.2. LOW MAINTENANCE AREA SEED MIXTURE: WISDOT SEED MIX NO. 10 OR 20 APPLIED AT RATES AS SPECIFIED IN SECTION 630 OF THE STATE HIGHWAY SPECIFICATIONS.
   - 5.3. NO-MOW AREA SEED MIXTURE: NO-MOW LAWN SEED MIX, AS PROVIDED BY PRAIRIE NURSERY, P.O. BOX 306, WESTFIELD, WISCONSIN, 53964, TEL. 608-296-3679 (OR APPROVED EQUIVALENT). SEEDING RATE SHALL BE PER MANUFACTURE'S RECOMMENDATIONS.
6. SEED PREPARATION SPECIFICATIONS:
   - 6.1. SCARIFY SUBSOILS TO A DEPTH OF 3" WHERE TOPSOIL SHALL BE PLACED TO REDUCE COMPACTION.
   - 6.2. PLACE TOPSOIL AT A MINIMUM DEPTH OF 6" UNLESS OTHERWISE NOTED ON THE PLANS.
   - 6.3. APPLY FERTILIZER IN ACCORDANCE WITH SEED MIX MANUFACTURES RECOMMENDATIONS.
   - 6.4. SOW SEED AT RATES SPECIFIED USING METHOD "A" OR METHOD "B" AS SPECIFIED IN SECTION 630 OF THE STATE HIGHWAY SPECIFICATIONS.
7. SEED MULCHING/EROSION MATTING SPECIFICATIONS:
   - 7.1. ALL SEEDED AREAS WITH SLOPES FLATTER THAN 4:1, UNLESS OTHERWISE NOTED ON THE PLANS, SHALL BE STABILIZED WITH WEED-FREE WHEAT STRAW MULCH WITH METHODS AND RATES IN ACCORDANCE WITH SECTION 627 OF THE STATE HIGHWAY SPECIFICATIONS.
   - 7.2. ALL SEEDED AREAS WITH SLOPES EQUAL TO OR STEEPER THAN 4:1, UNLESS OTHERWISE NOTED ON THE PLANS, SHALL BE STABILIZED WITH EROSION MATTING MATERIALS AS SPECIFIED ON THE PLANS. EROSION MATTING SHALL BE IN ACCORDANCE WITH SECTION 628 OF THE STATE HIGHWAY SPECIFICATIONS.

EROSION CONTROL NOTES

1. CONTRACTOR IS RESPONSIBLE TO NOTIFY ENGINEER OF RECORD AND OFFICIALS OF ANY CHANGES TO THE EROSION CONTROL AND STORMWATER MANAGEMENT PLANS.
2. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED BY THE CONTRACTOR IN ACCORDANCE WITH WDNR TECHNICAL STANDARDS AND JURISDICTIONAL REQUIREMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THESE STANDARDS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL EROSION CONTROL MEASURES WHICH MAY BE NECESSARY TO MEET UNFORESEEN FIELD CONDITIONS.
3. INSTALL PERIMETER EROSION CONTROL MEASURES (SUCH AS CONSTRUCTION ENTRANCES, SILT FENCE, AND EXISTING INLET PROTECTION) PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE COVER. MODIFICATIONS TO THE APPROVED EROSION CONTROL DESIGN IN ORDER TO MEET UNFORESEEN FIELD CONDITIONS IS ALLOWED IF MODIFICATIONS CONFORM TO WDNR TECHNICAL STANDARDS AND JURISDICTIONAL REQUIREMENTS. ALL DESIGN MODIFICATIONS MUST BE APPROVED BY THE JURISDICTIONAL AUTHORITIES PRIOR TO DEVIATION OF THE APPROVED PLAN.
4. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED BY JURISDICTIONS HAVING AUTORITY AND/OR ENGINEER OF RECORD SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.
5. INSPECTIONS AND MAINTENANCE OF ALL EROSION CONTROL MEASURES SHALL BE ROUTINE (ONCE PER WEEK MINIMUM) TO ENSURE PROPER FUNCTION OF EROSION CONTROLS AT ALL TIMES. EROSION CONTROL MEASURES ARE TO BE IN WORKING ORDER AT THE END OF EACH WORK DAY.
6. ALL EROSION AND SEDIMENT CONTROL ITEMS SHALL BE INSPECTED WITHIN 24 HOURS OF ALL RAIN EVENTS EXCEEDING 0.5". ANY DAMAGED EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED IMMEDIATELY UPON INSPECTION.
7. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL LOCATIONS OF VEHICLE INGRESS/EGRESS POINTS. ADDITIONAL LOCATIONS OTHER THAN AS SHOWN ON THE PLANS MUST BE PRE-APPROVED BY THE JURISDICTION. CONSTRUCTION ENTRANCES SHALL BE 50' LONG AND NO LESS THAN 12" THICK BY USE OF 3" SELECTED CRUSHED. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED BY THE CONTRACTOR IN A CONDITION WHICH WILL PREVENT THE TRACKING OF MUD OR DRY SEDIMENTOFF-SITE AFTER EACH WORKING DAY OR MORE FREQUENTLY AS REQUIRED.
8. PAVED SURFACES ADJACENT TO CONSTRUCTION SITE VEHICLE ACCESS SHALL BE SWEPT AND/OR SCRAPED TO REMOVE ACCUMULATED SOIL, DIRT, AND/OR DUST AFTER THE END OF EACH WORK DAY AND AS REQUESTED BY THE JURISDICTIONAL AUTHORITIES.
9. INLET PROTECTION SHALL BE IMMEDIATELY FITTED AT THE INLETS OF ALL INSTALLED STORM SEWER. STONE DITCH CHECKS FENCE SHALL BE IMMEDIATELY FITTED AT ALL INSTALLED CULVERT INLETS TO PREVENT SEDIMENT DEPOSITION WITHIN STORM SEWER SYSTEMS.
10. INSTALL EROSION CONTROLS ON THE DOWNSTREAM SIDE OF STOCKPILES. IF STOCKPILE REMAINS UNDISTURBED FOR MORE THAN SEVEN (7) DAYS, TEMPORARY SEEDING AND STABILIZATION IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES IS REQUIRED. IF DISTURBANCE OCCURS BETWEEN NOVEMBER 15TH AND MAY 15TH, THE MULCHING SHALL BE PERFORMED BY HYDRO-MULCHING WITH A "TACKIFIER."
11. EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.):
    - 11.1. PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
    - 11.2. BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
    - 11.3. DISCHARGE TRENCH WATER INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE WITH THE WDNR DEWATERING TECHNICAL STANDARD NO. 1061 PRIOR TO RELEASE INTO THE STORM SEWER, RECEIVING STREAM, OR DRAINAGE DITCH.
12. ALL SLOPES 4:1 OR GREATER SHALL BE STABILIZED WITH CLASS I, TYPE B EROSION MATTING PER STATE HIGHWAY SPECIFICATIONS OR APPLICATION OF A WISDOT APPROVED POLYMER SOIL STABILIZATION TREATMENT OR A COMBINATION THEREOF. AS REQUIRED WITHIN SEVEN (7) DAYS OF REACHING FINAL GRADE. DRAINAGE SWALES SHALL BE STABILIZED WITH CLASS II, TYPE B EROSION MATTING PER STATE HIGHWAY SPECIFICATIONS. EROSION MATTING AND/OR NETTING USED ONSITE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES AND WDNR TECHNICAL STANDARDS 1052 AND 1053.
13. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO CONTROL DUST ARISING FROM CONSTRUCTION OPERATIONS. REFER TO WDNR TECHNICAL STANDARD 1068.
14. A CONCRETE WASHOUT AREA SHALL BE DESIGNATED ONSITE. CONTRACTOR SHALL USE PRE-MANUFACTURED ABOVE GROUND WASHOUT TOTE OR EQUIVALENT CONTAINMENT AREA FOR ALL CONCRETE WASTE. CONCRETE WASTE SHALL ONLY BE CONTAINED IN ABOVE GROUND PRE-FABRICATED CONTAINERS OR CONSTRUCTED CONTAINMENT AREA AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FREQUENTLY DISPOSE OF OFF-SITE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS TO MAINTAIN THE SYSTEMS EFFECTIVENESS.
15. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. NO MORE THAN SEVEN (7) DAYS SHALL PASS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED UNLESS:
    - 15.1. THE INITIATION STABILIZATION MEASURES BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS CEASED OR IS PRECLUDED BY SNOW COVER. IN THAT EVENT, STABILIZATION SHALL BE INITIATED AS SOON AS PRACTICABLE.
    - 15.2. CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN FOURTEEN (14) DAYS FROM WHEN ACTIVITY CEASED (*I.E., THE TOTAL TIME PERIOD THAT THE CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN FOURTEEN (14) DAY).* IN THAT EVENT, STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED.
    - 15.3. STABILIZATION MEASURES SHALL BE DETERMINED BASED ONSITE CONDITIONS WHEN CONSTRUCTION ACTIVITY HAS CEASED INCLUDING, BUT NOT LIMITED TO, WEATHER CONDITIONS AND LENGTH OF TIME THE MEASURE MUST BE EFFECTIVE. THE FOLLOWING ARE ACCEPTABLE STABILIZATION MEASURES:
      - 15.3.1. PERMANENT SEEDING; IN ACCORDANCE WITH APPROVED CONSTRUCTION SPECIFICATION
      - 15.3.2. TEMPORARY SEEDING; MAY CONSIST OF SPRING OATS(100LBS ACRE) IN SPRING/SUMMER OR WHEAT OR CEREAL RYE (150LBS./ACRE) IN FALL
      - 15.3.3. HYDRO-MULCHING WITH A TACKIFIER
      - 15.3.4. WOVEN AND NON-WOVEN GEOTEXTILES
      - 15.3.5. EROSION MATTING
      - 15.3.6. SODDING
      - 15.3.7. OTHER MEASURES AS APPROVED BY THE ENGINEER
16. EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY AT THE SITE HAS BEEN COMPLETED AND THAT A UNIFORM PERENNIAL VEGETATIVE COVER HAS BEEN ESTABLISHED WITH A CONTIGUOUS DENSITY OF AT LEAST 70% FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES OR THAT EMPLOY EQUIVALENT PERMANENT STABILIZATION MEASURES.
17. CONTRACTOR/OWNER SHALL FILE A NOTICE OF TERMINATION UPON COMPLETION OF THE PROJECT IN ACCORDANCE WITH WDNR REQUIREMENTS AND/OR REQUEST FOR PERMIT CLOSURE IN ACCORDANCE WITH JURISDICTION PERMIT AND SPECIFICATION REQUIREMENTS.

LEGEND

- PROPERTY LINE
- EASEMENT LINE
- BUILDING OUTLINE
- BUILDING OVERHANG
- EDGE OF PAVEMENT
- STANDARD CURB AND GUTTER
- REJECT CURB AND GUTTER
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- PERMEABLE PAVERS
- PROPOSED 1 FOOT CONTOUR (851)
- PROPOSED 5 FOOT CONTOUR (850)
- EXISTING 1 FOOT CONTOUR (851)
- EXISTING 5 FOOT CONTOUR (850)
- GRADE BREAK
- SILT FENCE (SF)
- SILT SOCK (SS)
- CONSTRUCTION ENTRANCE
- XXX.XX SPOT ELEVATION
- INLET PROTECTION
- EROSION MATTING
- PROPOSED PUBLIC SIDEWALK IMPROVEMENT
- PROPOSED PUBLIC SIDEWALK EASEMENT
- PROPOSED ELECTRIC EASEMENT

DIGGERS HOTLINE
Toll Free (800) 242-8511

north

SCALE IN FEET
30' 0 30'

JSD
CREATE THE VISION TELL THE STORY
jsdinc.com
MILWAUKEE REGIONAL OFFICE
W238 N1610 BUSSE ROAD, SUITE 100
WAUKESHA, WISCONSIN 53188
P. 262.513.0666

CLIENT:
NEW LAND ENTERPRISES

CLIENT ADDRESS:
1840 N. FARWELL AVENUE
MILWAUKEE, WI 53202

PROJECT:
2030 PENNSYLVANIA AVE.

PROJECT LOCATION:
2030 PENNSYLVANIA AVENUE
MADISON, DANE COUNTY
WISCONSIN, 53704

PLAN MODIFICATIONS:

#	Date:	Description:
1	01/05/2026	LAND USE/UDC SUBMITTAL
2		
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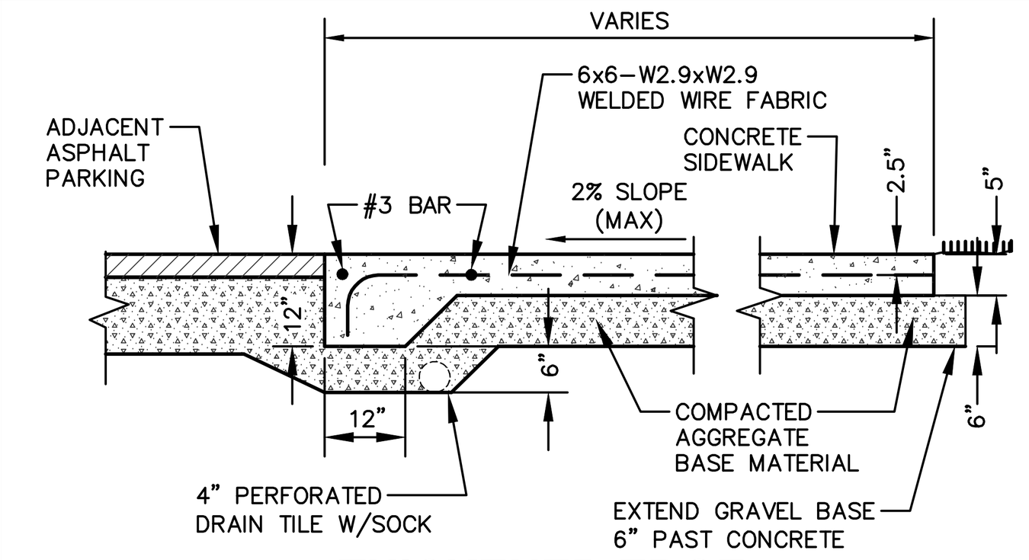
Designed By: PJS
Reviewed By: CAJ
Approved By:

SHEET TITLE:
EROSION CONTROL PLAN PHASE 1

SHEET NUMBER:
C5.0

JSD PROJECT NO: 25-16063

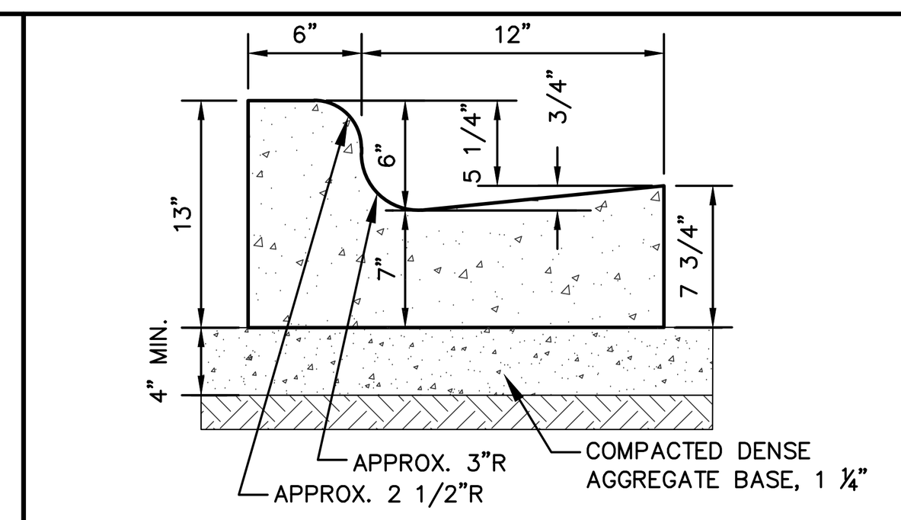
File: R:\2025\25160632DWG\Civil Sheets\25160632 Civil Con Docs.dwg Layout: C5.0 - EROSION (PHASE 1) User: Patrick.Shay Plotted: Jan 06, 2026 - 2:26pm Xref's:



THICKENED EDGE SIDEWALK - FLUSH

N.T.S.

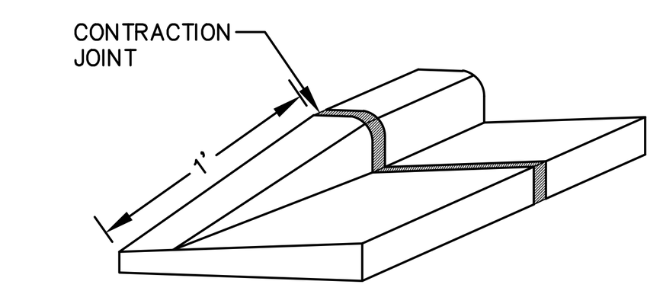
REV. 07-14-2020



18" STANDARD CURB & GUTTER

N.T.S.

REV. 12-17-2018



TAPER CURB HEAD

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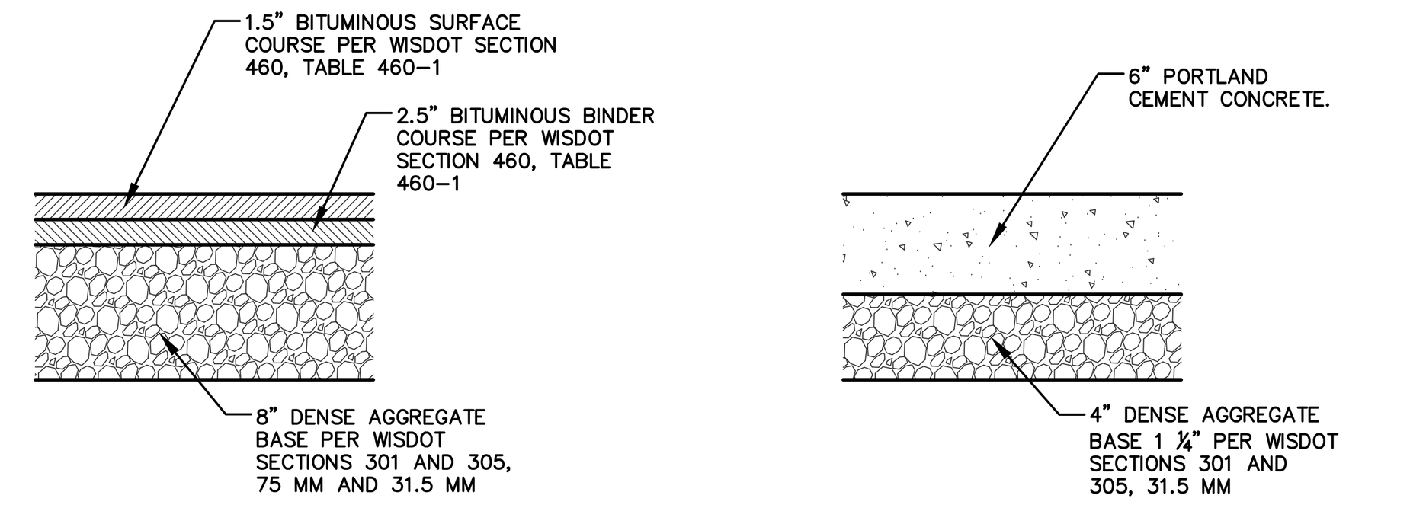


STANDARD ASPHALT PAVEMENT SECTION

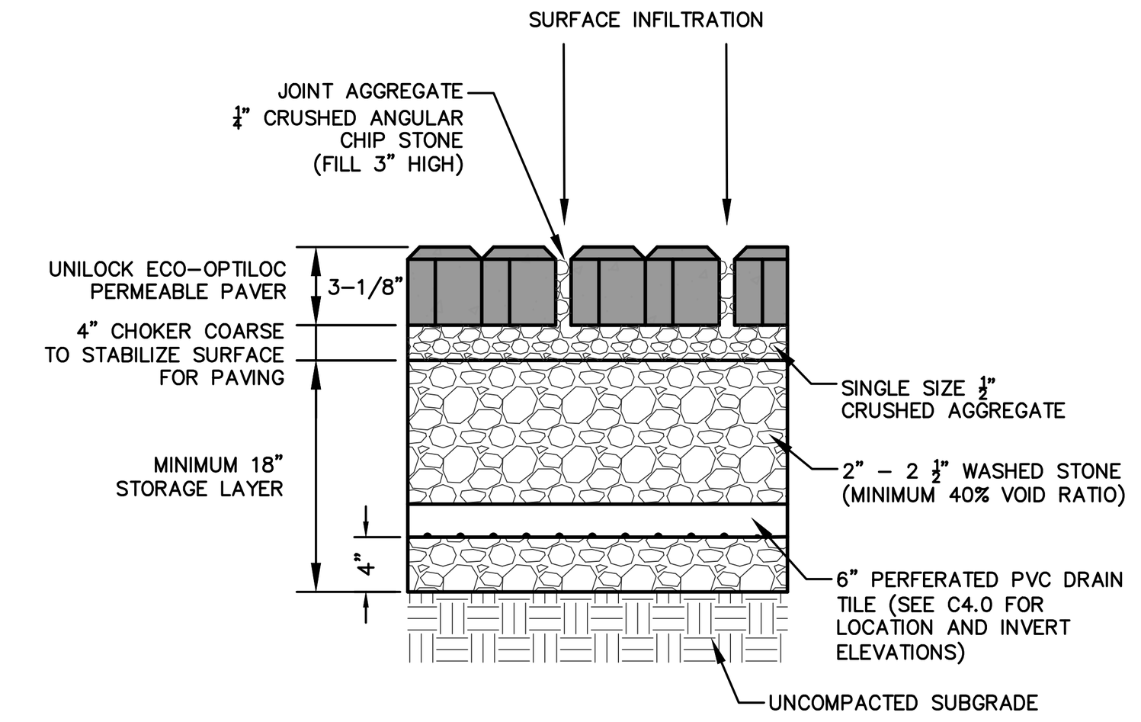
CONCRETE SIDEWALK SECTION

GENERAL NOTES:

1. REFER TO PAVEMENT RECOMMENDATIONS IN THE GEOTECHNICAL INVESTIGATION REPORT, IF THERE ARE ANY DISCREPANCIES BETWEEN THIS DETAIL AND THE PAVEMENT RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL INVESTIGATION REPORT, THE GEOTECHNICAL REPORT SHALL GOVERN.
2. WISDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, INCLUDING SUPPLEMENTAL SPECIFICATIONS, COMPACTION REQUIREMENTS:
   - BITUMINOUS CONCRETE: REFER TO SECTION 460-3.
   - BASE COURSE: REFER TO SECTION 301.3.4.2, STANDARD COMPACTION.
3. CONCRETE EQUIPMENT PADS SHALL HAVE A MINIMUM 6" THICK PORTLAND CEMENTER CONCRETE OVER COMPACTED 6" THICK DENSE GRADED BASE WITH REINFORCEMENT FOR CRACK CONTROL.

PAVEMENT SECTIONS

REV. 7-01-2019



PERMEABLE PAVER TYPICAL DESIGN

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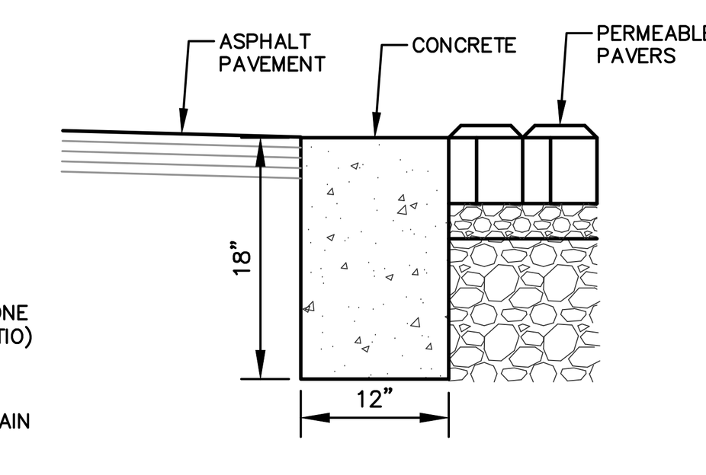

PAVER CONCRETE APRON

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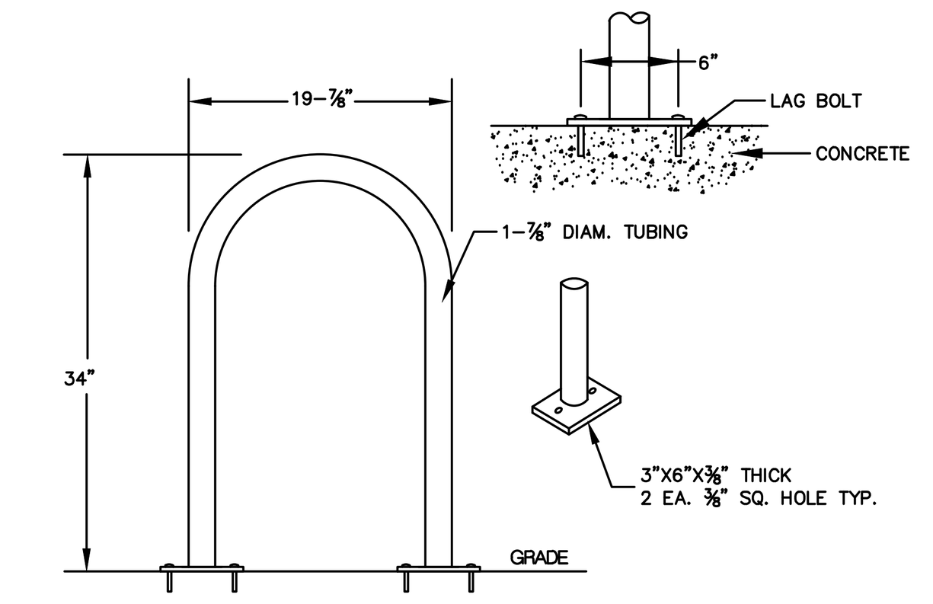
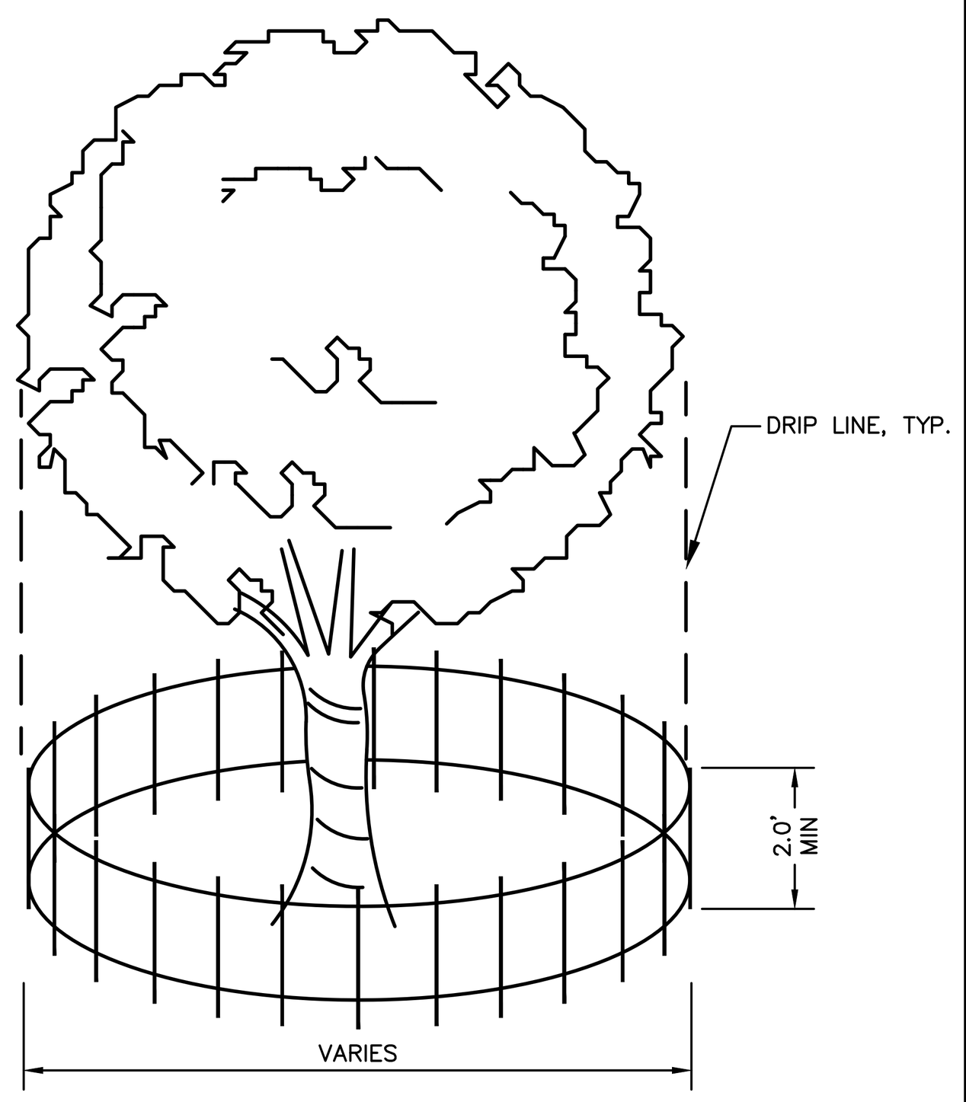


PRODUCT: U190-SF
DECRIPTION: "U" BIKE RACK
2-BIKE, SURFACE MOUNT
POWDER COATED FINISH
-INSTALL PER MANUFACTURES SPECIFICATIONS

MADRAX "U" BIKE RACK DETAIL

N.T.S.



NOTE:

FENCE TO BE INSTALLED TO PROTECT EXISTING TREE(S) DURING CONSTRUCTION. CONTRACTOR TO COORDINATE FENCE LOCATION WITH OWNER PRIOR TO INSTALLATION. SILT FENCE MATERIAL OR OTHER APPROVED BARRIER MATERIAL MAY BE USED.

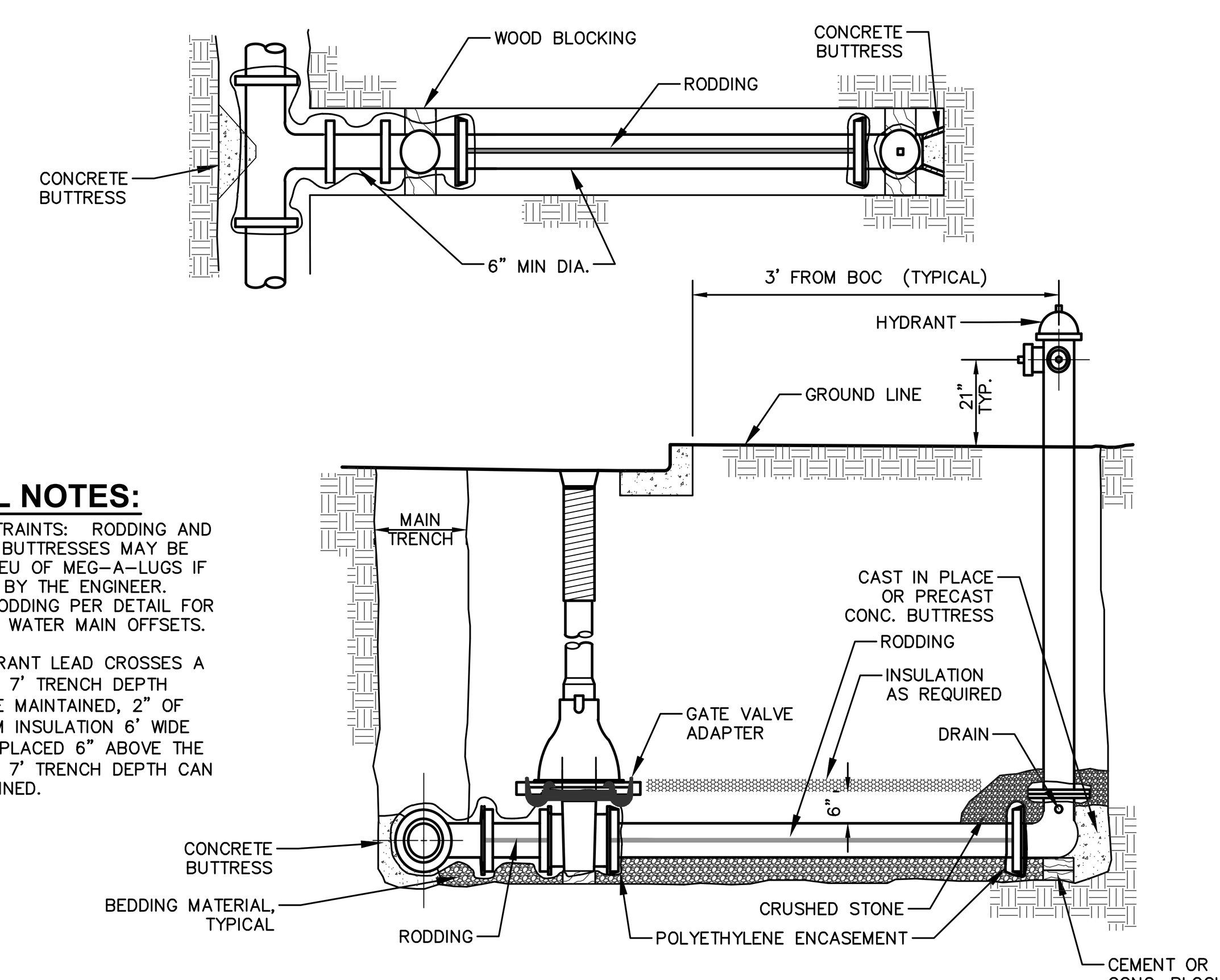
TREE PROTECTION

N.T.S.

REV. 11-26-2018

GENERAL NOTES:

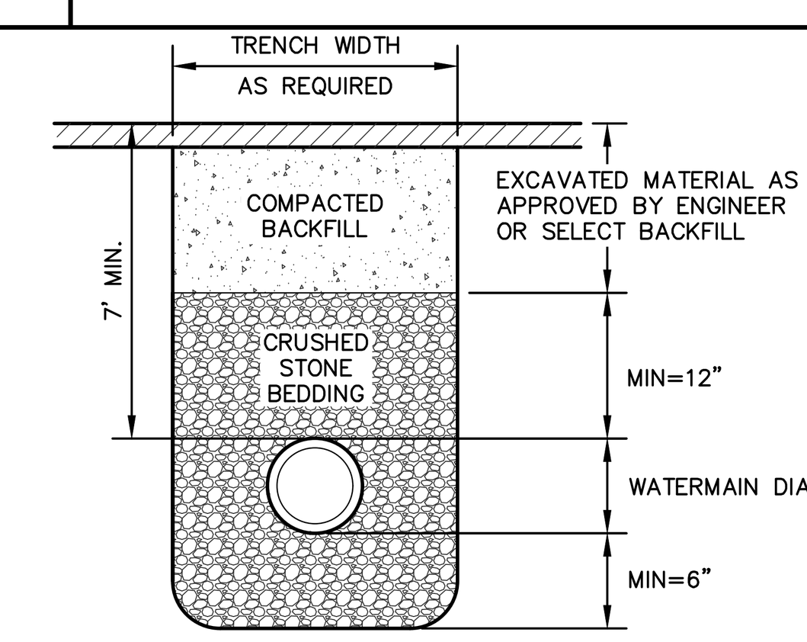
1. JOINT RESTRAINTS: RODDING AND CONCRETE BUTTRESSES MAY BE USED IN LIEU OF MEG-A-LUGS IF APPROVED BY THE ENGINEER. PROVIDE RODDING PER DETAIL FOR STRAPPING WATER MAIN OFFSETS.
2. WHEN HYDRANT LEAD CROSSES A DITCH & A 7' TRENCH DEPTH CANNOT BE MAINTAINED, 2" OF STYROFOAM INSULATION 6' WIDE SHALL BE PLACED 6" ABOVE THE PIPE UNTIL 7' TRENCH DEPTH CAN BE MAINTAINED.



FIRE HYDRANT AND VALVE ASSEMBLY

N.T.S.

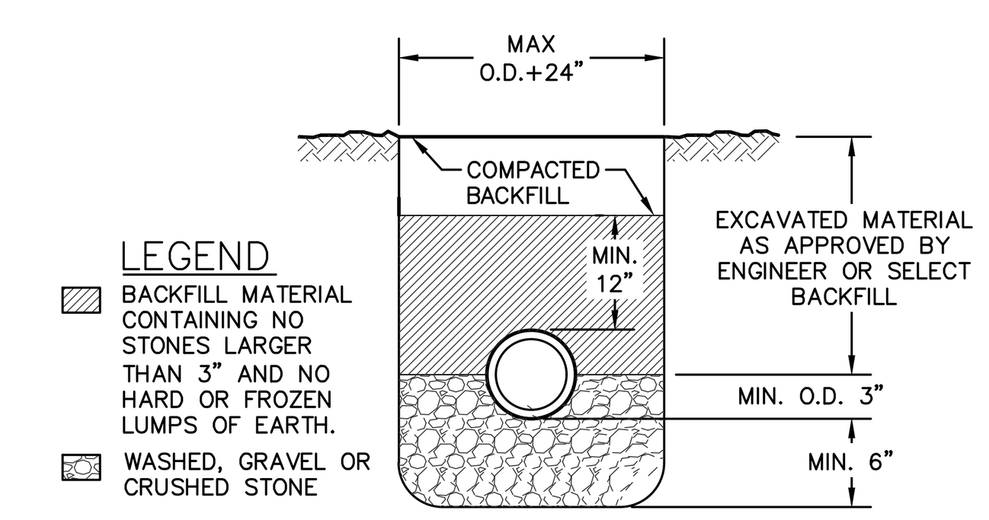
REV. 12-03-2018



WATERMAIN BEDDING

N.T.S.

REV. 12-05-2018



LEGEND

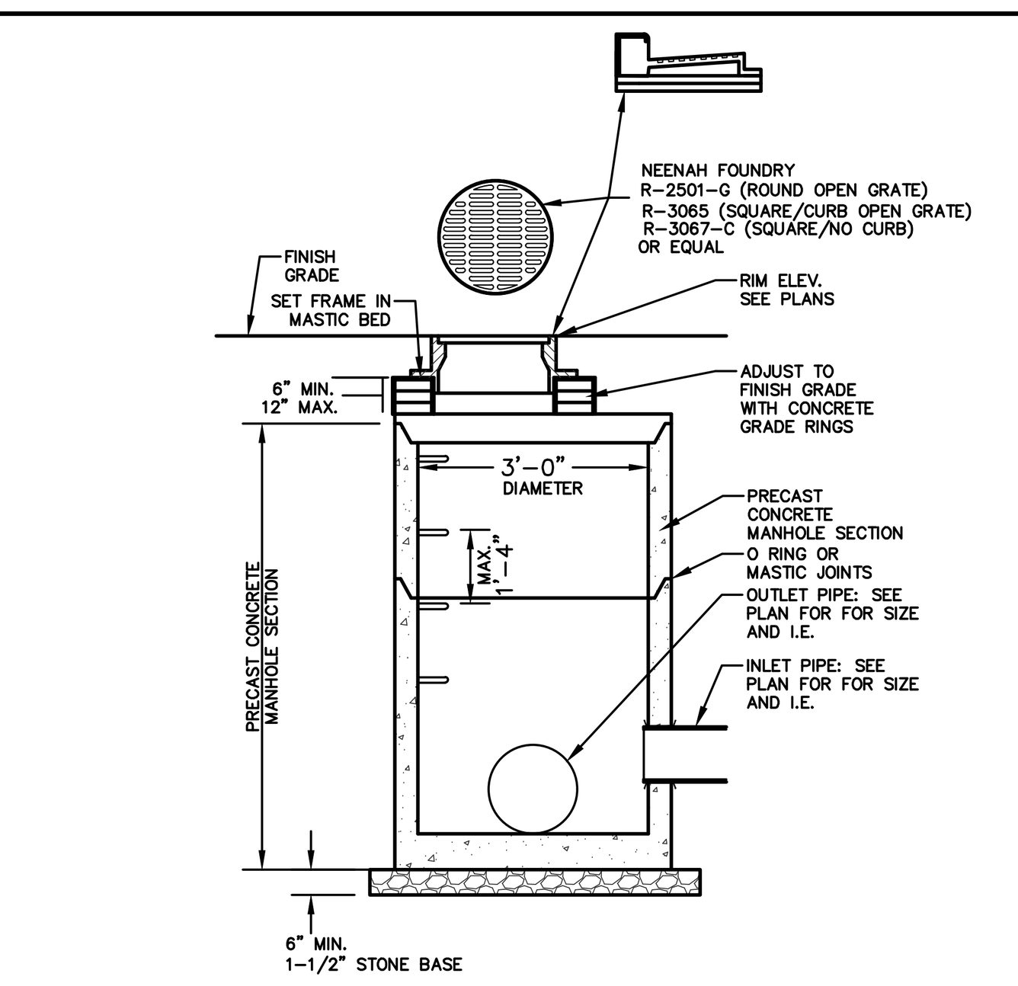
BACKFILL MATERIAL CONTAINING NO STONES LARGER THAN 3" AND NO HARD OR FROZEN LUMPS OF EARTH.

WASHED, GRAVEL OR CRUSHED STONE

STORM & SANITARY SEWER BEDDING

N.T.S.

REV. 12-05-2018

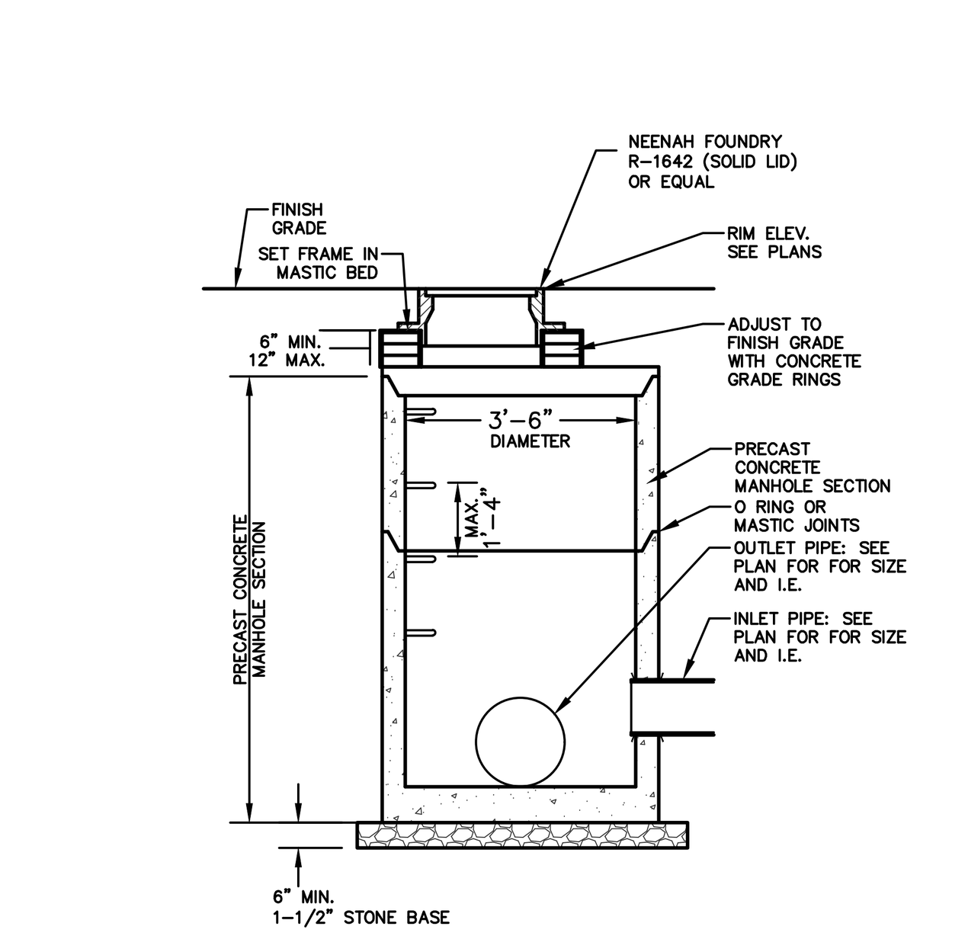


GENERAL NOTES:

1. INLET CONSTRUCTION TO MEET REQUIREMENTS OF ASTM C478.
2. PROVIDE FLAT TOP SLAB FOR MANHOLES 5' OR LESS IN DEPTH. FLAT TOP SLABS TO BE IN-BELL TYPE.
3. JOINTS SHALL BE WATERTIGHT. USE BUTYL RUBBER GASKET.
4. USE MORTAR FOR PIPE CONNECTIONS.

STORM SEWER INLET

N.T.S.



GENERAL NOTES:

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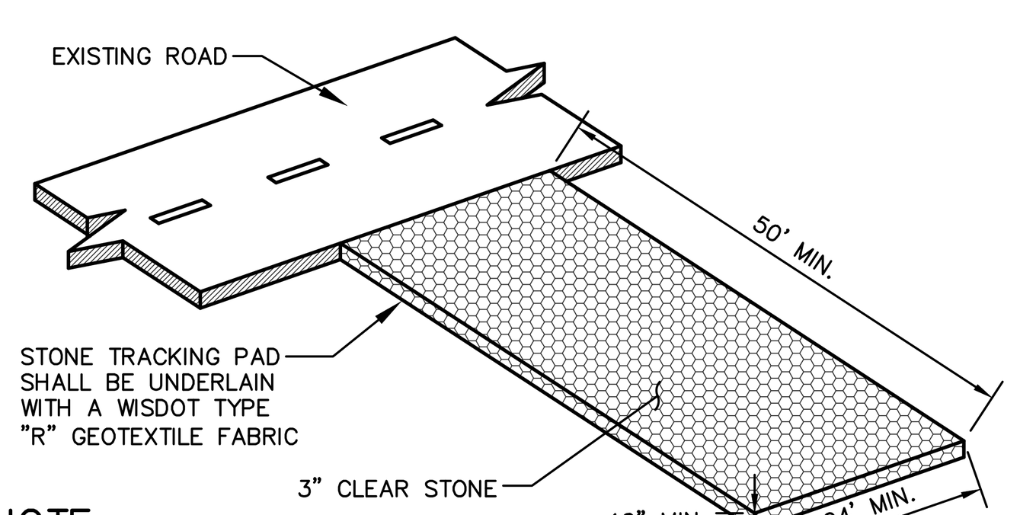
2. PROVIDE FLAT TOP SLAB FOR MANHOLES 5' OR LESS IN DEPTH. FLAT TOP SLABS TO BE IN-BELL TYPE.
3. JOINTS SHALL BE WATERTIGHT. USE BUTYL RUBBER GASKET.
4. USE MORTAR FOR PIPE CONNECTIONS.

STORM SEWER MANHOLE

N.T.S.



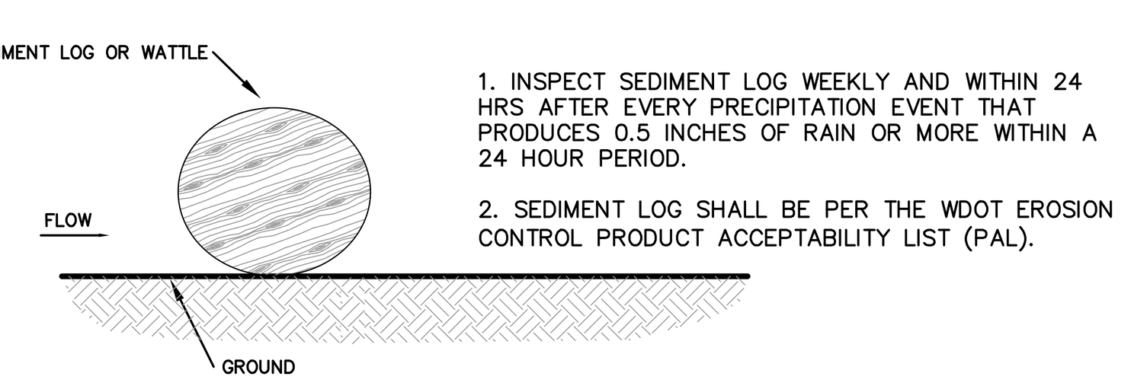
NOTE:

- CONTRACTOR TO VERIFY LOCATION WITH OWNER.
- MANUFACTURED TRACKOUT MATS ARE AN ACCEPTABLE ALTERNATIVE PER WDNR TECHNICAL STANDARD 1057.

CONSTRUCTION ENTRANCE

N.T.S.

REV. 04-24-2024



1. INSPECT SEDIMENT LOG WEEKLY AND WITHIN 24 HRS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE WITHIN A 24 HOUR PERIOD.

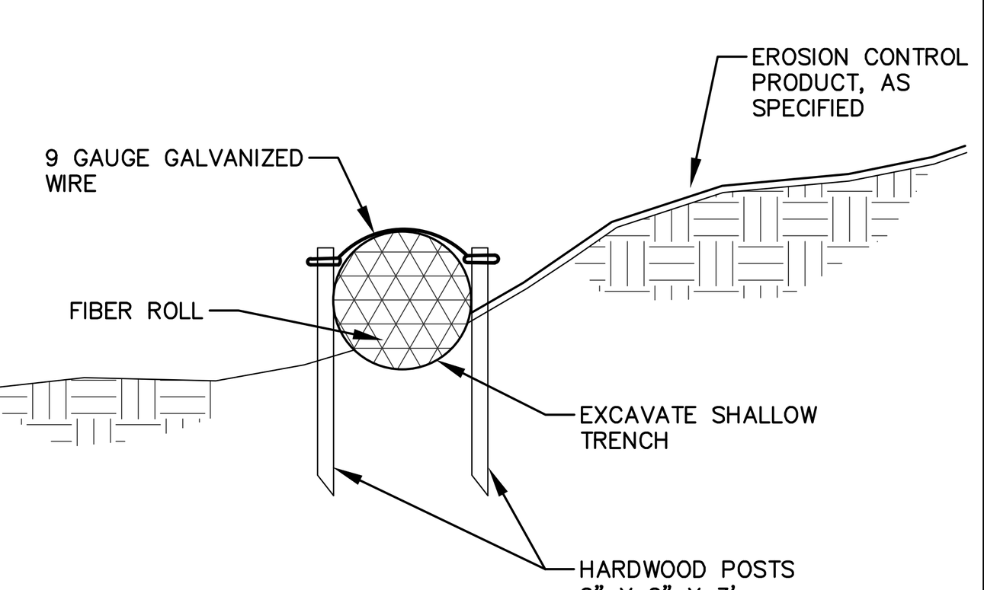
2. SEDIMENT LOG SHALL BE PER THE WDOT EROSION CONTROL PRODUCT ACCEPTABILITY LIST (PAL).

FIBER SILT SOCK

PER WDNR TECHNICAL STANDARD 1062

NOT TO SCALE

FOR USE ON PAVED SURFACES



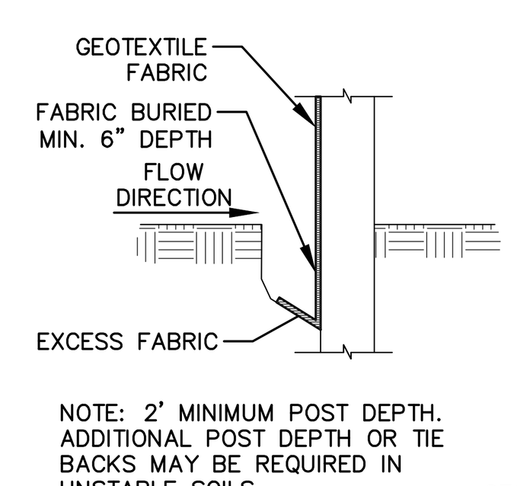
GENERAL NOTES:

1. EXCAVATE A SHALLOW TRENCH SLIGHTLY BELOW BASEFLOW OR A 4" TRENCH ON SLOPE CONTOURS.
2. PLACE THE ROLL IN THE TRENCH AND ANCHOR WITH 2" X 2" POSTS PLACED ON BOTH SIDES OF THE ROLL AND SPACED LATERALLY ON 2' TO 4' CENTERS. TRIM THE TOP OF THE POSTS EVEN WITH THE EDGE OF THE ROLL, IF NECESSARY.
3. NOTCH THE POSTS AND TIE TOGETHER, ACROSS THE ROLL, WITH 9 GAUGE GALVANIZED WIRE OR 1/8" DIAMETER BRAIDED NYLON ROPE.
4. PLACE SOIL EXCAVATED FROM THE TRENCH BEHIND THE ROLL AND HAND TAMP. PLANT WITH SUITABLE HERBACEOUS OR WOODY VEGETATION AS SPECIFIED.

FIBER SILT SOCK

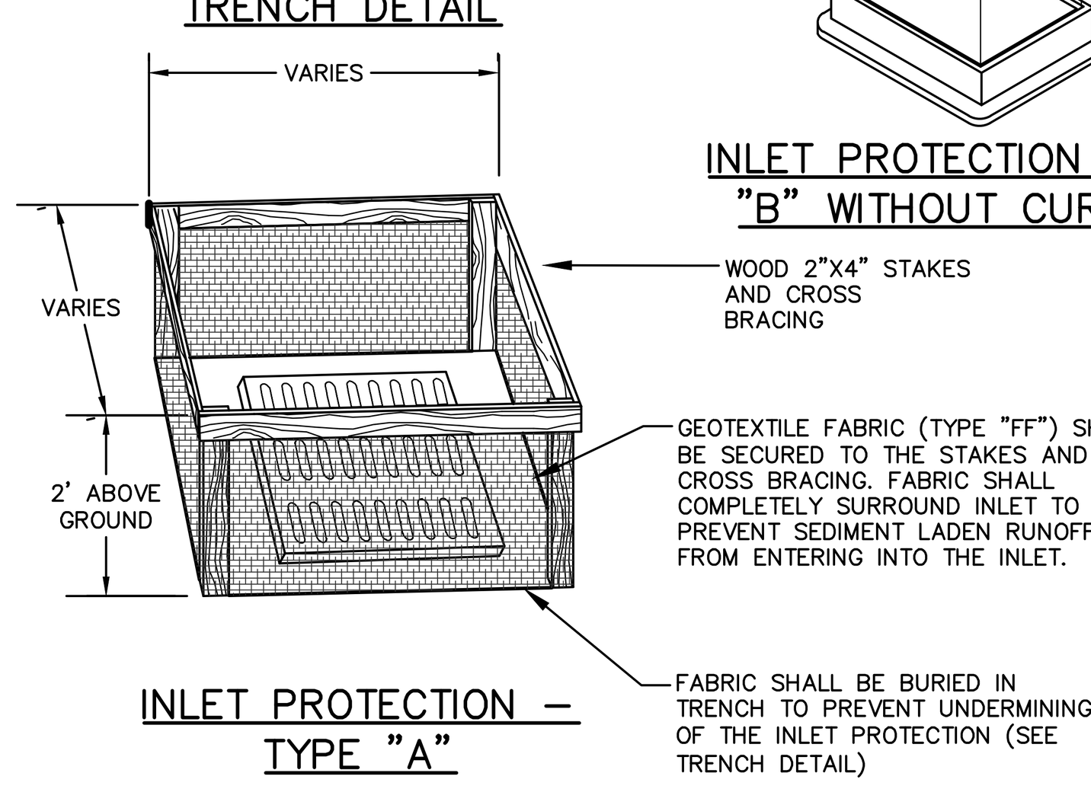
N.T.S.

REV. 12-7-2018



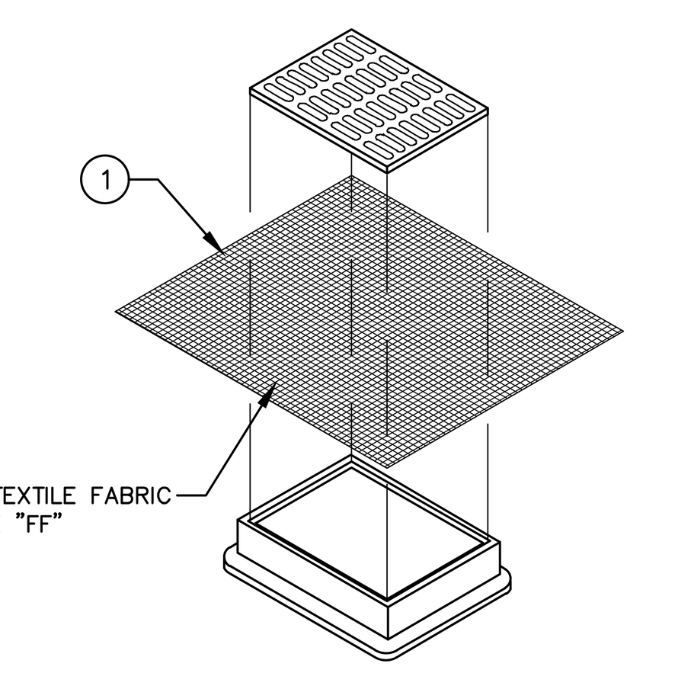
NOTE: 2" MINIMUM POST DEPTH. ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS

TRENCH DETAIL



INLET PROTECTION – TYPE "A"

REV. 11-19-2018



INLET PROTECTION – TYPE "B" WITHOUT CURB BOX

GENERAL NOTES:

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

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

(1) FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER OF FACILITATE MAINTENANCE OR REMOVAL.

(2) FOR INLET PROTECTION, TYPE "C" (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

(3) FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT A WOOD 2X4

INSTALLATION NOTES:

TYPE "B" & "C"

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3 INCHES OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHODS TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

INSTALLATION NOTES:

TYPE "D"

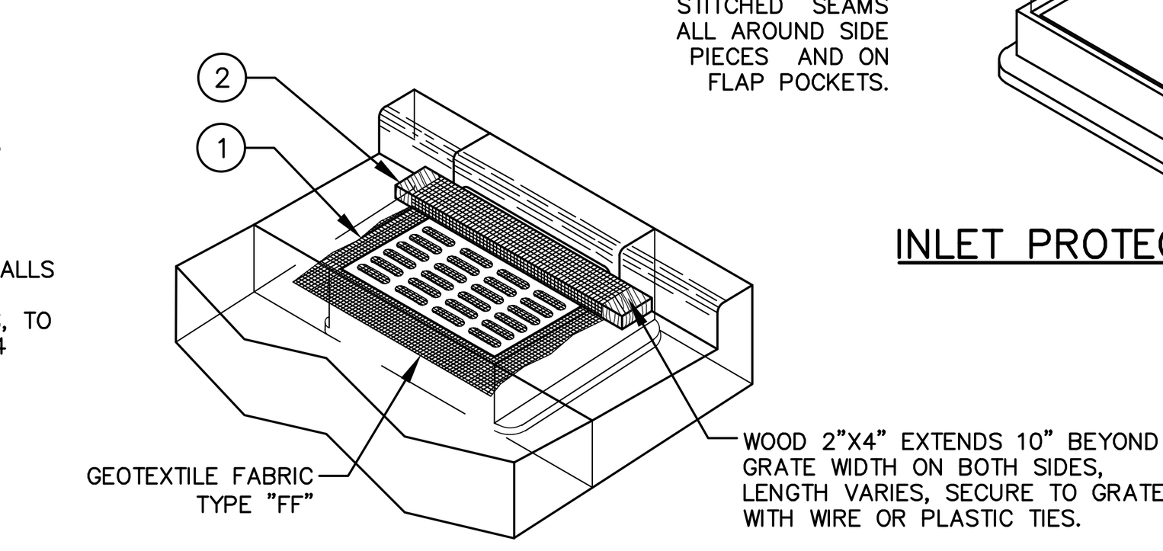
DO NOT INSTALL INLET PROTECTION TYPE "D" IN INLETS SHALLOWER THAN 30 INCHES, MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3 INCHES OF THE GRATE.

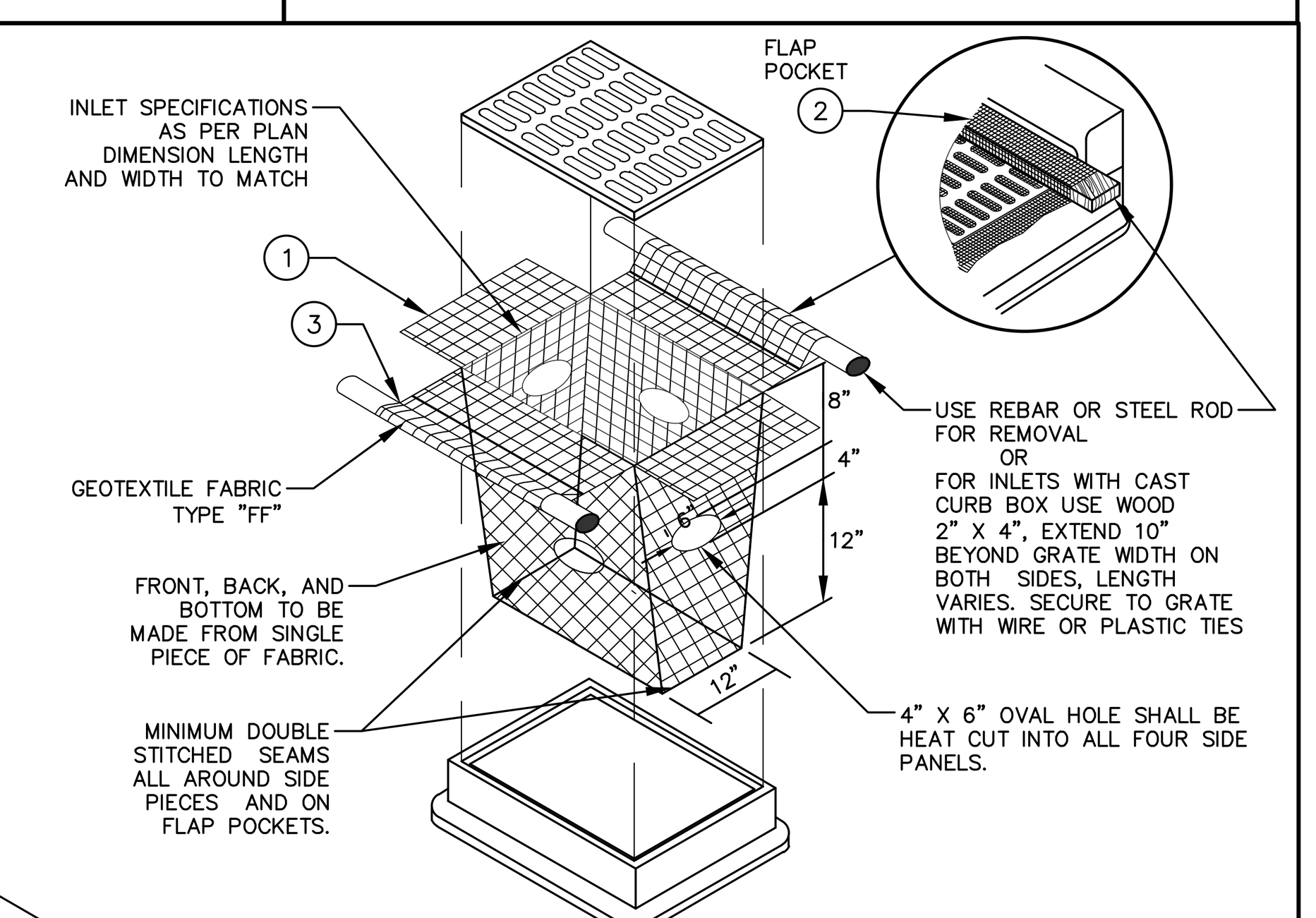
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3 INCHES. WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3 INCHES CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4 INCHES FROM THE BOTTOM OF THE BAG.

INLET PROTECTION

N.T.S.



INLET PROTECTION – TYPE "C" WITH CURB BOX



INLET PROTECTION – TYPE "D"

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MILWAUKEE REGIONAL OFFICE
W238 N1610 BUSSE ROAD, SUITE 100
WAUKESHA, WISCONSIN 53188
P. 262.513.0666

CLIENT:

NEW LAND ENTERPRISES

CLIENT ADDRESS:
1840 N. FARWELL AVENUE
MILWAUKEE, WI 53202

PROJECT:
2030 PENNSYLVANIA AVE.

PROJECT LOCATION:
2030 PENNSYLVANIA AVENUE
MADISON, DANE COUNTY
WISCONSIN, 53704

PLAN MODIFICATIONS:

#	Date:	Description:
1	01/05/2026	LAND USE/UDC SUBMITTAL
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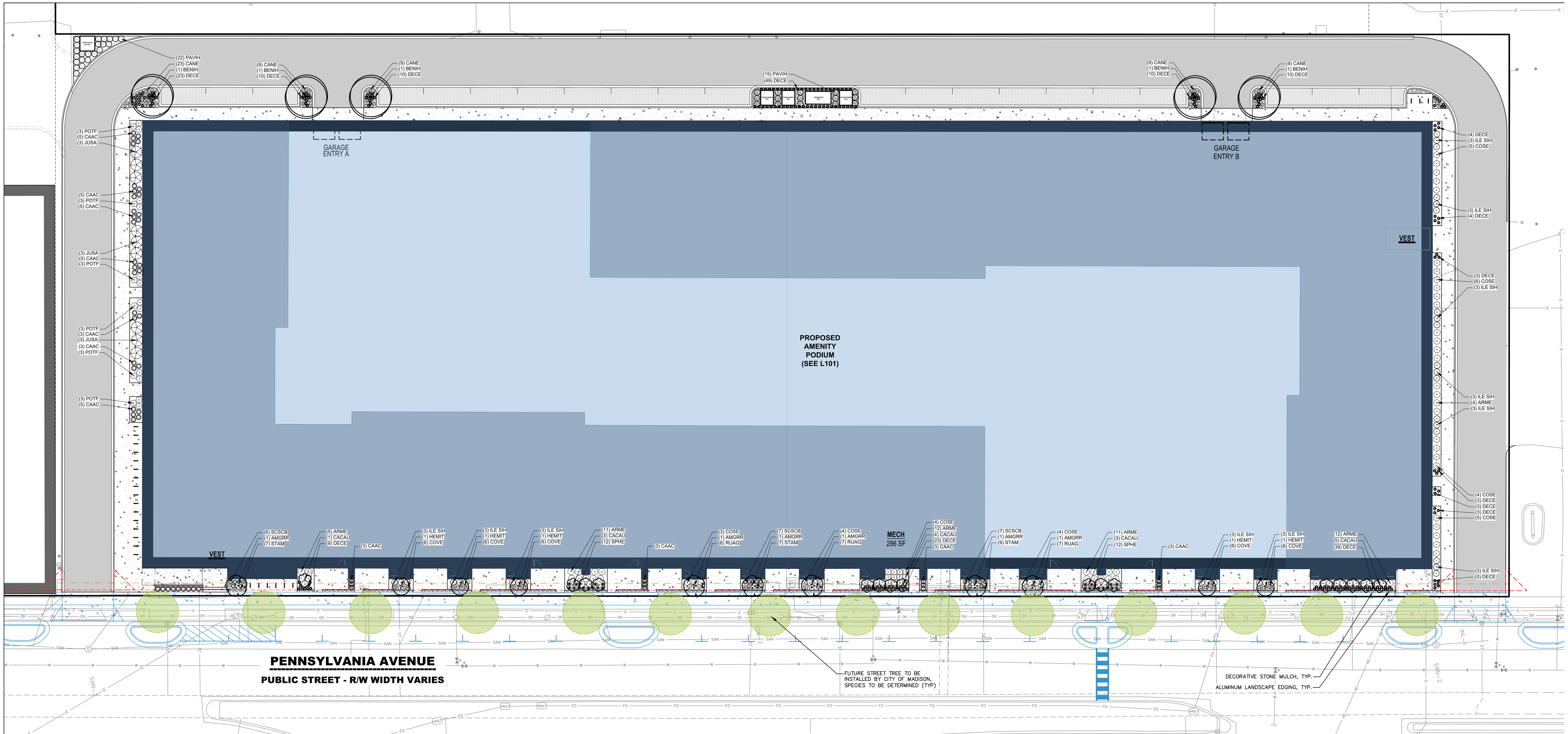
Designed By: PJS
Reviewed By: CAJ
Approved By:

SHEET TITLE:
DETAILS - PHASE 1

SHEET NUMBER:
C6.0

JSD PROJECT NO: 25-16063



PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT	SIZE	QTY
ORNAMENTAL TREES					
	AMGRR	*Amelanchier x grandiflora `Robin Hill` / Robin Hill Apple Serviceberry*	B & B	6' Ht. (min)	19
	CACAU	*Carpinus caroliniana 'J.N. Upright' / Firespire® American Hornbeam*	B & B	4' Ht. (min)	16
	HEMIT	*Heptacodium miconioides 'SMNHMRF' / Temple of Bloom® Seven Son Flower*	B & B	8' Ht. (min)	5
OVERSTORY DECIDUOUS TREES					
	BENIH	*Betula nigra `Heritage` - Single / Heritage River Birch - Single*	B & B	2.5" Cal	5
	BEPO	*Betula populifolia `Whitespire` - Single / Whitespire Birch - Single*	B & B	2.5" Cal	12
UPRIGHT EVERGREEN SHRUB					
	JUCHI	*Juniperus chinensis `Iowa` / Iowa Juniper*	B & B	6' Ht. (min)	7
DECIDUOUS SHRUBS					
	ARME	*Aronia melanocarpa `Morton` TM / Iroquis Beauty Black Chokeberry*	#3	12" Ht. (min)	92
	CLAL	*Clethra alnifolia `Ruby Spice` / Ruby Spice Clethra*	#3	18" Ht. (min)	38
	COBA	*Cornus baileyi / Bailey`s Red-twig Dogwood*	B & B	36" Ht. (min)	16
	COSE	*Cornus sericea 'Farrow' / Arctic Fire® Red Twig Dogwood*	#3	24" Ht. (min)	59
	HYPAL	*Hydrangea paniculata `Little Quick Fire` / Little Quick Fire Hydrangea*	#3	18" Ht. (min)	50
	PHOPA	*Physocarpus opulifolius `Amber Jubilee` / Amber Jubilee Ninebark*	#5	24" Ht. (min)	11
	POTF	*Potentilla fruticosa 'Goldfinger' / Goldfinger Bush Cinquefoil*	#3	Min. 12"-24"	61
EVERGREEN SHRUBS					
	BUGM	*Buxus x 'Green Mountain' / Green Mountain Boxwood*	B & B	18" Ht. (min)	47
	ILE SIH	*Ilex glabra 'ILEXFARROWTRACEY' / Strongbox® Inkberry Holly*	#5	Min. 24"	33
	JUCHK	*Juniperus chinensis 'Kallays Compacta` / Kally Pfitzer Compact Juniper*	#5	18" Dia. (min)	33
	JUHO	*Juniperus horizontalis 'Wiltonii' / Blue Rug Juniper*	#5	18" Dia. (min)	8
	JUSA	*Juniperus sabina `Mini-Arcadia` / Mini Arcadia Juniper*	#5	24" Dia. (min)	9
PERENNIALS & GRASSES					
	ALSU	*Allium x `Summer Beauty` / Summer Beauty Allium*	#1	Min. 8"-18"	31
	AMSB	*Amsonia x 'Blue Ice' / Blue Ice Bluestar*	#1	Min. 8"-18"	114
	CAAC	*Calamagrostis x acutiflora 'Karl Foerster' / Karl Foerster Feather Reed Grass*	#1	Min. 8"-18"	298
	CANE	*Calamintha nepeta `Montrose White` / Montrose White Catmint*	#1	Min. 8"-18"	109
	CARD	*Carex radiata / Eastern Star Sedge*	#1	Min. 8"-18"	54
	COVE	*Coreopsis verticillata 'Zagreb' / Zagreb Tickseed*	#1	Min 8"-18"	112
	DECE	*Deschampsia cespitosa 'Goldtau' / Gold Dew Tufted Hair Grass*	#1	Min 8"-18"	215
	GERR	*Geranium x `Rozanne` / Rozanne Cranesbill*	#1	Min. 8"-18"	27
	HEBT	*Heuchera x 'Berry Timeless' / Berry Timeless Coral Bells*	#1	Min 8"-18"	66
	MOCAH	*Molinia caerulea 'Heidebraut' / Heidebraut Moor Grass*	#1	Min 8"-18"	37
	PAVIH	*Panicum virgatum 'Heavy Metal' / Heavy Metal Switch Grass*	#1	Min. 12"-24"	133
	RUAG	*Rudbeckia x 'American Gold Rush' / American Gold Rush Coneflower*	#1	Min. 8"-18"	20
	SCSCB	*Schizachyrium scoparium 'MinnblueA' / Blue Heaven® Little Bluestem*	#1	Min. 8"-18"	134
	SPHE	*Sporobolus heterolepis / Prairie Dropseed*	#1	Min. 8"-18"	83
	STAM	*Stachys monieri 'Hummelo' / Hummelo Betony*	#1	Min 8"-18"	23

MUNICIPAL LANDSCAPE REQUIREMENTS

LANDSCAPE CALCULATIONS AND DISTRIBUTIONS

REQUIRED LANDSCAPED AREAS SHALL BE CALCULATED BASED UPON THE TOTAL DEVELOPED AREA OF THE PROPERTY. DEVELOPED AREA IS DEFINED AS THAT AREA WITHIN A SINGLE CONTIGUOUS BOUNDARY WHICH IS MADE UP OF STRUCTURES, PARKING, DRIVEWAYS AND DOCKING/LOADING FACILITIES, BUT EXCLUDING THE AREA OF ANY BUILDING FOOTPRINT AT GRADE, LAND DESIGNATED FOR OPEN SPACE USES SUCH AS ATHLETIC FIELDS, AND UNDEVELOPED LAND AREA ON THE SAME ZONING LOT. THERE ARE THREE METHODS FOR CALCULATING LANDSCAPE POINTS DEPENDING ON THE SIZE OF THE LOT AND ZONING DISTRICT.

(A) FOR ALL LOTS EXCEPT THOSE DESCRIBED IN (B) AND (C) BELOW, FIVE (5) LANDSCAPE POINTS SHALL BE PROVIDED FOR EACH THREE HUNDRED (300) SQUARE FEET OF DEVELOPED AREA.

TOTAL SQUARE FOOTAGE OF DEVELOPED AREA: 40,965 SF
TOTAL LANDSCAPE POINTS REQUIRED: 683 POINTS

(B) ~~FOR LOTS LARGER THAN FIVE (5) ACRES, POINTS SHALL BE PROVIDED AT FIVE (5) POINTS PER THREE HUNDRED (300) SQUARE FEET FOR THE FIRST FIVE (5) DEVELOPED ACRES, AND ONE (1) POINT PER ONE HUNDRED (100) SQUARE FEET FOR ALL ADDITIONAL ACRES.~~

~~TOTAL SQUARE FOOTAGE OF DEVELOPED AREA:~~
~~FIVE (5) ACRES~~ =
~~FIRST FIVE (5) DEVELOPED ACRES~~
~~REMAINDER OF DEVELOPED AREA:~~
~~TOTAL LANDSCAPE POINTS REQUIRED~~

(C) ~~FOR THE INDUSTRIAL – LIMITED (IL) AND INDUSTRIAL – GENERAL (IG) DISTRICTS, ONE (1) POINT SHALL BE PROVIDED PER ONE HUNDRED (100) SQUARE FEET OF DEVELOPED AREA.~~

~~TOTAL SQUARE FOOTAGE OF DEVELOPED AREA:~~
~~TOTAL LANDSCAPE POINTS REQUIRED:~~

TABULATION OF LANDSCAPE CREDITS AND POINTS

			CREDITS / EXISTING LANDSCAPING		NEW / PROPOSED LANDSCAPING	
PLANT TYPE/ELEMENT	MINIMUM INSTALLATION SIZE	POINTS	QUANTITY	POINTS ACHIEVED	QUANTITY	POINTS ACHIEVED
OVERSTORY DECIDUOUS TREE	2.5" CAL MIN.	35	0	0	17	595
TALL EVERGREEN TREE	5-6' TALL MIN.	35	0	0	0	0
ORNAMENTAL TREE	1.5" CAL MIN.	15	0	0	40	600
UPRIGHT EVERGREEN SHRUB	3-4' TALL, MIN.	10	0	0	7	70
SHRUB, DECIDUOUS	#3 CONT., MIN. 12"-24"	3	0	0	327	981
SHRUB, EVERGREEN	#3 CONT., MIN. 12"-24"	4	0	0	130	520
ORNAMENTAL GRASS & PERENNIAL	#1 CONT., MIN. 8"-18"	2	0	0	1456	2912
ORNAMENTAL / DECORATIVE FENCING OR WALL	4 POINTS / 10 LF	.4	0	0	0	0
EXISTING SIGNIFICANT SPECIMAN TREE	14 POINTS / CAL. (MAXIMUM 200 POINTS PER TREE)	14	0	0	0	0
LANDSCAPE FURNITURE	5 POINTS PER SEAT (WITHIN PUBLICALLY ACCESSIBLE DEVELOPED AREA. CANNOT COMPRISE MORE THAN 5% OF TOTAL REQUIRED POINTS)	5	0	0	0	0
		SUBTOTAL		**0**		**5,678**
TOTAL NUMBER OF POINTS PROVIDED			**5,678**			

GENERAL NOTES

1. REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGEND.
2. ALL WORK IN THE ROW SHALL BE IN ACCORDANCE WITH THE MUNICIPAL STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
3. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.
4. DRAWING FOR REVIEW – NOT FOR CONSTRUCTION UNLESS OTHERWISE NOTED IN THE TITLE BLOCK.
5. THE LANDSCAPE CONTRACTOR SHALL COORDINATE ALL FINE GRADING AND TOPSOILING WITH GENERAL CONTRACTOR
6. REFER TO "LANDSCAPE DETAILS AND NOTES" SHEET FOR ADDITIONAL DETAILS, NOTES AND SPECIFICATION INFORMATION INCLUDING MATERIALS, GUARANTEE AND EXECUTION RELATED TO LANDSCAPE PLAN
7. CONTRACTOR SHALL REVIEW SITE CONDITIONS FOR UTILITY CONFLICTS, DRAINAGE ISSUES, SUBSURFACE ROCK, AND PLANT PLACEMENT CONFLICTS PRIOR TO PLANT INSTALLATION. REPORT ANY CONDITIONS THAT MAY HAVE ADVERSE IMPACT ON PLANTING OPERATIONS TO LANDSCAPE ARCHITECT
8. DO NOT COMMENCE PLANTING OPERATIONS UNTIL ALL ADJACENT SITE IMPROVEMENTS, IRRIGATION INSTALLATION (IF APPLICABLE), AND FINISH GRADING ARE COMPLETE

CITY FORESTRY NOTES

1. ALL PROPOSED STREET TREE REMOVALS WITHIN THE RIGHT OF WAY SHALL BE REVIEWED BY CITY FORESTRY BEFORE THE PLAN COMMISSION MEETING. STREET TREE REMOVALS REQUIRE APPROVAL 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 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.
7. ADDITIONAL STREET TREES ARE NEEDED FOR THIS PROJECT. TREE PLANTING SPECIFICATIONS CAN BE FOUND IN SECTION 209 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (WEBSITE: HTTPS://WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS.CFM) – ALL STREET TREE PLANTING LOCATIONS AND TREE SPECIES WITHIN THE RIGHT OF WAY SHALL BE DETERMINED BY CITY FORESTRY. A LANDSCAPE PLAN AND STREET TREE PLANTING PLAN SHALL BE SUBMITTED IN PDF FORMAT TO CITY FORESTRY FOR APPROVAL OF PLANTING LOCATIONS WITHIN THE RIGHT OF WAY AND TREE SPECIES. ALL AVAILABLE STREET TREE PLANTING LOCATIONS SHALL BE PLANTED WITHIN THE PROJECT BOUNDARIES.
8. 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.

LEGEND

- PROPERTY LINE
- RIGHT–OF–WAY
- EASEMENT LINE
- BUILDING OUTLINE
- BUILDING OVERHANG
- EDGE OF PAVEMENT
- CURB AND GUTTER
- ASPHALT PAVEMENT
- HEAVY DUTY ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- SANITARY SEWER
- WATERMAIN
- STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING STORM SEWER
- RETAINING WALL
- RAILING
- FENCE
- LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
- ADA PARKING SIGN
- BIKE RACK
- LANDSCAPE EDGING
- SEED MIX – LOW MOW FESCUE
- SOD
- DECORATIVE STONE MULCH

PUBLIC IMPROVEMENTS NOTES

1. ALL PROPOSED IMPROVEMENTS WITHIN THE PUBLIC RIGHT–OF–WAY OR CONNECTIONS TO CITY OWNED UTILITIES SHALL BE COMPLETED PER THE CITY ISSUED IMPROVEMENTS PLAN (CONTRACT NO. XXXX, PROJECT NO. XXXX)

DIGGERS HOTLINE
Toll Free (800) 242-8511

JSD
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jsdinc.com
MILWAUKEE REGIONAL OFFICE
W238 N1610 BUSSE ROAD, SUITE 100
WAUKESHA, WISCONSIN 53188
P. 262.513.0666

CLIENT:
NEW LAND ENTERPRISES

CLIENT ADDRESS:
1840 N. FARWELL AVENUE
MILWAUKEE, WI 53202

PROJECT:
2030 PENNSYLVANIA AVE.

PROJECT LOCATION:
2030 PENNSYLVANIA AVENUE
MADISON, DANE COUNTY
WISCONSIN, 53704

north

SCALE IN FEET
20' 0 20'

PLAN MODIFICATIONS:

#	Date:	Description:
1	01/05/2026	LAND USE/UDC SUBMITTAL
2		
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15		

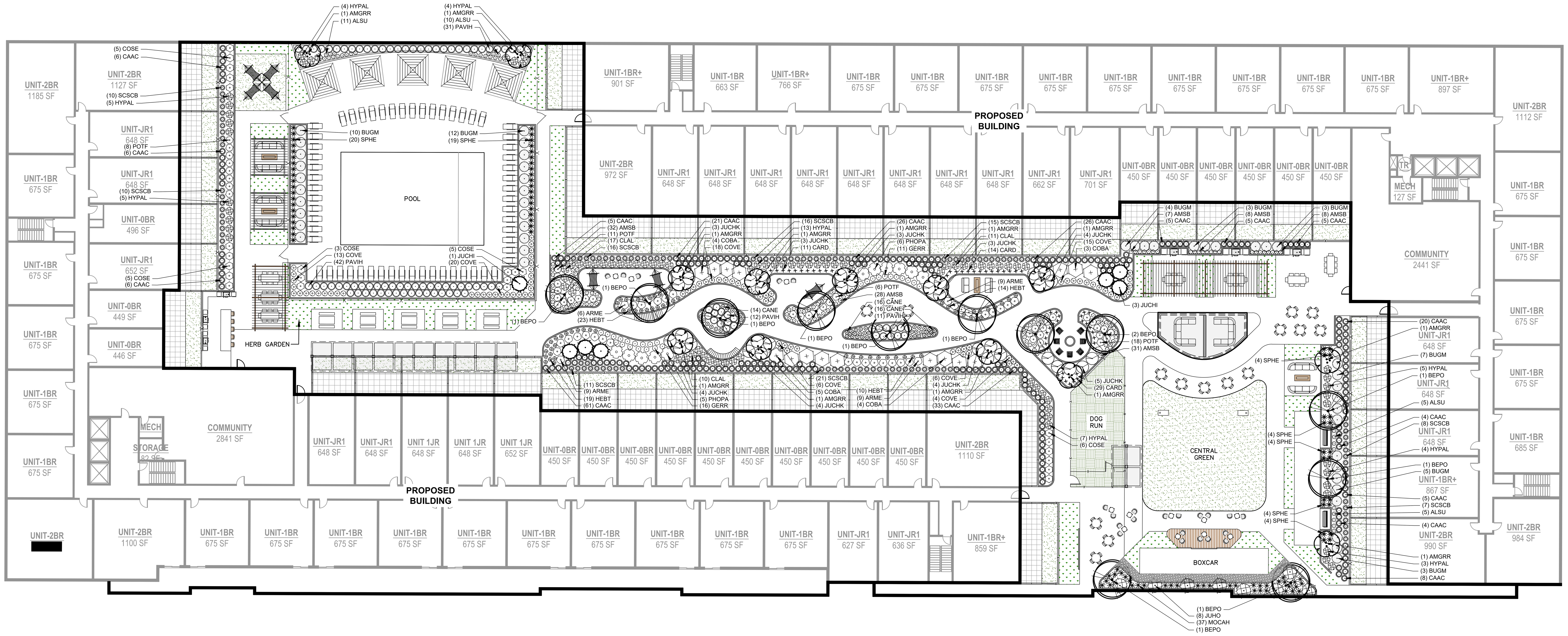
Designed By: MWS/MRA
Reviewed By: KJY
Approved By: KJY

SHEET TITLE:
LANDSCAPE PLAN - PHASE 1

SHEET NUMBER:
L100

JSD PROJECT NO: 25-16063

File: ...w projects\2025\2516063\DWG\Landscape Sheets\2516063 Landscape.dwg Layout: L100 User: michael.siniscalchi Plotted: Jan 08, 2026 - 4:41pm Xref's:



PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT	SIZE	QTY
ORNAMENTAL TREES					
	AMGRR	*Amelanchier x grandiflora `Robin Hill` / Robin Hill Apple Serviceberry*	B & B	6' Ht. (min)	19
	CACAU	*Carpinus caroliniana 'J.N. Upright' / Firespire® American Hornbeam*	B & B	4' Ht. (min)	16
	HEMIT	*Heptacodium miconioides 'SMNHMRF' / Temple of Bloom® Seven Son Flower*	B & B	8' Ht. (min)	5
OVERSTORY DECIDUOUS TREES					
	BENIH	*Betula nigra `Heritage` - Single / Heritage River Birch - Single*	B & B	2.5" Cal	5
	BEPO	*Betula populifolia `Whitespire` - Single / Whitespire Birch - Single*	B & B	2.5" Cal	12
UPRIGHT EVERGREEN SHRUB					
	JUCHI	*Juniperus chinensis `Iowa` / Iowa Juniper*	B & B	6' Ht. (min)	7
DECIDUOUS SHRUBS					
	ARME	*Aronia melanocarpa `Morton` TM / Iroquis Beauty Black Chokeberry*	#3	12" Ht. (min)	92
	CLAL	*Clethra alnifolia `Ruby Spice` / Ruby Spice Clethra*	#3	18" Ht. (min)	38
	COBA	*Cornus baileyi / Bailey`s Red-twig Dogwood*	B & B	36" Ht. (min)	16
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	POTF	*Potentilla fruticosa 'Goldfinger' / Goldfinger Bush Cinquefoil*	#3	Min. 12"-24"	61
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PERENNIALS & GRASSES					
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- EDGE OF PAVEMENT
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- ASPHALT PAVEMENT
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- FENCE
- LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
- ADA PARKING SIGN
- BIKE RACK
- LANDSCAPE EDGING
- SEDUM TRAYS
- PAVER 1
- ARTIFICIAL TURF FOR PETS
- ARTIFICIAL TURF
- DECORATIVE STONE MULCH

north

SCALE IN FEET

20' 0 20'

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WAUKESHA, WISCONSIN 53188
P. 262.513.0666

CLIENT:

NEW LAND ENTERPRISES

CLIENT ADDRESS:
1840 N. FARWELL AVENUE
MILWAUKEE, WI 53202

PROJECT:
2030 PENNSYLVANIA AVE.

PROJECT LOCATION:
2030 PENNSYLVANIA AVENUE
MADISON, DANE COUNTY
WISCONSIN, 53704

PLAN MODIFICATIONS:

#	Date:	Description:
1	01/05/2026	LAND USE/UDC SUBMITTAL
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Designed By: MWS/MRA
Reviewed By: KJY
Approved By: KJY

SHEET TITLE:
LANDSCAPE PLAN - PHASE 1 - AMENITY PODIUM

SHEET NUMBER:
L101

JSD PROJECT NO: 25-16063

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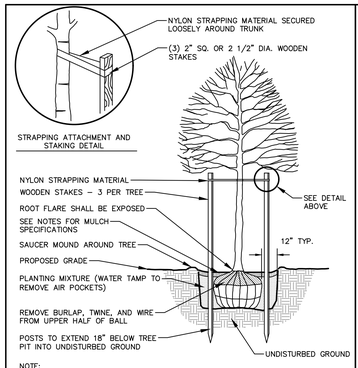
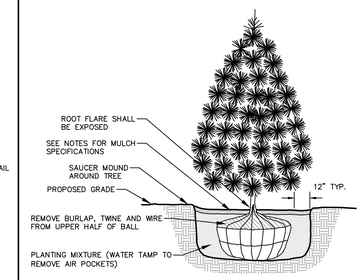


NOTE:
1. DIG HOLE NO DEEPER THAN BASE OF ROOT BALL TO FLARE. ROOT BALL TO BE SET ON UNDISTURBED SOIL UNLESS COMPACTED AGGREGATE STONE REMAINS FROM SITE EXCAVATOR. REMOVE REMAINING AGGREGATE STONE UNTIL SOIL LAYER IS REACHED.
2. REMOVE NYLON STRAPPING WITHIN 9-18 MONTHS FOLLOWING INSTALLATION

DECIDUOUS TREE PLANTING DETAIL

N.T.S.

REV. 01-04-2019



NOTE:
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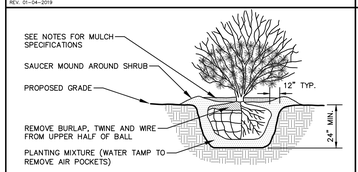
EVERGREEN TREE PLANTING DETAIL

N.T.S.

REV. 01-03-2019

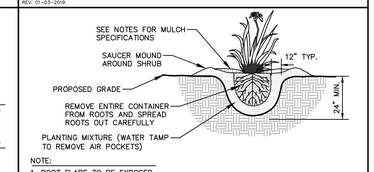


NOTE:
1. ROOT FLARE TO BE EXPOSED.

SHRUB PLANTING DETAIL

N.T.S.

REV. 01-03-2019

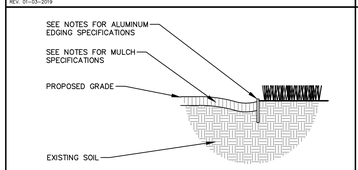


NOTE:
1. ROOT FLARE TO BE EXPOSED

PERENNIAL/ORNAMENTAL GRASS PLANTING DETAIL

N.T.S.

REV. 01-03-2019



ALUMINUM LANDSCAPE EDGING DETAIL

N.T.S.

REV. 01-03-2019

GENERAL NOTES

1. GENERAL: ALL WORK IN THE R-O-W AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH LOCAL MUNICIPAL REQUIREMENTS. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OF ALL REGULATORY AGENCIES. LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO UTILITIES. CONTRACTOR MUST CALL 1-800-242-8511 FOR UTILITY LOCATIONS AT LEAST THREE DAYS PRIOR TO DIGGING. HAND DIG AND INSTALL ALL PLANTS THAT ARE NEAR EXISTING UTILITIES. PROTECT PREVIOUSLY INSTALLED WORK OF OTHER TRADES. CONTRACTOR IS RESPONSIBLE FOR STAKING THE PLANT MATERIALS FOR REVIEW BY OWNER PRIOR TO DIGGING AND PLACEMENT AND SHALL COORDINATE ALL FINE GRADING AND RESTORATION WITH THE GRADING CONTRACTOR.

2. DELIVERY AND HANDLING: DO NOT DELIVER MORE PLANT MATERIALS THAN CAN BE PLANTED IN ONE DAY, UNLESS ADEQUATE, APPROPRIATE AND SECURE STORAGE IS PROVIDED AND APPROVED BY OWNER'S REPRESENTATIVE. AT ALL TIMES, PROTECT ALL PLANT MATERIALS FROM WIND AND DIRECT SUN. DELIVER PLANTS WITH LEGIBLE IDENTIFICATION LABELS. PROTECT PLANTS DURING DELIVERY AND DO NOT PRUNE PRIOR TO DELIVERY. ALL TREES AND SHRUBS SHALL BE PLANTED ON THE DAY OF DELIVERY; IF THIS IS NOT POSSIBLE, PROTECT THE PLANT MATERIALS NOT PLANTED BY STORING THEM IN A SHADED, SECURE AREA, PROTECTING THE ROOT MASS WITH WET SOIL, MULCH, HAY OR OTHER SUITABLE MEDIUM. CONTRACTOR TO KEEP ALL PLANT MATERIALS ADEQUATELY WATERED TO PREVENT ROOT DESICCATION. DO NOT REMOVE CONTAINER GROWN STOCK FROM CONTAINERS BEFORE TIME OF PLANTING. DO NOT PICK UP CONTAINER OR BALLED PLANTS BY STEM OR ROOTS. ALL PLANTS SHALL BE LIFTED AND HANDLED FROM THE BOTTOM OF THE CONTAINER OR BALL. PERFORM ACTUAL PLANTING ONLY WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE IN ACCORDANCE WITH LOCALLY ACCEPTED BEST HORTICULTURAL PRACTICES.

3. MATERIALS – PLANTS: ALL PLANTS SHALL CONFORM TO THE LATEST VERSION OF THE AMERICAN STANDARD FOR NURSERY STOCK ANSI Z60.1. PLANTS SHALL BE TRUE TO SPECIES AND VARIETY SPECIFIED AND NURSERY GROWN IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR AT LEAST 2 YEARS. PLANTS SHALL BE FRESHLY DUG (DURING THE MOST RECENT FAVORABLE HARVEST SEASON). PLANTS SHALL BE SO TRAINED IN DEVELOPMENT AND APPEARANCE AS TO BE UNQUESTIONABLY SUPERIOR IN FORM, COMPACTNESS, AND SYMMETRY. PLANTS SHALL BE SOUND, HEALTHY, VIGOROUS, WELL BRANCHED AND DENSELY FOLIATED WHEN IN LEAF, AND FREE OF DISEASE AND INSECTS (ADULT EGGS, PUPAE OR LARVAE). THEY SHALL HAVE HEALTHY, WELL-DEVELOPED ROOT SYSTEMS AND SHALL BE FREE FROM PHYSICAL DAMAGE OR OTHER CONDITIONS THAT WOULD PREVENT THRIVING GROWTH OR PREMATURE MORTALITY. PLANTS SHALL BE OF THE HIGHEST QUALITY, POSSESS TYPICAL GROWTH HABITS AND FORM FOR THEIR SPECIES AND BE FREE OF INJURY. PARKWAY TREES AND PARKING LOT TREES SHALL HAVE A MINIMUM BRANCHING HEIGHT OF SIX (6) FEET ABOVE THE GROUND TO ALLOW ADEQUATE VISUAL AND PHYSICAL CLEARANCE.

4. PRUNING: THE CONTRACTOR SHALL PRUNE ALL TREES AND REPAIR ANY INJURIES THAT OCCURRED DURING THE PLANTING PROCESS. DOUBLE LEADERS, DEAD BRANCHES, AND LIMBS DAMAGED OR BROKEN DURING THE PLANTING PROCESS, SHALL BE PRUNED. THIS SHALL BE THE ONLY PRUNING ALLOWED AT PLANTING. PRUNING SHALL CONFORM TO THE LATEST VERSION OF THE AMERICAN STANDARD FOR TREE CARE OPERATIONS, ANSI A300. PRUNE TREES IN ACCORDANCE WITH NAA GUIDELINES. DO NOT TOP TREES. PRUNE SHRUBS ACCORDING TO STANDARD HORTICULTURAL PRACTICES. ON CUTS OVER 3/4" IN DIAMETER AND BRUISES OR SCARS ON BARK, TRACE THE INJURED CAMBIUM LAYER BACK TO LIVING TISSUE AND REMOVE. SMOOTH AND SHAPE WOUNDS SO AS NOT TO RETAIN WATER. TREAT THE AREA WITH AN APPROVED INCONSPICUOUS LATEX BASED ANTISEPTIC TREE PAINT, IF PRUNING OCCURS "IN SEASON". DO NOT PRUNE ANY OAK TREES DURING THE MONTHS FROM APRIL TO OCTOBER.

5. CLEANUP: THE WORK AREA SHALL BE KEPT SAFE AND NEAT AT ALL TIMES. DISPOSED OF EXCESS SOIL. REMOVE ALL CUTTINGS AND WASTE MATERIALS. SOIL AND BRANCHES. BIND AND WRAP THESE MATERIALS, ANY REJECTED PLANTS, AND ANY OTHER DEBRIS RESULTING FROM ALL PLANTING TASKS AND PROMPTLY CLEAN UP AND REMOVE FROM THE PROJECT SITE. UNDER NO CIRCUMSTANCES SHALL THE ACCUMULATION OF SOIL, BRANCHES OR OTHER DEBRIS BE ALLOWED UPON A PUBLIC PROPERTY IN SUCH A MANNER AS TO RESULT IN A PUBLIC SAFETY HAZARD OR DAMAGE. LIKEWISE, UNDER NO CIRCUMSTANCES SHALL ANY DEBRIS OR INCIDENTAL MATERIALS BE ALLOWED UPON ADJACENT PRIVATE PROPERTY.

6. ANY SUBSTITUTIONS IN PLANT TYPE, LOCATION, OR SIZE SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

7. CONTRACTOR TO VERIFY PLANT MATERIAL QUANTITIES AND SQUARE FOOTAGES. QUANTITIES SHOWN ON PLAN TAKE PRECEDENCE OVER THOSE ON SCHEDULE.

LANDSCAPE MATERIAL NOTES

1. MATERIALS – PLANTING MIXTURE: ALL HOLES EXCAVATED FOR TREES, SHRUBS, PERENNIALS AND ORNAMENTAL GRASSES SHALL BE BACKFILLED WITH TWO (2) PARTS TOPSOIL, ONE (1) PART SAND AND ONE (1) PART COMPOST. SOIL MIXTURE SHALL BE WELL BLENDED PRIOR TO INSTALLATION.

2. MATERIALS – TOPSOIL: TOPSOIL TO BE CLEAN, FRIABLE LOAM FROM A LOCAL SOURCE, FREE FROM STONES OR DEBRIS OVER 3/4" IN DIAMETER, AND FREE FROM TOXINS OR OTHER DELETERIOUS MATERIALS. TOPSOIL SHALL HAVE A pH VALUE BETWEEN 6 AND 7. TOPSOIL AND PLANTING SOIL SHALL BE TESTED TO ENSURE CONFORMANCE WITH THESE SPECIFICATIONS AND SHALL BE AMENDED TO MEET THESE SPECIFICATIONS. PROVIDE TEST RESULTS TO OWNER'S REPRESENTATIVE PRIOR TO PLACEMENT. DO NOT PLACE FROZEN OR MUDDY TOPSOIL. APPLY SOIL AMENDMENTS TO ALL LANDSCAPE AREAS PER SOIL TEST.

3. MATERIALS – SHREDDED HARDWOOD BARK MULCH: ALL PLANTING AREAS LABELED ON PLAN SHALL RECEIVE CERTIFIED WEED FREE SHREDDED HARDWOOD BARK MULCH INSTALLED TO A MINIMUM AND CONSISTENT DEPTH OF 3-INCHES. SHREDDED HARDWOOD BARK MULCH SIZE & COLOR TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. FERTILIZER SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, COUNTY AND STATE REQUIREMENTS. SHREDDED HARDWOOD BARK MULCH AREAS SHALL NOT RECEIVE WOVEN WEED BARRIER FABRIC.

4. MATERIALS – STONE MULCH: ALL PLANTING AREAS LABELED ON PLAN SHALL RECEIVE DECORATIVE STONE MULCH SPREAD TO A MINIMUM AND CONSISTENT DEPTH OF 3-INCHES. DECORATIVE STONE MULCH TYPE, SIZE & COLOR TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. FERTILIZER SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, COUNTY AND STATE REQUIREMENTS. STONE MULCH AREAS SHALL RECEIVE WOVEN WEED BARRIER FABRIC. NO PLASTIC/IMPERVIOUS BARRIERS WILL BE PERMITTED. EXAMPLE: BLACK VISQUEEN.

5. MATERIALS – TREE & SHRUB RINGS: ALL TREES AND/OR SHRUBS PLANTED IN SEEDED LAWN AREAS TO BE INSTALLED WITH A MINIMUM 4' DIAMETER SHREDDED HARDWOOD BARK MULCH TREE RING SPREAD TO A CONSISTENT DEPTH OF 3-INCHES. ALL TREE RINGS SHOULD BE INSTALLED WITH A 5" DEPTH SHOVEL CUT EDGE, ANGLED 45 DEGREES INTO SOIL AT A 5' DIAMETER ABOUT THE CENTER OF THE TREE PLANTING. A PRE-EMERGENT GRANULAR HERBICIDE WEED-PREVENTER SHOULD BE MIXED WITH MULCH USED TO INSTALL TREE RING AS WELL AS TOPICALLY APPLIED TO COMPLETED INSTALLATION OF TREE RING.

6. MATERIALS – ALUMINUM EDGING: EDGING SHALL BE 1/8" X 4", ALUMINUM EDGING, MILL FINISH. OWNER'S REPRESENTATIVE SHALL APPROVE PRODUCT SPECIFICATION PROVIDED BY LANDSCAPE CONTRACTOR.

7. MATERIALS – TREE PROTECTION: ALL TREES TO BE INSTALLED WITH LDPE TREE GUARDS AS MANUFACTURED BY A.M. LEONARD HORTICULTURAL TOOL & SUPPLY CO., OR APPROVED EQUAL.

8. MATERIALS – (ALTERNATE 1): TREE WATERING BAGS: ALL TREES TO BE INSTALLED WITH ONE (1) WATER BAG. PRODUCT TO BE "TREE GATOR ORIGINAL SLOW RELEASE WATERING BAG," PRODUCT NO. 98183-R OR APPROVED EQUAL. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

9. MATERIALS – (ALTERNATE 2): ROOT WATERING SYSTEM: ALL TREES TO BE INSTALLED WITH TWO (2) DEEP TREE ROOT WATER AERATION/WATERING TUBES. PRODUCT TO BE "ROOTWELL PRO-318, OR APPROVED EQUAL. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CARE SHALL BE TAKEN TO AVOID DAMAGE TO TREE ROOT BALL.

SEEDING NOTES

1. MATERIALS – TURFGRASS SEED: DISTURBED LAWN AREAS LABELED ON PLAN AS SUCH, SHALL RECEIVE 6" OF TOPSOIL AND EARTH CARPET'S "MADISON PARKS" GRASS SEED, OR EQUIVALENT AS APPROVED BY THE OWNER'S REPRESENTATIVE, INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. IN ADDITION TO TURFGRASS SEED, ANNUAL RYE SHALL BE APPLIED TO ALL DISTURBED AREAS AT A RATE OF 1 1/2 LBS PER 1000 SQUARE FEET. FERTILIZE AND MULCH PER MANUFACTURER'S RECOMMENDATIONS. MULCH SHALL BE CERTIFIED NOXIOUS WEED SEED-FREE.

CONTRACTOR AND OWNER RESPONSIBILITY NOTES

1. GUARANTEE: THE CONTRACTOR SHALL GUARANTEE ALL PLANTS THROUGH ONE (1) YEAR AFTER ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. PLANTS SHALL BE ALIVE AND IN HEALTHY AND FLOURISHING CONDITION AT THE END OF THE GUARANTEE PERIOD. THE CONTRACTOR SHALL REPLACE (AT NO COST TO OWNER) ANY PLANTS THAT ARE DEAD OR NOT IN A VIGOROUS THRIVING CONDITION. REPLACEMENT PLANTS SHALL BE OF THE SAME KIND AND SIZE AS ORIGINALLY SPECIFIED UNLESS OTHERWISE DIRECTED BY OWNER'S REPRESENTATIVE. RESTORE BEDS AS NECESSARY FOLLOWING PLANT REPLACEMENT, INCLUDING BUT NOT LIMITED TO BEDDING, EDGING, MULCH, ETC. REPLACE PLANTS DAMAGED AT TIME OF PLANTING. REPAIR AREAS DISTURBED IN ANY WAY DURING PLANT REPLACEMENT AT NO COST TO OWNER. CONTRACTOR SHALL PROVIDE A ONE (1)-YEAR STRAIGHTENING GUARANTEE FOR ALL TREES.

2. CONTRACTOR IS RESPONSIBLE FOR STAKING THE PLANT MATERIALS FOR REVIEW BY OWNER'S REPRESENTATIVE PRIOR TO DIGGING AND PLACEMENT AND SHALL COORDINATE ALL FINE GRADING AND RESTORATION WITH THE GRADING CONTRACTOR.

3. MAINTENANCE: (CONTRACTOR) FOR ALL PLANTINGS, SEEDED AND/OR SODDED LAWN AREAS: THE CONTRACTOR SHALL MAINTAIN ALL PLANTINGS AND LAWN AREAS FOR A MINIMUM TIME PERIOD OF 60 DAYS, UNTIL FINAL ACCEPTANCE BY OWNER'S REPRESENTATIVE. THE CONTRACTOR IS RESPONSIBLE FOR ADEQUATELY WATERING PLANTS AND LAWN/TURFGRASS DURING THIS 60 DAY ESTABLISHMENT PERIOD. CONTRACTOR IS RESPONSIBLE FOR THE ESTABLISHMENT OF HEALTHY VIGOROUS PLANT MATERIALS AND LAWN/TURFGRASS GROWTH. CONTRACTOR IS ALSO RESPONSIBLE FOR ANY PRUNING OF PLANT MATERIALS, AND SHAPING AND/OR REPLACEMENT OR SUPPLEMENT OF DEFICIENT SHREDDED HARDWOOD BARK MULCH DURING THIS PERIOD. LONG TERM PLANT MATERIALS AND LAWN/TURFGRASS MAINTENANCE AND ANY PROGRAM FOR SUCH IS THE RESPONSIBILITY OF THE OWNER. ALL PLANTINGS AND LAWN/TURFGRASS AREAS SHALL BE MAINTAINED IN A MANICURED CONDITION UNTIL THE TIME WHEN THE OWNER'S ACCEPTANCE IS GIVEN.

4. MAINTENANCE: (OWNER) THE OWNER IS RESPONSIBLE FOR THE CONTINUED MAINTENANCE, REPAIR AND REPLACEMENT OF ALL LANDSCAPING MATERIALS AND WEED BARRIER FABRIC AS NECESSARY FOLLOWING THE ONE (1) YEAR CONTRACTOR GUARANTEE PERIOD.

DIGGERS HOTLINE
Toll Free (800) 242-8511

JSD
CREATE THE VISION TELL THE STORY
jsdinc.com
MILWAUKEE REGIONAL OFFICE
W238 N1610 BUSSE ROAD, SUITE 100
WAUKESHA, WISCONSIN 53188
P. 262.513.0666

CLIENT:
NEW LAND ENTERPRISES

CLIENT ADDRESS:
1840 N. FARWELL AVENUE
MILWAUKEE, WI 53202

PROJECT:
2030 PENNSYLVANIA AVE.

PROJECT LOCATION:
2030 PENNSYLVANIA AVENUE
MADISON, DANE COUNTY
WISCONSIN, 53704

PLAN MODIFICATIONS:

#	Date:	Description:
1	01/05/2026	LAND USE/UDC SUBMITTAL
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Designed By: MWS/MRA
Reviewed By: KJY
Approved By: KJY

SHEET TITLE:
LANDSCAPE DETAILS & NOTES

SHEET NUMBER:
L200

JSD PROJECT NO: 25-16063

File: \\JSDNC\new projects\2025\25160063\DWG\Landscape Sheets\25160063 Landscape.dwg Layout: L200 User: michael.sinkeldam Plotted: Jan 08, 2026 - 4:41pm Xref's:

2030 PENNSYLVANIA

2030 PENNSYLVANIA AVENUE,
MADISON, WI 53704

UDC FINAL - JANUARY 5, 2026

KORB

OWNER	ARCHITECT	STRUCTURAL ENGINEER:	CIVIL ENGINEER	LANDSCAPE ARCHITECT:
NEW LAND ENTERPRISES 1840 N. FARWELL AVE. MILWAUKEE, WI 53202	KORB ARCHITECTURE 648 N. PLANKINTON AVE, SUITE 240 MILWAUKEE, WI 53203		JSD 507 W VERONA AVE, SUITE 500 VERONA, WI 53593	JSD 507 W VERONA AVE, SUITE 500 VERONA, WI 53593
CONTACT: JOEY WISNIEWSKI	CONTACT: SIMON MANCE, AIA	CONTACT:	CONTACT: CHRIS JACKSON PE, PLS	CONTACT: KEVIN YESKA, PLA, ASLA

DRAWING INDEX

PROJECT
2030 PENNSYLVANIA
2030 PENNSYLVANIA AVENUE,
MADISON, WI 53704

OWNER
NEW LAND ENTERPRISES
1840 N. FARWELL AVE.
MILWAUKEE, WI 53202

ARCHITECT
KORB ARCHITECTURE
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MILWAUKEE, WI 53203

STRUCTURAL ENGINEER

CIVIL ENGINEER
JSD
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VERONA, WI 53593

LANDSCAPE ARCHITECT
JSD
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VERONA, WI 53593

DATE	REVISION

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PROJ. NO.	25001-09
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PHASE:	UDC FINAL
DATE:	JANUARY 5, 2026

COVER SHEET

G000

KORB

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PROJECT
2030 PENNSYLVANIA
2030 PENNSYLVANIA AVENUE,
MADISON, WI 53704

OWNER
NEW LAND ENTERPRISES
1840 N. FARWELL AVE.
MILWAUKEE, WI 53202

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VERONA, WI 53593

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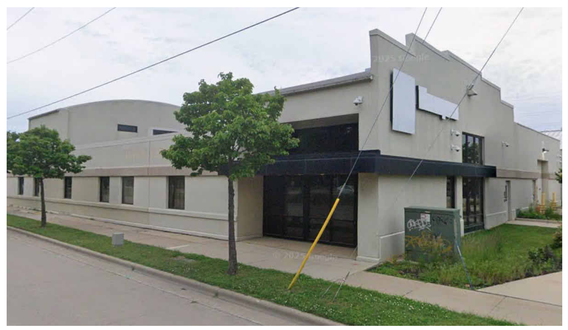
DATE:	JANUARY 5, 2026

SITE LOCATION

G001

2030-2098 PENNSYLVANIA

2030-2098 PENNSYLVANIA



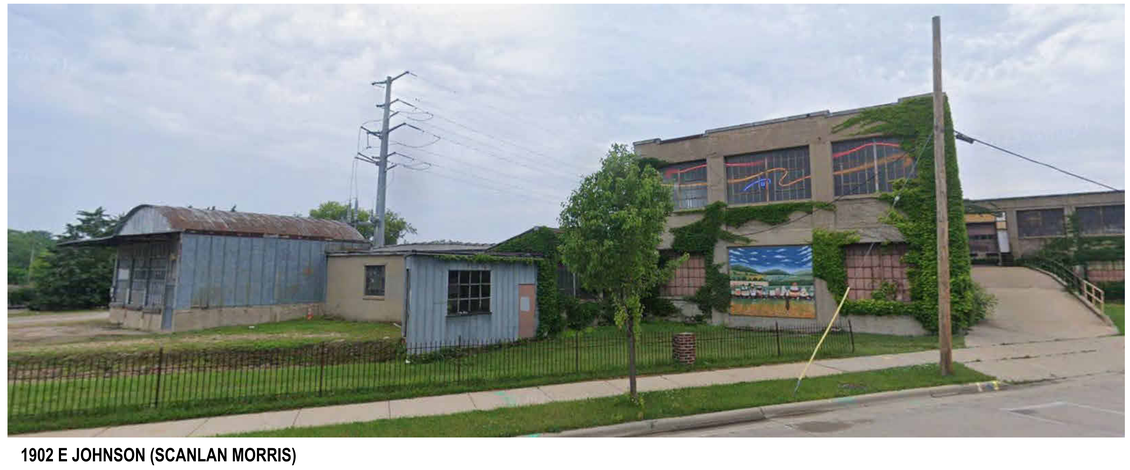
2030-2098 PENNSYLVANIA

2010 PENNSYLVANIA

1902-2010 PENNSYLVANIA (WAREHOUSE BLDG)

1902-2010 PENNSYLVANIA (WAREHOUSE BLDG)

1902 E JOHNSON (SCANLAN MORRIS)



1902 E JOHNSON (SCANLAN MORRIS)

KORB

PROJECT
2030 PENNSYLVANIA
2030 PENNSYLVANIA AVENUE,
MADISON, WI 53704

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EXISTING SITE BUILDINGS

G002

NEW CONSTRUCTION

DEMO

EXISTING BUILDING

OPEN SPACE

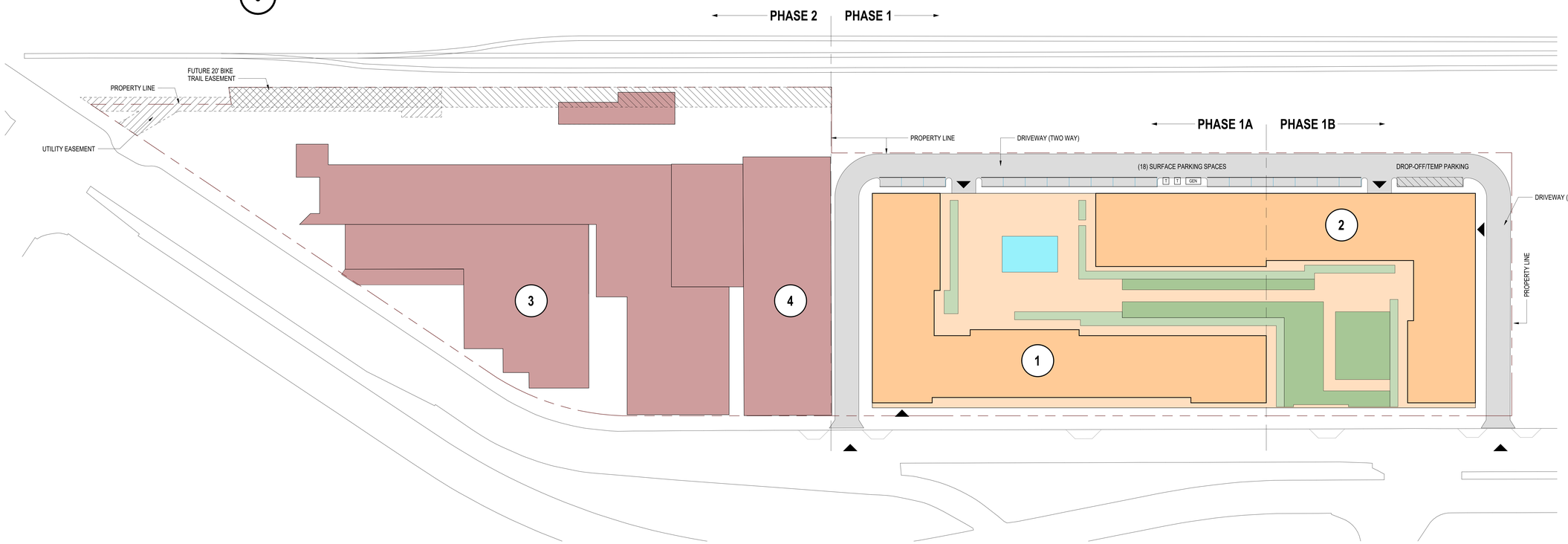
1 PHASE 1A MULTIFAMILY BUILDING

2 PHASE 1B MULTIFAMILY BUILDING

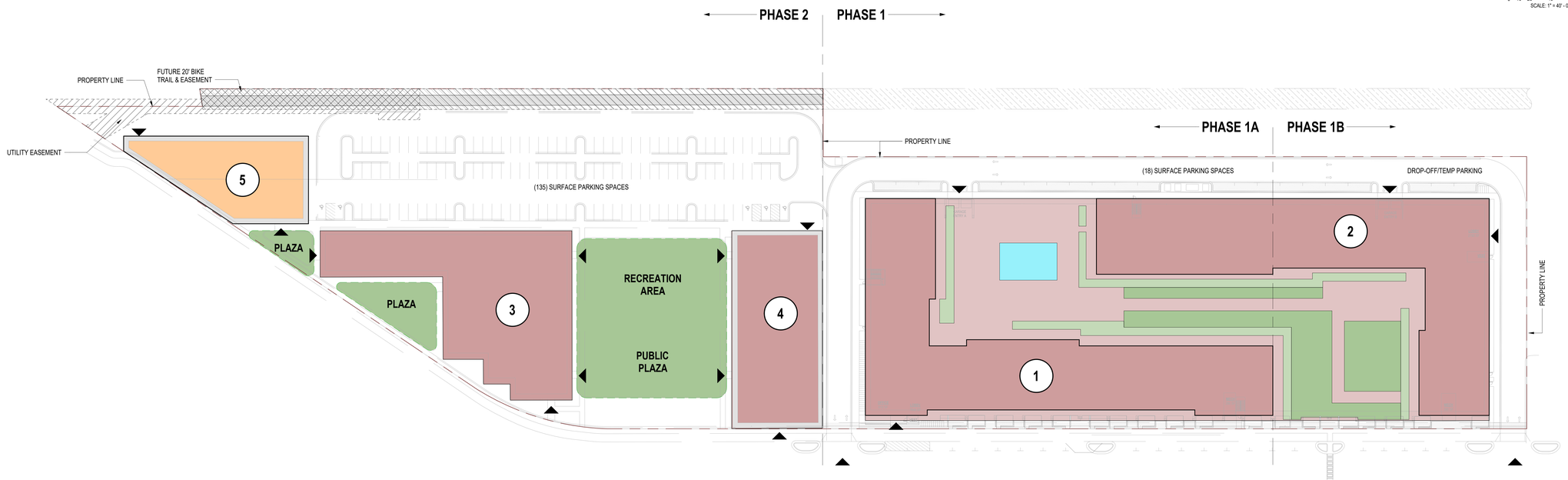
3 1902 E JOHNSON - SCANLAN MORRIS BUILDING

4 2010 PENNSYLVANIA - BOW TRUSS BLDG

5 PROPOSED CORNER STATEMENT BUILDING



2 PHASE PLAN A - MULTIFAMILY NEW CONSTRUCTION
G005 1" = 40'-0"



1 PHASE PLAN B - OPTION 1
G005 1" = 40'-0"

0 10 20 40 80
SCALE: 1" = 40' - 0"

KORB

PROJECT
2030 PENNSYLVANIA
2030 PENNSYLVANIA AVENUE,
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ARCHITECTURAL SITE PLAN - PHASING OPTIONS A & B

G005

NEW CONSTRUCTION

DEMO

EXISTING BUILDING

OPEN SPACE

1 PHASE 1A MULTIFAMILY BUILDING

2 PHASE 1B MULTIFAMILY BUILDING

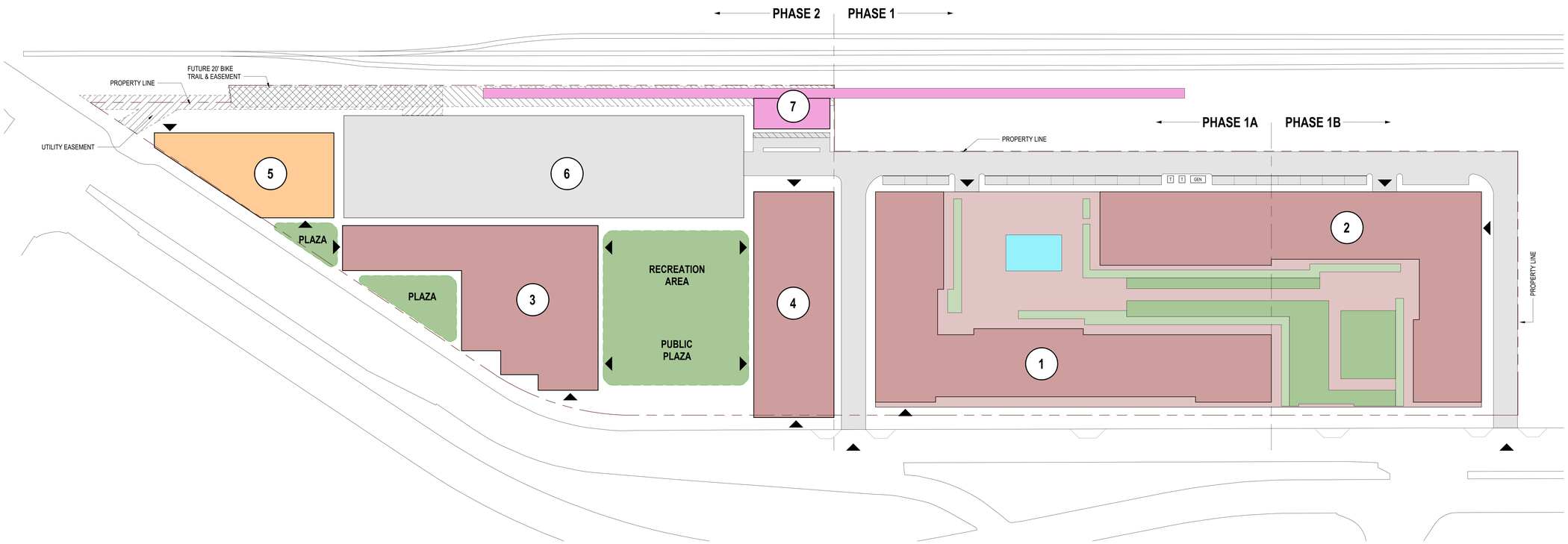
3 1902 E JOHNSON - SCANLAN MORRIS BUILDING

4 2010 PENNSYLVANIA - BOW TRUSS BLDG

5 PROPOSED CORNER STATEMENT BUILDING

6 FUTURE VERTICAL PARKING STRUCTURE WITH POTENTIAL DEVELOPMENT ABOVE

7 FUTURE RAIL TRANSIT HUB



TRUE N

1 PHASE PLAN C - OPTION 2
G006 1" = 40'-0"

0 10 20 40 80
SCALE: 1" = 40' - 0"

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PROJECT
2030 PENNSYLVANIA
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ARCHITECTURAL SITE PLAN - PHASING OPTION C

G006

KORB

NE AERIAL PERSPECTIVE

SE AERIAL PERSPECTIVE

PROJECT
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MADISON, WI 53704

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AXONOMETRIC RENDERINGS

G010

KORB

1 FLOOR 01
1" = 20'-0"

Phase 1A	
Studio	69
1JBD	62
1BR	81
1BR+Den	1
2BR	43
Subtotal	256

Phase 1B	
Studio	39
1JBD	65
1BR	80
1BR+Den	21
2BR	32
Subtotal	237

Total Residential	
Studio	108
1JBD	127
1BR	161
1BR+Den	22
2BR	75
Total	493

Unit Mix	
Studio	22%
1JBD	26%
1BR	33%
1BR+Den	4%
2BR	15%
Total	100%

Parking Ratio
1.16 per unit
1.01 per bed

Bike Parking Ratio
1.01 per unit

0 5 10 20 40
SCALE: 1" = 20' - 0"

PROJECT
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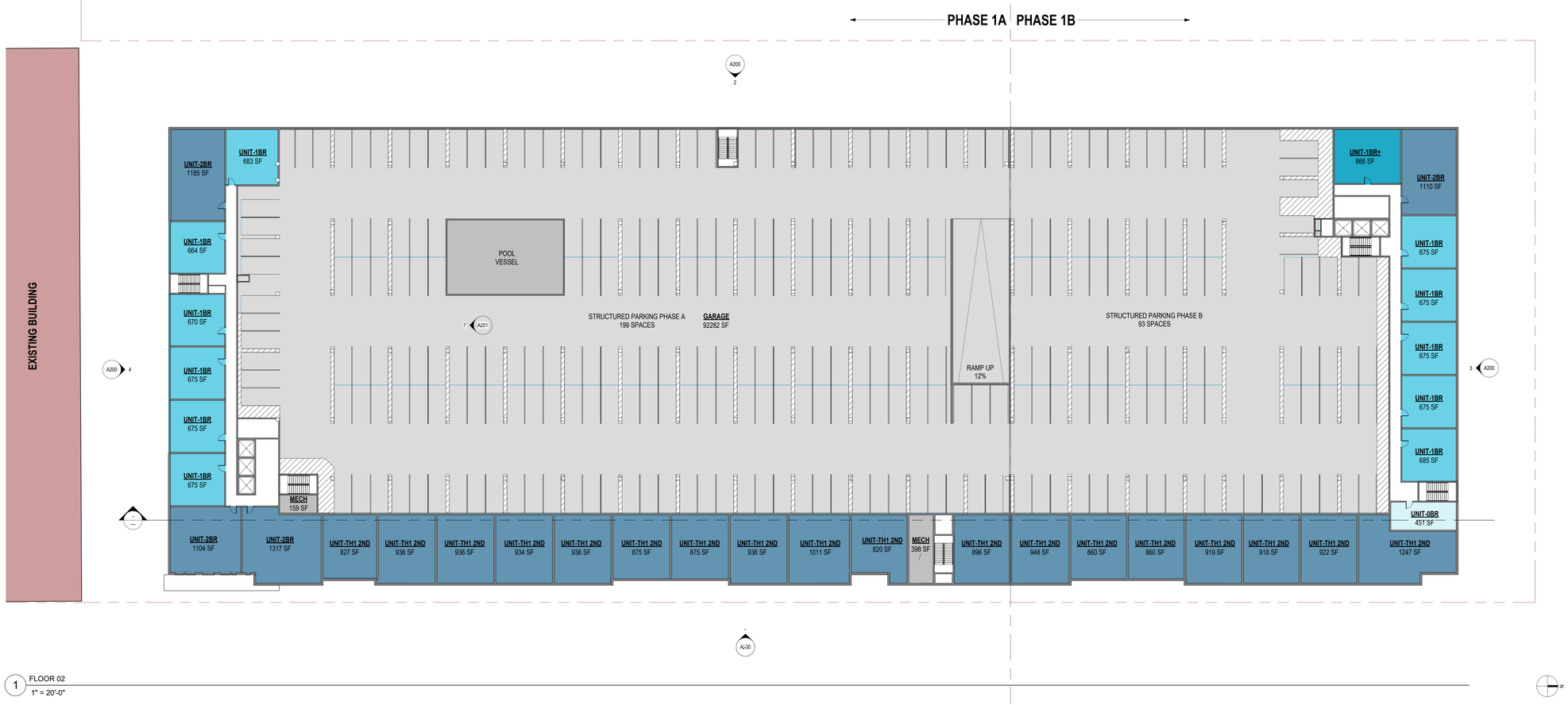
FLOOR 01 PLAN

A101

KORB



1 FLOOR 02
1" = 20'-0"

Phase 1A	
Studio	69
1JBD	62
1BR	81
1BR+Den	1
2BR	43
Subtotal	256

Phase 1B	
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1JBD	65
1BR	80
1BR+Den	21
2BR	32
Subtotal	237

Total Residential	
Studio	108
1JBD	127
1BR	161
1BR+Den	22
2BR	75
Total	493

Unit Mix	
Studio	22%
1JBD	26%
1BR	33%
1BR+Den	4%
2BR	15%
Total	100%

Parking Ratio
1.16 per unit
1.01 per bed

Bike Parking Ratio
1.01 per unit

0 5 10 20 40
SCALE: 1" = 20' - 0"

PROJECT
2030 PENNSYLVANIA
2030 PENNSYLVANIA AVENUE,
MADISON, WI 53704

OWNER
NEW LAND ENTERPRISES
1840 N. FARWELL AVE.
MILWAUKEE, WI 53202

ARCHITECT
KORB ARCHITECTURE
648 N. PLANKINTON AVE, SUITE 240
MILWAUKEE, WI 53203

STRUCTURAL ENGINEER

CIVIL ENGINEER
JSD
507 W VERONA AVE, SUITE 500
VERONA, WI 53593

LANDSCAPE ARCHITECT
JSD
507 W VERONA AVE, SUITE 500
VERONA, WI 53593

DATE	REVISION

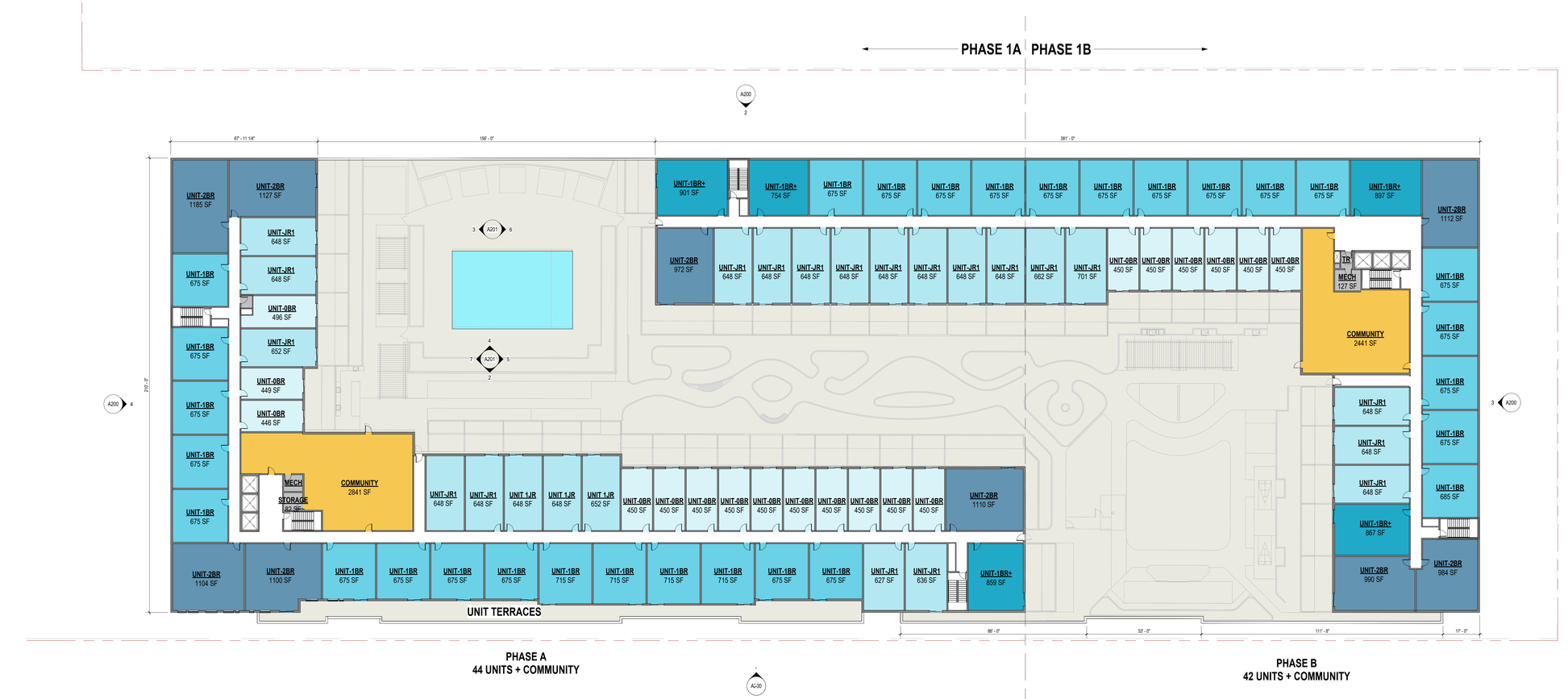
DESIGN REVIEW - NOT FOR CONSTRUCTION

PROJ. NO.	25001-09
SCALE:	1" = 20'-0"
PHASE:	UDC FINAL
DATE:	JANUARY 5, 2026

FLOOR 02 PLAN

A102

KORB



1 FLOOR 03
1" = 20'-0"

Phase 1A	
Studio	69
1JBD	62
1BR	81
1BR+Den	1
2BR	43
Subtotal	256

Phase 1B	
Studio	39
1JBD	65
1BR	80
1BR+Den	21
2BR	32
Subtotal	237

Total Residential	
Studio	108
1JBD	127
1BR	161
1BR+Den	22
2BR	75
Total	493

Unit Mix	
Studio	22%
1JBD	26%
1BR	33%
1BR+Den	4%
2BR	15%
Total	100%

Parking Ratio
1.16 per unit
1.01 per bed

Bike Parking Ratio
1.01 per unit

0 5 10 20 40
SCALE: 1" = 20' - 0"

PROJECT
2030 PENNSYLVANIA
2030 PENNSYLVANIA AVENUE,
MADISON, WI 53704

OWNER
NEW LAND ENTERPRISES
1840 N. FARWELL AVE.
MILWAUKEE, WI 53202

ARCHITECT
KORB ARCHITECTURE
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MILWAUKEE, WI 53203

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CIVIL ENGINEER
JSD
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VERONA, WI 53593

LANDSCAPE ARCHITECT
JSD
507 W VERONA AVE, SUITE 500
VERONA, WI 53593

DATE	REVISION

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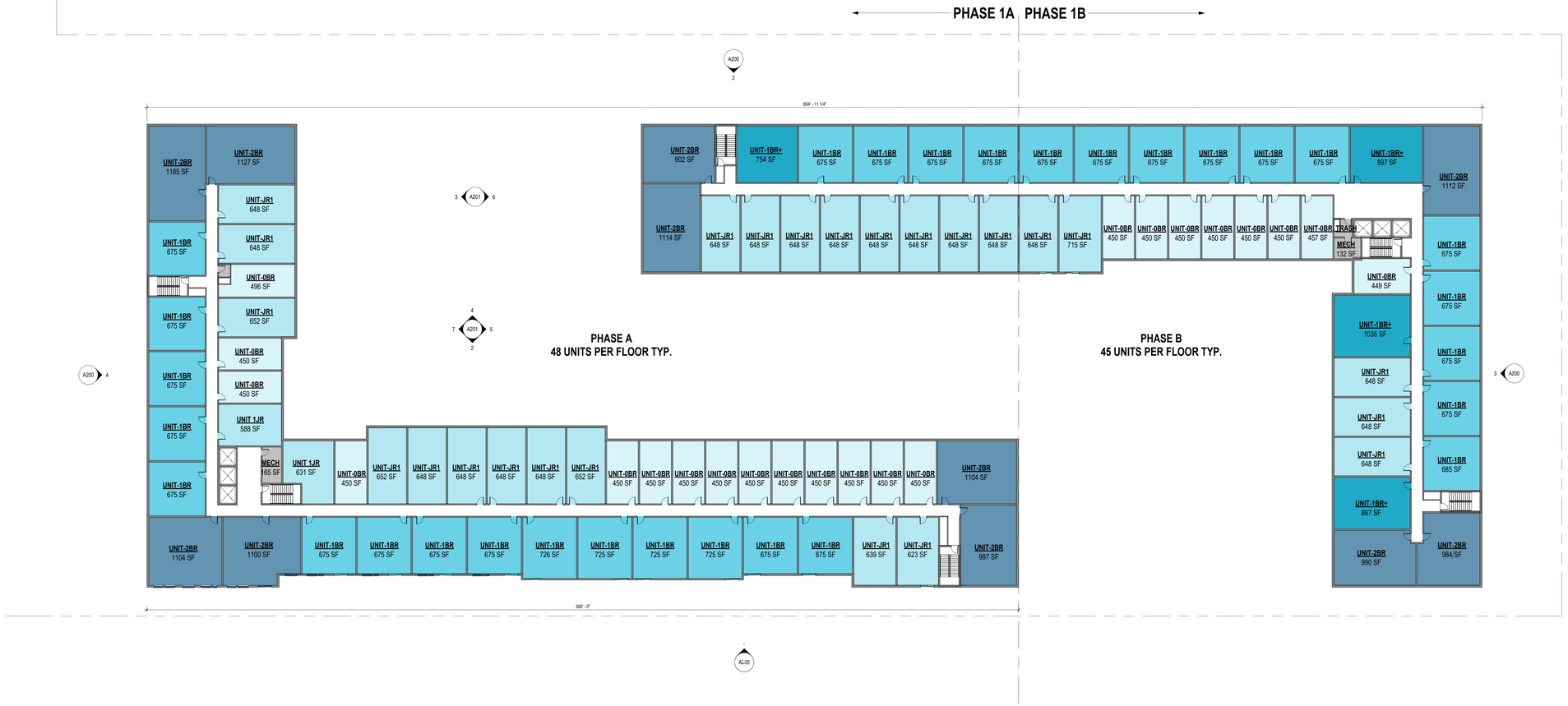
PROJ. NO.	25001-09
SCALE:	1" = 20'-0"
PHASE:	UDC FINAL
DATE:	JANUARY 5, 2026

FLOOR 03 PLAN

A103

KORB



1 FLOOR 04
1" = 20'-0"

Phase 1A	
Studio	69
1JBD	62
1BR	81
1BR+Den	1
2BR	43
Subtotal	256

Phase 1B	
Studio	39
1JBD	65
1BR	80
1BR+Den	21
2BR	32
Subtotal	237

Total Residential	
Studio	108
1JBD	127
1BR	161
1BR+Den	22
2BR	75
Total	493

Unit Mix	
Studio	22%
1JBD	26%
1BR	33%
1BR+Den	4%
2BR	15%
Total	100%

Parking Ratio
1.16 per unit
1.01 per bed

Bike Parking Ratio
1.01 per unit

0 5 10 20 40
SCALE: 1" = 20' - 0"

PROJECT
2030 PENNSYLVANIA
2030 PENNSYLVANIA AVENUE,
MADISON, WI 53704

OWNER
NEW LAND ENTERPRISES
1840 N. FARWELL AVE.
MILWAUKEE, WI 53202

ARCHITECT
KORB ARCHITECTURE
646 N. PLANKINTON AVE, SUITE 240
MILWAUKEE, WI 53203

STRUCTURAL ENGINEER

CIVIL ENGINEER
JSD
507 W VERONA AVE, SUITE 500
VERONA, WI 53593

LANDSCAPE ARCHITECT
JSD
507 W VERONA AVE, SUITE 500
VERONA, WI 53593

DATE	REVISION

DESIGN REVIEW - NOT FOR CONSTRUCTION

PROJ. NO.	25001-09
SCALE:	1" = 20'-0"
PHASE:	UDC FINAL
DATE:	JANUARY 5, 2026

FLOOR 04-07 PLAN

A104

KORB

1 INTERSTATE BRICK - SMOKEY MOUNTAIN

2 INTERSTATE BRICK - ARCTIC WHITE

3 DARK BRONZE ALUMINUM

4 DARK COPPER ANODIZED ALUMINUM PATTERNED PANEL

5 JAMES HARDIE BOARD - RICH ESPRESSO

JAMES HARDIE BOARD - SPICY MUSTARD

JAMES HARDIE BOARD - CYPRESS YELLOW

JAMES HARDIE BOARD - ELEGANT RED

JAMES HARDIE BOARD - BAKED CLAY

JAMES HARDIE BOARD - BRUSHWORK RED

6

4 SOUTH ELEVATION
A200 1/16" = 1'-0"

3 NORTH ELEVATION
A200 1/16" = 1'-0"

2 WEST ELEVATION
A200 1/16" = 1'-0"

1 EAST ELEVATION (PENNSYLVANIA AVE.)
A200 1/16" = 1'-0"

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

PROJECT
2030 PENNSYLVANIA
2030 PENNSYLVANIA AVENUE,
MADISON, WI 53704

OWNER
NEW LAND ENTERPRISES
1840 N. FARWELL AVE.
MILWAUKEE, WI 53202

ARCHITECT
KORB ARCHITECTURE
648 N. PLANKINTON AVE, SUITE 240
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STRUCTURAL ENGINEER

CIVIL ENGINEER
JSD
507 W VERONA AVE, SUITE 500
VERONA, WI 53593

LANDSCAPE ARCHITECT
JSD
507 W VERONA AVE, SUITE 500
VERONA, WI 53593

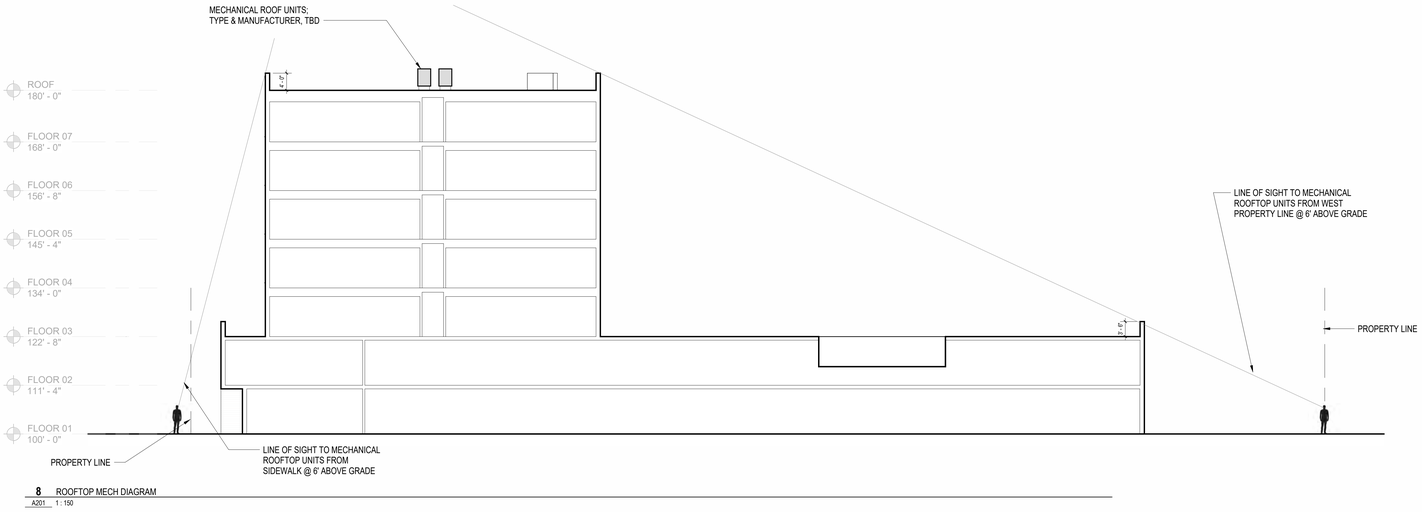
DATE	REVISION

DESIGN REVIEW - NOT FOR CONSTRUCTION

PROJ. NO.	25001-09
SCALE:	As indicated
PHASE:	UDC FINAL
DATE:	JANUARY 5, 2026

BUILDING ELEVATIONS

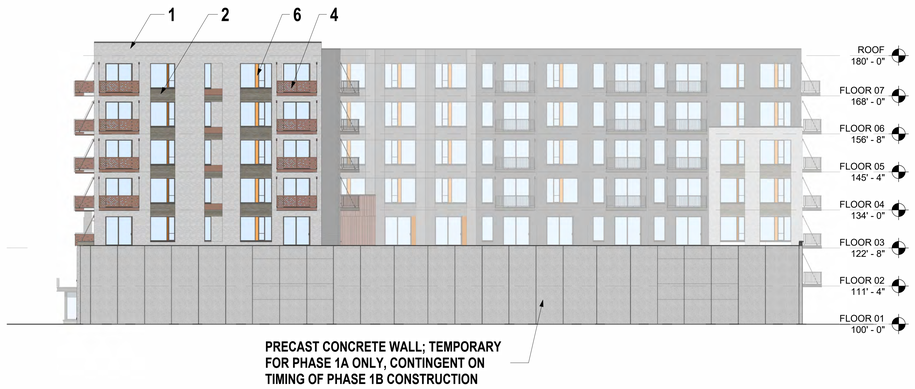
A200



8 ROOFTOP MECH DIAGRAM
A201 1 : 150

1 INTERSTATE BRICK - SMOKEY MOUNTAIN
2 INTERSTATE BRICK - ARCTIC WHITE
3 DARK BRONZE ALUMINUM
4 DARK COPPER ANODIZED ALUMINUM PATTERNED PANEL

5 JAMES HARDIE BOARD - RICH ESPRESSO
JAMES HARDIE BOARD - SPICY MUSTARD
JAMES HARDIE BOARD - CYPRESS YELLOW
JAMES HARDIE BOARD - ELEGANT RED
JAMES HARDIE BOARD - BAKED CLAY
JAMES HARDIE BOARD - BRUSHWORK RED
6



7 NORTH ELEVATION - PHASE 1A
A201 1/16" = 1'-0"

6 NORTH COURTYARD ELEVATION 2
A201 1/16" = 1'-0"

5 NORTH COURTYARD ELEVATION
A201 1/16" = 1'-0"

4 WEST COURTYARD ELEVATION
A201 1/16" = 1'-0"

3 SOUTH COURTYARD ELEVATION 2
A201 1/16" = 1'-0"

2 EAST COURTYARD ELEVATION
A201 1/16" = 1'-0"

1 SOUTH COURTYARD ELEVATION
A201 1/16" = 1'-0"

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

KORB

PROJECT
2030 PENNSYLVANIA
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MADISON, WI 53704

OWNER
NEW LAND ENTERPRISES
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VERONA, WI 53593

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DATE	REVISION

DESIGN REVIEW - NOT FOR CONSTRUCTION

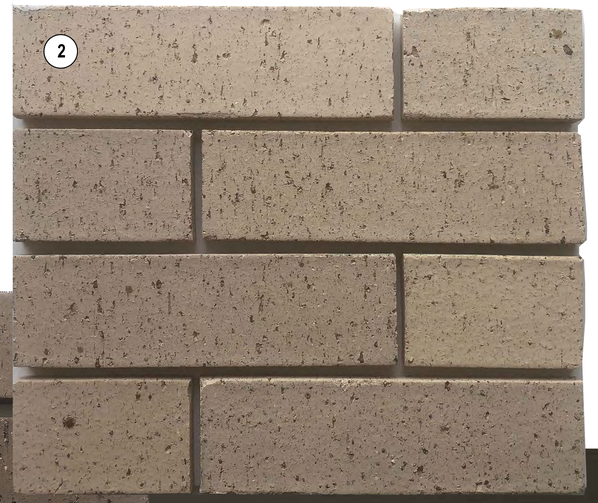
PROJ. NO.	25001-09
SCALE:	As indicated
PHASE:	UDC FINAL
DATE:	JANUARY 5, 2026

BUILDING ELEVATIONS

A201

KORB

1. INTERSTATE BRICK - SMOKEY MOUNTAIN
2. INTERSTATE BRICK - ARCTIC WHITE
3. DARK BRONZE ANODIZED ALUMINUM
4. DARK COPPER ANODIZED ALUMINUM PATTERNED PANEL
5. JAMES HARDIE BOARD - RICH ESPRESSO
6. JAMES HARDIE BOARD - SPICY MUSTARD
7. JAMES HARDIE BOARD - CYPRESS YELLOW
8. JAMES HARDIE BOARD - ELEGANT RED
9. JAMES HARDIE BOARD - BAKED CLAY
10. JAMES HARDIE BOARD - BRUSHWORK RED



PROJECT
2030 PENNSYLVANIA
2030 PENNSYLVANIA AVENUE,
MADISON, WI 53704

OWNER
NEW LAND ENTERPRISES
1640 N. FARWELL AVE.
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DATE	REVISION

DESIGN REVIEW - NOT FOR CONSTRUCTION

PROJ. NO.	25001-09
SCALE:	1/8" = 1'-0"
PHASE:	UDC FINAL
DATE:	JANUARY 5, 2026

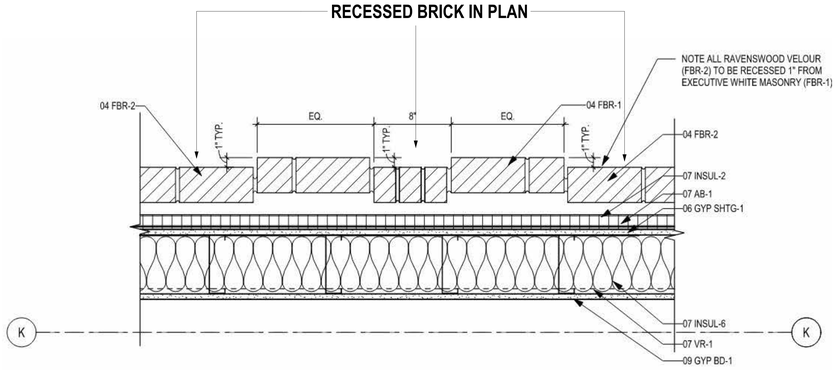
BUILDING MATERIALS

A202

*ALL DETAILS ARE REPRESENTATIVE, SHOWING INTENT - NOT PROJECT SPECIFIC.

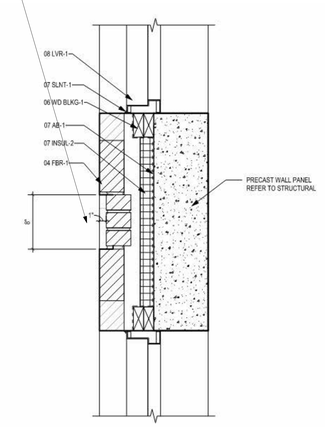
KORB

RECESSED BRICK IN PLAN



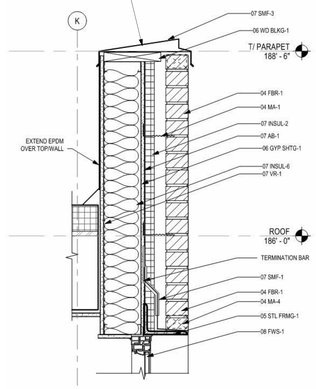
11 FBR-1 TO FBR-2 SETBACK DETAIL
A501 1 1/2" = 1'-0"

VERTICAL BAND DETAIL - BACKUP WALL MAY VARY



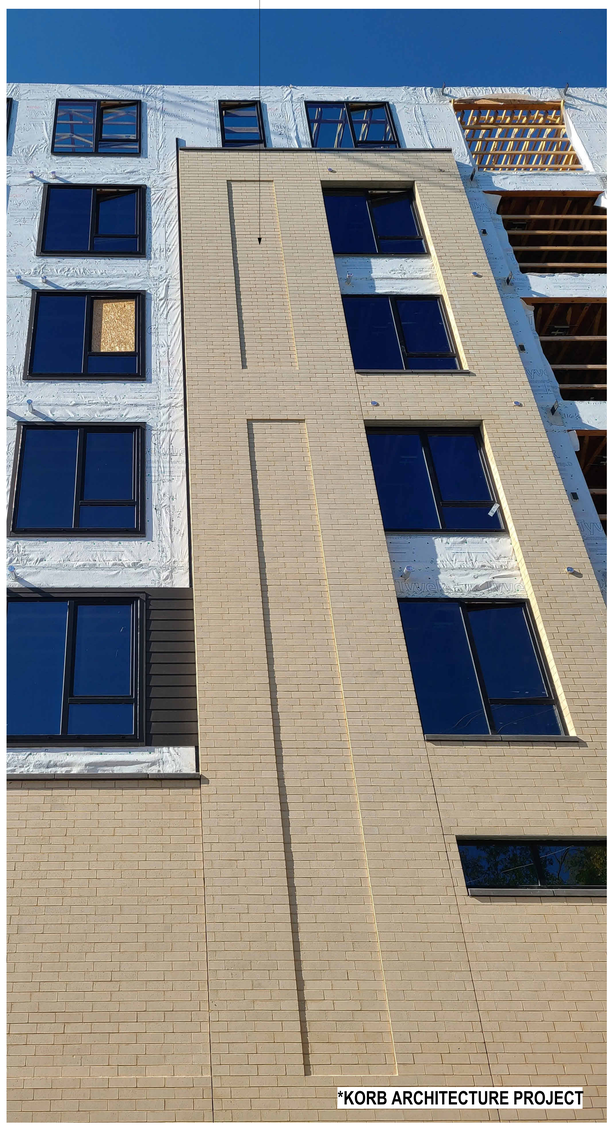
10 LOUVER JAMB DETAIL - PRECAST WALL
A501 1 1/2" = 1'-0"

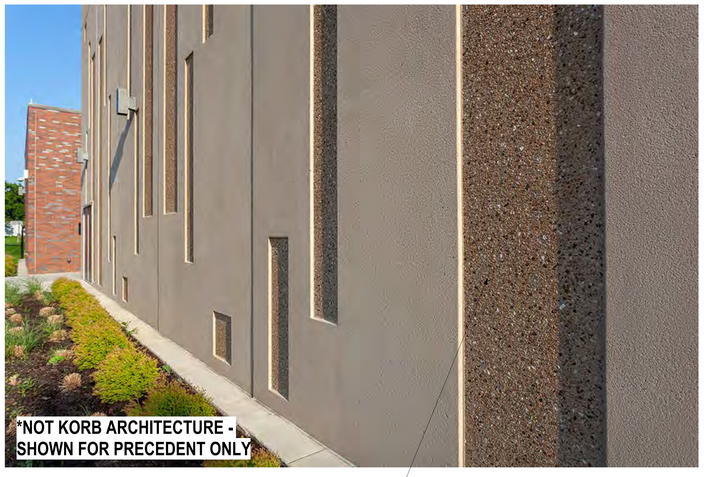
ROOF DETAIL WITH METAL COPING



3 WINDOW HEAD TO PARAPET DETAIL - FBR
A512 1 1/2" = 1'-0"

VERTICAL BAND RECESSED BRICK DETAILING





PRECAST PRECEDENT FOR WEST ELEVATION - VERTICAL INSET BANDS WITH EXPOSED AGGREGATE.

STAGGERED RECESSED BRICK DETAILING

RECESSED BRICK DETAILING

OVERALL COMPOSITION OF VERTICAL BANDING

PROJECT
2030 PENNSYLVANIA
2030 PENNSYLVANIA AVENUE,
MADISON, WI 53704

OWNER
NEW LAND ENTERPRISES
1640 N. FARWELL AVE.
MILWAUKEE, WI 53202

ARCHITECT
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646 N. PLANKINTON AVE, SUITE 240
MILWAUKEE, WI 53203

STRUCTURAL ENGINEER

CIVIL ENGINEER
JSD
507 W VERONA AVE, SUITE 500
VERONA, WI 53593

LANDSCAPE ARCHITECT
JSD
507 W VERONA AVE, SUITE 500
VERONA, WI 53593

DATE	REVISION

DESIGN REVIEW - NOT FOR CONSTRUCTION

PROJ. NO.	25001-09
SCALE:	
PHASE:	UDC FINAL
DATE:	JANUARY 5, 2026

MASONRY & DETAIL PRECEDENT

A250

2030 Pennsylvania Ave.
Madison, WI

UDC RENDERINGS

2026.01.05

North East Aerial Perspective

2030 N Pennsylvania Ave. Madison, WI

2026.01.05

KORB

Architecture • Design • Planning

South East Entry

2030 N Pennsylvania Ave. Madison, WI

2026.01.05

KORB

Architecture • Design • Planning

South East Entry Elevation Along Pennslyvania

2030 N Pennsylvania Ave. Madison, WI

2026.01.05

KORB

Architecture • Design • Planning

Mid Site Crosswalk and “Traincar” View

2030 N Pennsylvania Ave. Madison, WI

2026.01.05

KORB

Architecture • Design • Planning

Train Car Crosswalk

2030 N Pennsylvania Ave. Madison, WI

2026.01.05

KORB

Architecture • Design • Planning

Townhomes at South Pennsylvania Ave. Pedestrian View

2030 N Pennsylvania Ave. Madison, WI

2026.01.05

KORB

Architecture • Design • Planning

Midblock Pennsylvania Ave. Pedestrian View

2030 N Pennsylvania Ave. Madison, WI

2026.01.05

KORB

Architecture • Design • Planning

Pennsylvania Ave Elevation

2030 N Pennsylvania Ave. Madison, WI

2026.01.05

KORB

Architecture • Design • Planning

Townhomes

2030 N Pennsylvania Ave. Madison, WI

2026.01.05

KORB

Architecture • Design • Planning

North Pedestrian View

2030 N Pennsylvania Ave. Madison, WI

2026.01.05

KORB

Architecture • Design • Planning

West Parking View

2030 N Pennsylvania Ave. Madison, WI

2026.01.05

KORB

Architecture • Design • Planning

West Parking Pedestrian View

2030 N Pennsylvania Ave. Madison, WI

2026.01.05

KORB

Architecture • Design • Planning

South Pedestrian View

2030 N Pennsylvania Ave. Madison, WI

2026.01.05

KORB

Architecture • Design • Planning

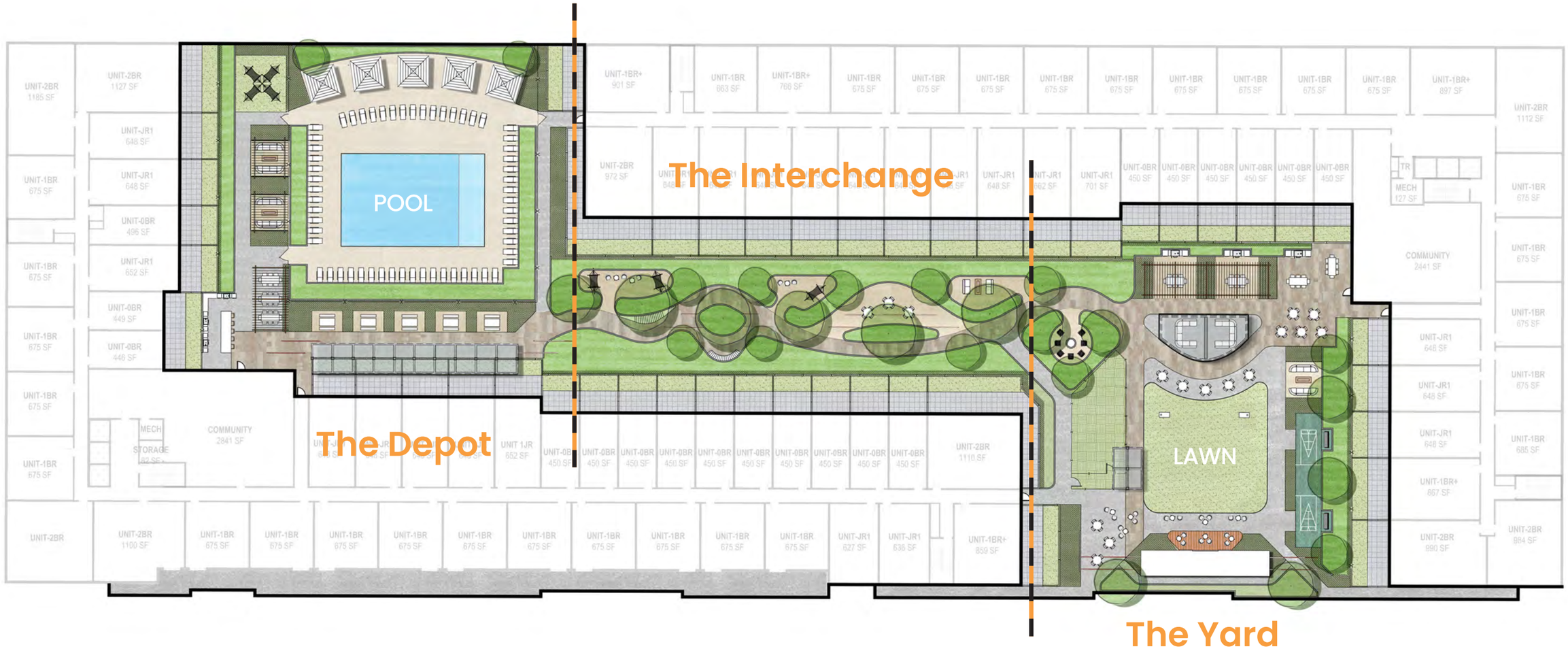
SE Aerial

2030 N Pennsylvania Ave. Madison, WI

2026.01.05

KORB

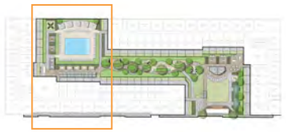
Architecture • Design • Planning

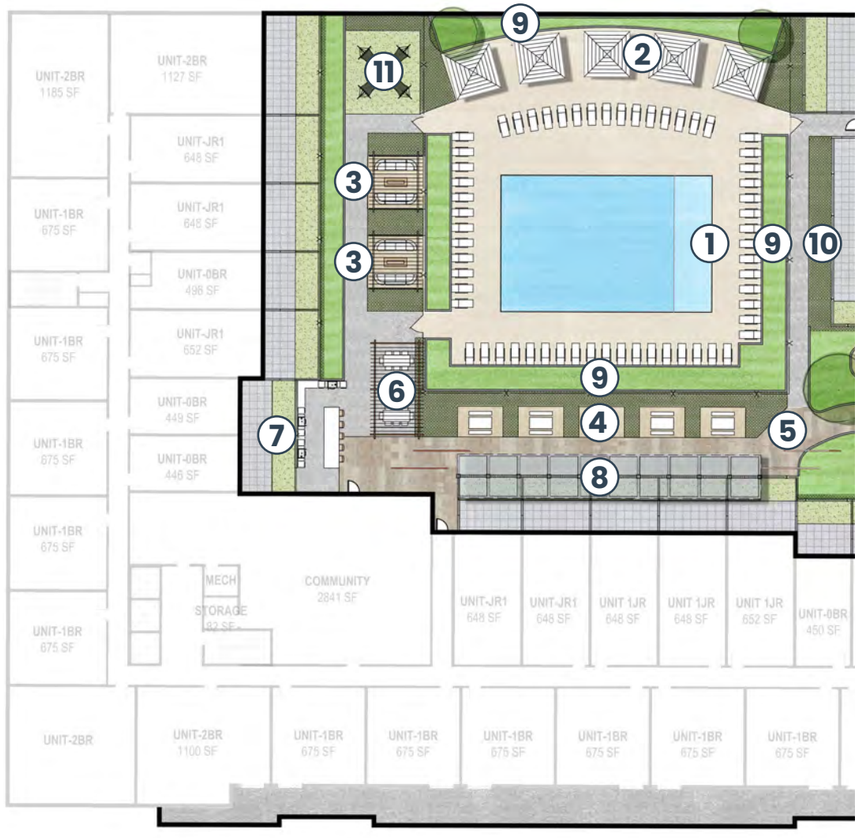


2030 PENNSYLVANIA AVENUE
MADISON, WI
DATE: 01/05/2026

ROOFTOP PLAN

0 40’





KEYNOTE LEGEND

1. Pool Deck / Sun Shelf / Seating
2. Aluminum Cabanas
3. Gas Fire Table w/ Seating
4. Wood Community Tables
5. Feature Path
6. Aluminum Pergola w/ Wood Slats
7. Modular Block Grill Stations
8. Shade Structure
9. Intensive Raised Planter Beds
10. Green Roof Tray System
11. Hammock Grove

1. Pool Deck / Sun Shelf / Lounge Seating

3. Gas Fire Table w/ Seating

2. Aluminum Cabanas w/ Furniture

4. Wood Community Tables

7. Modular Block Gas Grill Stations w/ Concrete Counters

11. Hammock Grove

JSD

2030 PENNSYLVANIA AVENUE
MADISON, WI
DATE: 01/05/2026

KEYNOTE LEGEND

1. Intensive Raised Planter Beds
2. Green Roof Tray System
3. Feature Path
4. Seating Node
5. Feature Bench

3. Feature Path - faux-wood concrete pavers / native plantings

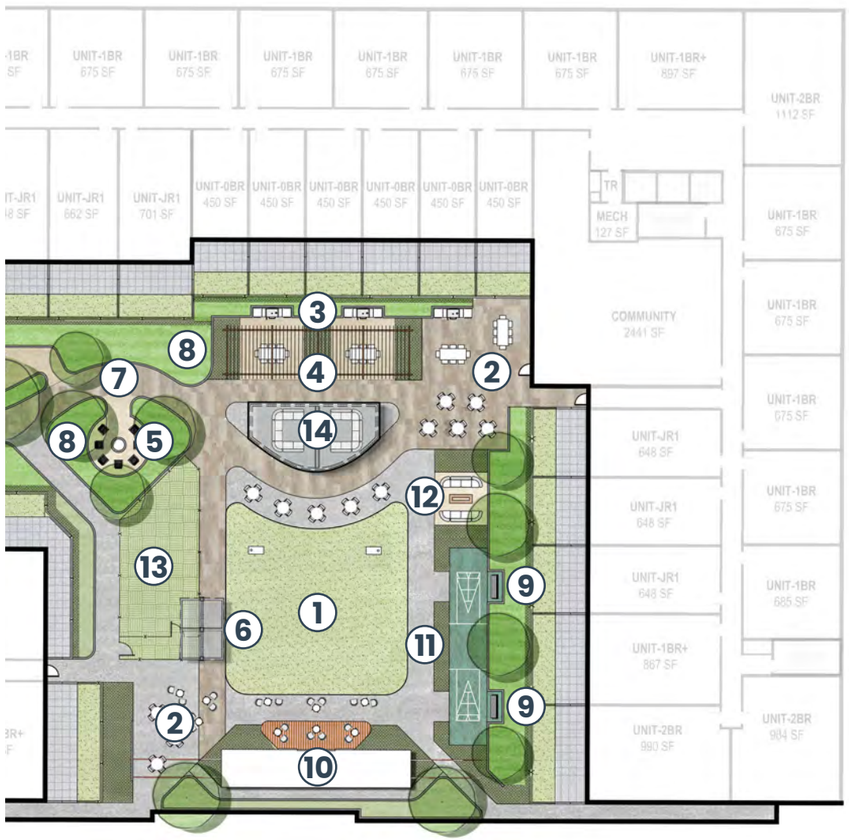
3. Feature Path - edging / native plantings

4. Seating Node - intensive plantings, aggregate surface

5. Feature Bench - thermally modified wood with lighting

JSD

2030 PENNSYLVANIA AVENUE
MADISON, WI
DATE: 01/05/2026



KEYNOTE LEGEND

1. Activity Lawn
2. Tables & Chairs
3. Modular Block Grill Stations
4. Aluminum Pergola w/ Seating
5. Natural Gas Fire Feature
6. Shade Structure
7. Feature Path
8. Intensive Raised Planter Beds
9. Thermally Modified Wood Furniture
10. Box Car w/ Deck
11. Suffleboard Court
12. Gas Fire Table with Seating
13. Artifical Turf Dog Run
14. TV Lounge w/ Seating

5. Natural Gas Fire Feature

13. Artificial Turf Dog Run w/ Aluminum Fence

14. TV Lounge w/ Soft Seating

10. Box Car w/ Thermally Modified Wood Deck

JSD

2030 PENNSYLVANIA AVENUE
MADISON, WI
DATE: 01/05/2026

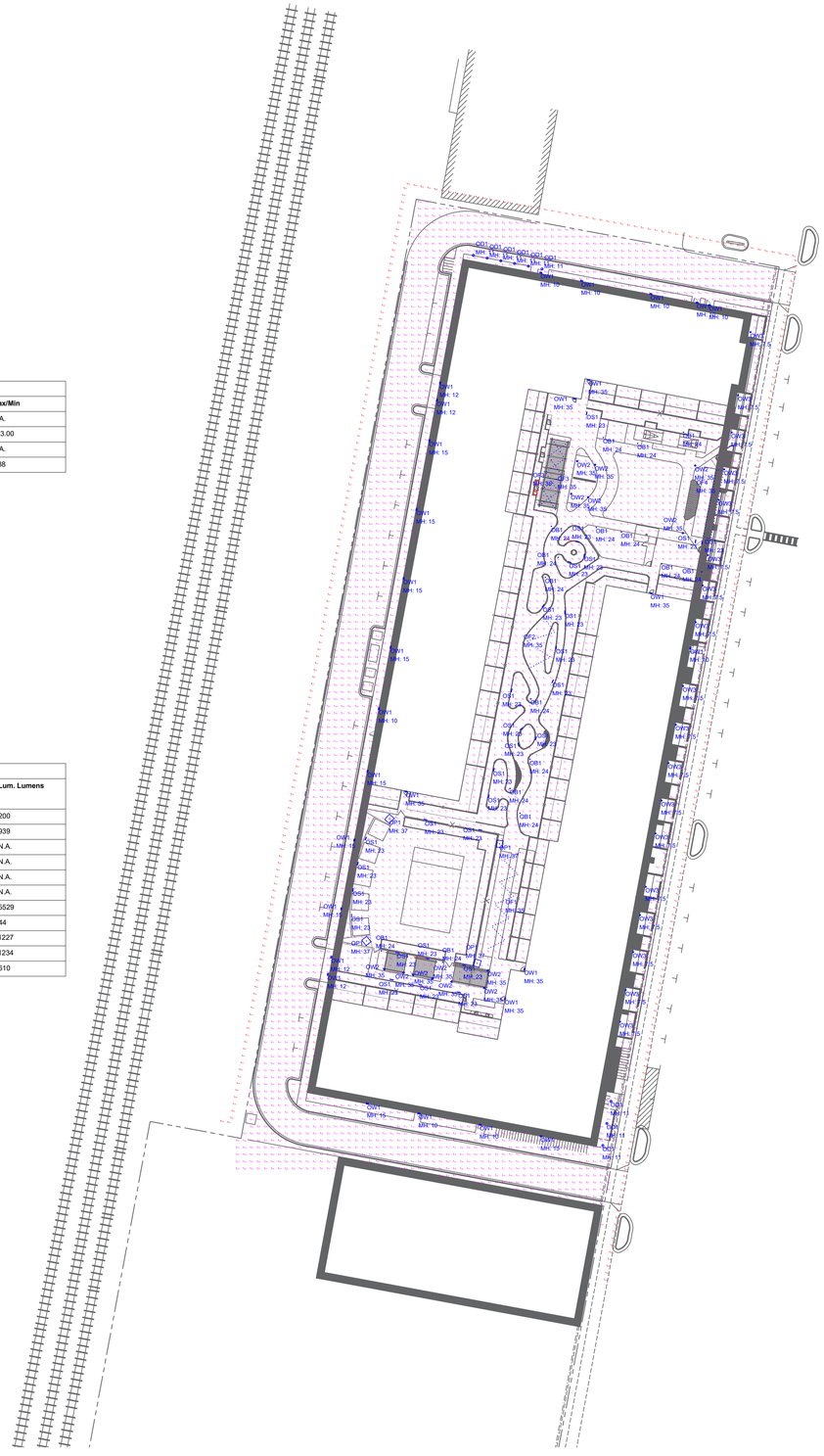
The Yard

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**
10' OFF PROPERTY LINE	Illuminance	Fc	0.02	0.11	0.00	N.A.	N.A.
ROOF DECK	Illuminance	Fc	1.40	28.3	0.1	14.00	283.00
SITE	Illuminance	Fc	0.59	13.55	0.00	N.A.	N.A.
POOL	Illuminance	Fc	1.06	1.5	0.8	1.33	1.88

Luminaire Schedule								
Qty	**Label**	**Arrangement**	**LLF**	**MFR**	**Description**	**Lum. Watts**	**Total Watts**	**Lum. Lumens**
16	OB1	Single	0.950	LOUIS POULSEN	5747408915 CONFIRM CORD MOUNTING CCT AND FINISH	6.5	104	200
9	OD1	Single	0.950	LITHONIA	LDN6 XXK 10 LO6AR LSS	10.44	93.96	939
1	OF1	GROUP	0.950	ALUZ	A5-ZOZO-STN 24IN 27K-GSFL WET 125FT	N.A.	215.68	N.A.
1	OF2	GROUP	0.950	ALUZ	A5-ZOZO-STN 24IN 27K-GSFL WET 70FT	N.A.	121.32	N.A.
2	OF3	GROUP	0.950	ALUZ	A5-ZOZO-STN 24IN 27K-GSFL WET 68FT	N.A.	229.16	N.A.
1	OF4	GROUP	0.950	ALUZ	A5-ZOZO-STN 24IN 27K-GSFL WET 110FT	N.A.	185.35	N.A.
4	OP1	Single	0.950	US ARCHITECTURAL	PAC24-PT1-PLED-IV-FT-36LED-350mA-XXK-UNV	41.3	165.2	5529
28	OS1	Single	0.950	WAC	WL-5205-30-ABK	5.35699	149.996	44
28	OW1	Single	0.950	LITHONIA	WDGE1 LED P1 XXK 80CRI VF	10.0002	280.006	1227
13	OW2	Single	0.950	KUZCO	EW264210-BK	20.1	261.3	1234
18	OW3	Single	0.950	MODERN FORMS	WS-W70612-BK	25.6	460.8	610



ENTERPRISE Lighting & Control

#	DATE	COMMENTS

REVISIONS

DRAWN BY : BB

DATE : JAN 6, 2026

SCALE : 1" = 50'-0"

HOOPER RESIDENTIAL

MADISON, WI

EXTERIOR LIGHTING

FLINDT GARDEN BOLLARD

Black texture, 5747408915, Designed by Christian Flindt

Type:	
Product:	
Project:	
Modified:	

Technical specifications

Materials
Top/Base plate: die-cast aluminum.
Post: extruded aluminum.

Finishes
Textured, powder coated paint in Natural Aluminum, Corten, or Black.

Mounting
The bollard requires a separate, 24V or 230V DC power supply.

Flindt Garden with an integrated driver (230V) is available with a baseplate and anchor mounting. A mounting fixture is available as a spare part.
Flindt Garden without an adapter (24V) must be connected to an external adapter. The adapter must be brought separately. A maximum of 6 Garden bollards (6,5 W) can be run by one adapter.
The maximum distance to the last bollard is 30 m. Stem: Ø50 mm.

Spike mounted bollard(Plug&Play): For use in soil or gravel; includes weather-proof cables and connectors for above-ground runs.
Anchor mounted bollard(certified electrician): for casting in new concrete pad.
Base mounted bollard(certified electrician): Includes baseplate for anchoring to decks and floors.

Information
Electrical:
System Wattage: 6.5-8.8W
LED Wattage: 6.0W
Delivered lumens: 215-291 lm
Efficacy: 24.1 - 44.7 lm/W

Certifications:
cULus, Wet Location
Protection class IP65
IK class 06
BUG Rating: B0-U2-G0
Color Rendering: Ra≥80
LED is non-dimming.

Low Voltage power supply 24VDC is remote mounted for multiple bollards per supply. Spike mounted bollards use provided weather-proof cables and connectors for above-ground runs. Plug and play. Anchor or Base mounted bollards: installation determined by certified electrician with below ground cabling and conduit. Consult factory for remote power supply information; maximum bollards and cable distances. For the E-socket product variants, bulbs are not included. LED light source is part of the product.

FLINDT GARDEN BOLLARD

Black texture, 5747408915, Designed by Christian Flindt

Anchor or Base mounted bollards: installation determined by certified electrician with below ground cabling and conduit. For mounting instructions, see download section on the product detail page.

FLINDT GARDEN BOLLARD

Black texture, 5747408915, Designed by Christian Flindt

Variant Options

For particular variant options, please check our online Product Variants Configurator on the product detail page.

VARIANT NO.	LIGHT SOURCE	VOLTAGE/FRQ	DELIVERED LUMEN	FEATURES	CABLE	COLOR, RAL	W / H / L (IN) / W (LB)
10000158330	Integrated LED 3000K (7 W, no bulb required)	24V	252	-	-	NAT PAINT ALU, 162	- / - / - in / 5.2 lb
10000158331	Integrated LED 3000K (7 W, no bulb required)	24V	215	-	-	CORTEN COLOR, 954	- / - / - in / 5.2 lb
10000158334	Integrated LED 2700K (7 W, no bulb required)	24V	252	-	-	NAT PAINT ALU, 162	- / - / - in / 5.2 lb
10000158335	Integrated LED 2700K (7 W, no bulb required)	24V	215	-	-	CORTEN COLOR, 954	- / - / - in / 5.2 lb
10000158336	Integrated LED 3000K (7 W, no bulb required)	24V	252	-	-	NAT PAINT ALU, 162	- / - / - in / 5.2 lb
10000158337	Integrated LED 3000K (7 W, no bulb required)	24V	215	-	-	CORTEN COLOR, 954	- / - / - in / 5.2 lb
10000158340	Integrated LED 2700K (7 W, no bulb required)	24V	252	-	-	NAT PAINT ALU, 162	- / - / - in / 5.2 lb
10000158341	Integrated LED 2700K (7 W, no bulb required)	24V	215	-	-	CORTEN COLOR, 954	- / - / - in / 5.2 lb
5747402474	Integrated LED 3000K (7 W, no bulb required)	24V	215	-	-	CORTEN COLOR, 954	- / - / - in / 2.8 lb
5747402487	Integrated LED 2700K (7 W, no bulb required)	24V	215	-	-	CORTEN COLOR, 954	- / - / - in / 2.8 lb
5747402500	Integrated LED 3000K (7 W, no bulb required)	24V	215	-	-	CORTEN COLOR, 954	- / - / - in / 3.2 lb
5747402513	Integrated LED 2700K (7 W, no bulb required)	24V	215	-	-	CORTEN COLOR, 954	- / - / - in / 5.2 lb
5747402568	Integrated LED 3000K (7 W, no bulb required)	24V	215	-	-	CORTEN COLOR, 954	- / - / - in / 2.9 lb
5747402571	Integrated LED 2700K (7 W, no bulb required)	24V	215	-	-	CORTEN COLOR, 954	- / - / - in / 2.9 lb
5747402597	Integrated LED 3000K (7 W, no bulb required)	24V	215	-	-	CORTEN COLOR, 954	- / - / - in / 3.4 lb
5747402607	Integrated LED 2700K (7 W, no bulb required)	24V	215	-	-	CORTEN COLOR, 954	- / - / - in / 5.4 lb
5747402830	Integrated LED 3000K (7 W, no bulb required)	24V	252	-	-	NAT PAINT ALU, 162	- / - / - in / 2.8 lb
5747402843	Integrated LED 2700K (7 W, no bulb required)	24V	252	-	-	NAT PAINT ALU, 162	- / - / - in / 2.8 lb
5747402869	Integrated LED 3000K (7 W, no bulb required)	24V	252	-	-	NAT PAINT ALU, 162	- / - / - in / 5.2 lb
5747402872	Integrated LED 2700K (7 W, no bulb required)	24V	252	-	-	NAT PAINT ALU, 162	- / - / - in / 3.2 lb
5747402924	Integrated LED 3000K (7 W, no bulb required)	24V	252	-	-	NAT PAINT ALU, 162	- / - / - in / 2.9 lb
5747402937	Integrated LED 2700K (7 W, no bulb required)	24V	252	-	-	NAT PAINT ALU, 162	- / - / - in / 2.9 lb
5747402953	Integrated LED 3000K (7 W, no bulb required)	24V	252	-	-	NAT PAINT ALU, 162	- / - / - in / 3.4 lb
5747402966	Integrated LED 2700K (7 W, no bulb required)	24V	252	-	-	NAT PAINT ALU, 162	- / - / - in / 3.4 lb
5747405536	Integrated LED 3000K (no bulb required)	24V		-	-	NAT PAINT ALU, 162	2 / 27.4 / 2 in / 4.5 lb
5747405549	Integrated LED 2700K (no bulb required)	24V		-	-	NAT PAINT ALU, 162	27.5 / 2 / 2 in / 4.8 lb
5747405565	Integrated LED 3000K (no bulb required)	24V		-	-	NAT PAINT ALU, 162	2 / 13.6 / 2 in / 4.5 lb
5747405578	Integrated LED 2700K (no bulb required)	24V		-	-	NAT PAINT ALU, 162	2 / 13.6 / 2 in / 4.5 lb
	Integrated LED 3000K (no bulb					CORTEN	27.5 / 2 / 2 in / 4.8

FLINDT GARDEN BOLLARD

Black texture, 5747408915, Designed by Christian Flindt

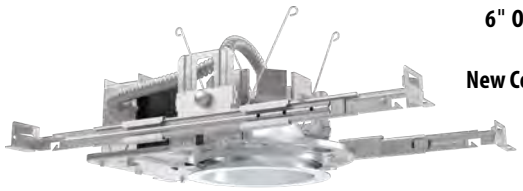
5747405594	required)	24V		-	-	COLOR, 954	lb
5747405604	Integrated LED 2700K (no bulb required)	24V		-	-	CORTEN COLOR, 954	27.5 / 2 / 2 in / 4.5 lb
5747405617	Integrated LED 4000K (no bulb required)	24V		-	-	CORTEN COLOR, 954	2 / 13.6 / 2 in / 2.6 lb
5747405620	Integrated LED 3000K (no bulb required)	24V		-	-	CORTEN COLOR, 954	2 / 13.6 / 2 in / 4.5 lb
5747405633	Integrated LED 2700K (no bulb required)	24V		-	-	CORTEN COLOR, 954	13.6 / 2 / 2 in / 4.5 lb
5747408782	Integrated LED 3000K (7 W, no bulb required)	24V		-	With cord	BLK, 731	2 / 13.6 / 2 in / 3.2 lb
5747408795	Integrated LED 2700K (7 W, no bulb required)	24V		-	With cord	BLK, 731	2 / 13.6 / 2 in / 3.2 lb
5747408818	Integrated LED 3000K (7 W, no bulb required)	24V		-	With cord	BLK, 731	2 / 27.5 / 2 in / 4.0 lb
5747408821	Integrated LED 2700K (7 W, no bulb required)	24V		-	With cord	BLK, 731	2 / 27.5 / 2 in / 4.0 lb
5747408847	Integrated LED 3000K (7 W, no bulb required)	24V	200	-	With cord	BLK, 731	- / - / - in / 2.1 lb
5747408850	Integrated LED 2700K (7 W, no bulb required)	24V	200	-	With cord	BLK, 731	- / - / - in / 2.1 lb
5747408876	Integrated LED 3000K (7 W, no bulb required)	24V	200	-	With cord	BLK, 731	- / - / - in / 2.2 lb
5747408889	Integrated LED 2700K (7 W, no bulb required)	24V	200	-	With cord	BLK, 731	- / - / - in / 2.2 lb
5747408902	Integrated LED 3000K (7 W, no bulb required)	24V	200	-	-	BLK, 731	2 / 13.7 / 2 in / 3.1 lb
5747408915	Integrated LED 2700K (7 W, no bulb required)	24V	200	-	-	BLK, 731	13.7 / 2 / 2 in / 3.1 lb
5747408931	Integrated LED 3000K (7 W, no bulb required)	24V	200	-	With cord	BLK, 731	- / - / - in / 2.9 lb
5747408944	Integrated LED 2700K (7 W, no bulb required)	24V	200	-	With cord	BLK, 731	- / - / - in / 2.9 lb
5747408960	Integrated LED 3000K (7 W, no bulb required)	24V	200	-	With cord	BLK, 731	- / - / - in / 3.1 lb
5747408973	Integrated LED 2700K (7 W, no bulb required)	24V	200	-	With cord	BLK, 731	- / - / - in / 3.1 lb
5747408999	Integrated LED 3000K (7 W, no bulb required)	24V	200	-	-	BLK, 731	27.5 / 2 / 2 in / 3.9 lb
5747409008	Integrated LED 2700K (7 W, no bulb required)	24V	200	-	-	BLK, 731	27.5 / 2 / 2 in / 3.9 lb

LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

LDN6 STATIC WHITE

6" Open and Wallwash LED
Non-IC
New Construction Downlight



Open Trim

Wallwash Trim

FEATURES & SPECIFICATIONS

INTENDED USE — Typical applications include corridors, lobbies, conference rooms and private offices.

CONSTRUCTION — Galvanized steel mounting/plaster frame; galvanized steel junction box with bottom-hinged access covers and spring latches. Reflectors are retained by torsion springs.

Vertically adjustable mounting brackets with commercial bar hangers provide 3-3/4" total adjustment.

Two combination ½"-3/4" and four ½" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out). No. 12 AWG conductors, rated for 90°C.

Accommodates 12"-24" joist spacing.

Passive cooling thermal management for 25°C standard; high ambient (40°C) option available. Light engine and drivers are accessible from above or below ceiling.

Max ceiling thickness 1-1/2".

OPTICS — LEDs are binned to a 3-step MacAdam Ellipse; 80 CRI minimum. 90 CRI optional.

LED light source concealed with diffusing optical lens.

General illumination lighting with 1.0 S/MH and 55° cutoff to source and source image.

Self-flanged anodized reflectors in specular, semi-specular, or matte diffuse finishes. Also available in white and black painted reflectors.

Controls (Optional) —

• Luminaire can be equipped with interface for nLight wired, allowing it to communicate over an nLight network. Couple with nLight-enabled sensors, power packs, or WallPods using CAT-5 cabling to create an nLight Control Zone. Link Control Zone to a Gateway directly or via a Bridge for remote status monitoring and control using SensorView software.

• Luminaire can be equipped with interface for nLight Air, allowing it to communicate over the wireless nLight control platform. Can be paired to other luminaires and wall switches through CLAIRITY+, a mobile app, which allows individual fixture control.

UGR — UGR is zero for fixtures aimed at nadir with a cut-off equal to or less than 60deg, per CIE 117-1996 Discomfort Glare in Interior Lighting.

ELECTRICAL — Multi-volt (120-277V, 50/60Hz) 0-10V dimming drivers mounted to junction box, 10% or 1% minimum dimming level available.

0-10V dimming fixture requires two (2) additional low-voltage wires to be pulled.

LUMEN MAINTENANCE — 70% lumen maintenance at 60,000 hours. L70/60,000 hours

LISTINGS — Certified to US and Canadian safety standards. Wet location standard (covered ceiling). IP55 rated. Drivers are RoHS compliant

GOVERNMENT PROCUREMENT — BAA – 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.

PERFORMANCE DATA

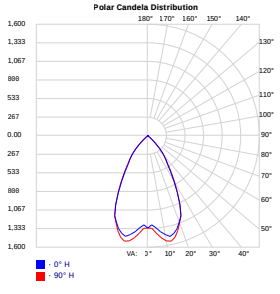
LDN6 3500K AR LSS 80CRI			
Nominal Lumens	**Lumens**	**Wattage**	**Lm/W**
500	527.9	5.8	90.5
750	758.1	8.9	85.1
1000	950.1	10.4	91.0
1500	1514	17.5	86.4
2000	2006	22.5	89.1
2500	2504	28.3	88.6
3000	3021	34.8	86.9
4000	4008	44.3	90.6
5000	4975	57.7	86.3

Notes

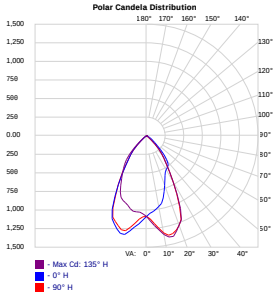
• Tested in accordance with IESNA LM-79-08.
• Tested to current IES and NEMA standards under stabilized laboratory conditions.
• CRI: 80 typical.

battery pack

DISTRIBUTIONS



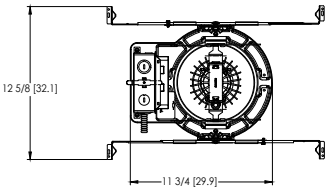
Open

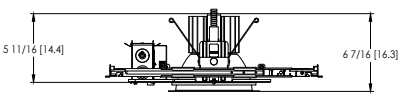


Wallwash

DIMENSIONS

LDN6 500-3000 Lumens





Aperture: Ø 6-1/4" [15.9]
Ceiling Cutout: Ø 7-1/8" [18.1] Self-flanged
Overlap Trim: Ø 7-1/2" [19.1]

See page 4 for other fixture dimensions

LDN6

Design Select options indicated by this color background.

ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative.

Example: LDN6 35/15 LO6 AR LSS MVOLT EZ10

LDN6							
Series	**Color temperature**	**Lumens ‡**	**Trim Style**	**Trim Color**	**Trim Finish**	**Flange Color ‡**	**Voltage**
LDN6 6" round	27/ 2700K	05 500 lumens	LO6 Downlight	AR Clear	LSS Semi-specular	TRW White painted flange	MVOLT Multi-volt
	30/ 3000K	07 750 lumens	LW6 Wallwash	WR ‡ White	LD Matte diffuse	TRBL Black painted flange	120 120V
	35/ 3500K	10 1000 lumens		BR ‡ Black	LS Specular	FCPC Custom painted flange only	277 277V
	40/ 4000K	15 1500 lumens		TCPC ‡ Custom painted trim		FRALTBD RAL painted flange only	347 ‡ 347V
	50/ 5000K	20 2000 lumens		TRALTBD ‡ RAL painted trim			
		25 2500 lumens					
		30 3000 lumens					
		40 4000 lumens					
		50 5000 lumens					

Driver	**Emergency ‡**	**Control Input ‡**	**Options**
GZ10 0-10V driver dims to 10%	(blank) No Emergency Needed	(blank) No Control Input Needed	HAO ‡ High ambient option (40°C)
GZ1 0-10V driver dims to 1%	EL Battery pack (10W constant power), non-T20 compliant, integral test switch	SSAIR Wireless standalone embedded control by SensorSwitch	CP ‡ Chicago Plenum
D10 Minimum dimming 10% driver for use with SSAIR	ELR Battery pack (10W constant power), non-T20 compliant, remote test switch	NPP16D nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1).	RRL___ RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Refer to RRL for complete nomenclature. Available only in RRLA, RRLB, RRLAE, and RRLC12S.
D1 Minimum dimming 1% driver for use with SSAIR	ELSD Self-diagnostic battery pack (10W constant power), non-T20 compliant, integral test switch	NPP16DER nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1). ER controls fixtures on emergency circuit.	BAA Buy America(n) Act and/or Build America Buy America Qualified
EZ1 0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 1%	ELRSD Self-diagnostic battery pack (10W constant power), non-T20 compliant, remote test switch	NPS80EZ nLight® dimming pack controls 0-10V eldoLED drivers (EZ1).	90CRI High CRI (90+)
EDAB eldoLED DALI SOLDRIVE dim to dark	E10WCP Battery pack (10W constant power), T20 compliant, integral test switch	NPS80EZER nLight® dimming pack controls 0-10V eldoLED drivers (EZ1). ER controls fixtures on emergency circuit.	SF ‡ Single fuse
	E10WCPR Battery pack (10W constant power), T20 compliant, remote test switch	N80 nLight™ Lumen Compensation	
	E10WRSTAR Emergency battery pack, 10W with remote test switch and Iota STAR technology	NLTAIR2 nLight® Air enabled	
		NLTAIRER2 nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit, not available with battery pack options	
		NLTAIREM2 nLight® AIR Dimming Pack Wireless Controls. UL924 Emergency Operation, via power interrupt detection. Available with battery pack options.	

‡ Option Value Ordering Restrictions

Option value	Restriction
Lumens	Overall height varies based on lumen package; refer to dimensional chart.
WR, BR	Not available with finishes.
347	Not available with emergency options.
SF	Must specify voltage 120V or 277V.
TRW, TRBL	Available with clear (AR) reflector only.
EL, ELR, ELSD, ELRSD, E10WCP, E10WCPR	12.5" of plenum depth or top access required for battery pack maintenance.
NPP16D, NPP16DER, NPS80EZ, NPS80EZER	Specify voltage. ER for use with generator supply EM power. Will require an emergency hot feed and normal hot feed. See UL 924 Sequence of Operation table.
N80	Fixture begins at 80% light level. Must be specified with NPS80EZ or NPS80EZ ER. Only available with EZ1 drivers.
NLTAIR, NLTAIR2, NLTAIRER2, NLTAIREM2	Not available with CP, NPS80EZ, NPS80EZER, NPP16D, NPP16DER or N80 options. Not recommended for metal ceiling installations.
HAO	Fixture height is 6.5" for all lumen packages with HAO.
CP	Must specify voltage for 3000lm and above. 5000lm with marked spacing 24 L x 24 W x 14 H. Not available with emergency battery pack option.
JOT	Must specify D10 or D1 driver. Not available with nLight options. Not available with CP. Not recommended for metal ceiling installation. Not for use with emergency backup power systems other than battery packs.
Reloc® Options	Refer to RRL specification sheet on acuitybrands.com for further details.
RRLAE	Commercial fixtures should disconnect the TSPL before unplugging the RRL so it does not go into discharge mode.
RRLC12S	RRLC12S option is to be used with the OnePass OCU, OCS, OD, OFC and OD for 0-24V integrated single-circuit or 0-10V low voltage controls applications. Not available with integral dimming sensors.
TRALTBD, FRALTBD	RALTBD for pricing only. Replace with applicable RAL number and finish when ready to order. See the RAL BROCHURE for available color options. Not available with TCPC or FCPC
TCPC, FCPC	CPC options for pricing only. Custom color chip needs to be sent in to your Customer Resolution specialist before order can be processed. Click HERE for more details. Not available with TRAL or FRAL
E10WRSTAR	Not available with wet location, EC1, EC6, QDS, CP, 347V, NPS80EZ ER, NLTAIRER2, NLTAIREM2, ALO3 & ALO4 w/DALI, OR 2000-4500 lumens w/SSAIR. Top access installation or 17.5" plenum clearance required for roomside installation. Not available with integral test switch

Accessories: *Order as separate catalog number.*

EAC ISSM 375	Compact interruptible emergency AC power system	SCA6	Sloped Ceiling Adapter. Degree of slope must be specified (5D, 10D, 15D, 20D, 25D, 30D). Ex: SCA6 10D
EAC ISSM 125	Compact interruptible emergency AC power system		
GRA68 JZ	Oversized trim ring with 8" outside diameter		

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

(Maximum order quantity for design select lead times is 112.)

Emergency Battery Pack Options - Field Installable

Battery Model Number	Wattage	Runtime (Minutes)	Lumen Output* @ 120 Lumens/Watt	Other
ILB CP07 2H A	7W	120	840	Storm Shelter / 2 Hour Runtime
ILB CP10 A	10W	90	1200	
ILBLP CP10 HE SD A+	10W	90	1200	Title 20, Self Diagnostic
ILBLP CP15 HE SD A+	15W	90	1800	Title 20, Self Diagnostic
ILB CP20 HE A	20W	90	2400	Title 20
ILB CP20 HE SD A	20W	90	2400	Title 20, Self Diagnostic
ILBHI CP10 HE SD A+	10W	90	1200	347-480V AC Input, Title 20, Self Diagnostic
ILBHI CP15 HE SD A+	15W	90	1800	347-480V AC Input, Title 20, Self Diagnostic

All the above are UL Listed products that are certified for field install external/remote to the fixture.
*Minimum delivered lumen output to assist in product selection for increased fixture mounting height.
The CP10 delivered emergency illumination outperforms legacy 1400 lumen fluorescent emergency ballast.
Please contact us at techsupport@iotaengineering.com for any Emergency Battery related questions.

COMPATIBLE 0-10V WALL-MOUNT DIMMERS		
MANUFACTURER	PART NO.	POWER BOOSTER AVAILABLE
Lutron®	Diva® DVTV	
	Diva® DVSCTV	
	Nova T® NTFTV	
	Nova® NFTV	
Leviton®	AWSMT-7DW	CN100
	AWSMG-7DW	PE300
	AMRMG-7DW	
	Leviton Centura Fluorescent Control System	
	IllumaTech® IP7 Series	
Synergy®	ISD BC	RDMFC
	SLD LPCS	
	Digital Equinox (DEQ BC)	
Douglas Lighting Controls	WPC-5721	
Entertainment Technology	Tap Glide TG600FAM120 (120V)	
	Tap Glide Heatsink TGH1500FAM120 (120V)	
	Oasis 0A2000FAMU	
Honeywell	EL7315A1019	EL7305A1010 (optional)
	EL7315A1009	
HUNT Dimming	Preset slide: PS-010-IV and PS-010-WH	
	Preset slide: PS-010-3W-IV and PS-010-3W-WH	
	Preset slide, controls FD-010: PS-IFC-010-IV and PS-IFC-010-WH-120/277V	
	Preset slide, controls FD-010: PS-IFC-010-3W-IV and PS-IFC-010-3W-WH-120/277V	
	Remote mounted unit: FD-010	
Lehigh Electronic Products	Solitaire	PBX
PDM Electrical Products	WPC-5721	
Starfield Controls	TR61 with DALI interface port	RT03 DALInet Router
WattStopper®	LS-4 used with LCD-101 and LCD-103	

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provided consistent color appearance and out-of-the-box control capability with simple commissioning when used with Acuity Brands controls products.

All configurations of this luminaire are calibrated and tested meet the Acuity Brands' specification for chromatic consistency - including color rendering, color fidelity and color temperature tolerance around standard CIE chromaticity coordinates.

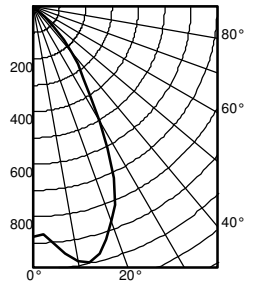
To learn more about A+, visit www.acuitybrands.com/aplus.

LDN6

PHOTOMETRY

Distribution Curve | **Distribution Data** | **Output Data** | **Illuminance Data at 30" Above Floor for a Single Luminaire**

LDN6 35/10 LO6AR, input watts: 10.44, delivered lumens: 987.10, LM/W = 94.54, spacing criterion at 0= 1.02, test no. ISF 30716P262.



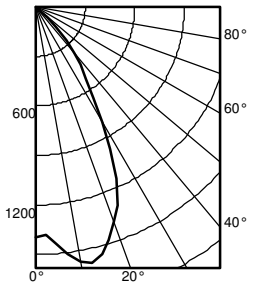
	Ave	Lumens
0	876	
5	905	89
15	971	269
25	720	322
35	330	214
45	110	87
55	1	4
65	1	1
75	0	0
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	680.7	69.0
0° - 40°	895.0	90.7
0° - 60°	986.0	99.9
0° - 90°	987.0	100.0
90° - 120°	0.0	0.0
90° - 130°	0.0	0.0
90° - 150°	0.0	0.0
90° - 180°	0.0	0.0
0° - 180°	987.0	*100.0

*Efficiency

Mounting Height	Inital FC Center Beam	50% beam - 54.5° Diameter	50% beam - 54.5° FC	10% beam - 82.2° Diameter	10% beam - 82.2° FC
8.0	29.0	5.7	14.5	9.6	2.9
10.0	15.6	7.7	7.8	13.1	1.6
12.0	9.7	9.8	4.9	16.6	1.0
14.0	6.6	11.8	3.3	20.1	0.7
16.0	4.8	13.9	2.4	23.6	0.5

LDN6 35/15 LO6AR, input watts: 17.52, delivered lumens: 1572.9, LM/W = 89.77, spacing criterion at 0= 1.02, test no. ISF 30716P265.



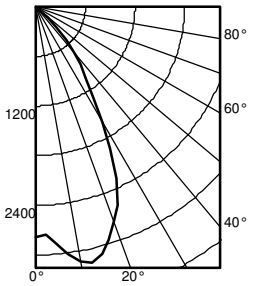
	Ave	Lumens
0	1396	
5	1442	142
15	1547	429
25	1147	514
35	526	342
45	176	139
55	2	6
65	1	1
75	1	1
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	1084.6	69.0
0° - 40°	1426.2	90.7
0° - 60°	1571.3	99.9
0° - 90°	1572.9	100.0
90° - 120°	0.0	0.0
90° - 130°	0.0	0.0
90° - 150°	0.0	0.0
90° - 180°	0.0	0.0
0° - 180°	1572.9	*100.0

*Efficiency

Mounting Height	Inital FC Center Beam	50% beam - 54.5° Diameter	50% beam - 54.5° FC	10% beam - 82.2° Diameter	10% beam - 82.2° FC
8.0	46.2	5.7	23.1	9.6	4.6
10.0	24.8	7.7	12.4	13.1	2.5
12.0	15.5	9.8	7.7	16.6	1.5
14.0	10.6	11.8	5.3	20.1	1.1
16.0	7.7	13.9	3.8	23.6	0.8

LDN6 35/30 LO6AR, input watts: 34.75, delivered lumens: 3138.5, LM/W = 90.31, spacing criterion at 0= 1.02, test no. ISF 30716P274.



	Ave	Lumens
0	2786	
5	2877	284
15	3087	855
25	2289	1025
35	1049	682
45	350	277
55	5	12
65	2	2
75	1	1
85	0	0
90	0	

Zone	Lumens	% Lamp
0° - 30°	2164.3	69.0
0° - 40°	2845.9	90.7
0° - 60°	3135.3	99.9
0° - 90°	3138.5	100.0
90° - 120°	0.0	0.0
90° - 130°	0.0	0.0
90° - 150°	0.0	0.0
90° - 180°	0.0	0.0
0° - 180°	3138.5	*100.0

*Efficiency

Mounting Height	Inital FC Center Beam	50% beam - 54.5° Diameter	50% beam - 54.5° FC	10% beam - 82.2° Diameter	10% beam - 82.2° FC
8.0	92.1	5.7	46.1	9.6	9.2
10.0	49.5	7.7	24.8	13.1	5.0
12.0	30.9	9.8	15.4	16.6	3.1
14.0	21.1	11.8	10.5	20.1	2.1
16.0	15.3	13.9	7.6	23.6	1.5

HOW TO ESTIMATE DELIVERED LUMENS IN EMERGENCY MODE

Use the formula below to estimate the delivered lumens in emergency mode

Delivered Lumens = 1.25 x P x LPW

P = Ouput power of emergency driver. P = 10W

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet.

The LPW rating is also available at Designlight Consortium.

LUMEN OUTPUT MULTIPLIERS - FINISH			
	Clear (AR)	**White (WR)**	**Black (BR)**
Specular (LS)	1.0	N/A	N/A
Semi-specular (LSS)	0.950	N/A	N/A
Matte diffuse (LD)	0.85	N/A	N/A
Painted	N/A	0.87	0.73

LUMEN OUTPUT MULTIPLIERS - CRI	
80	1.0
90	0.874

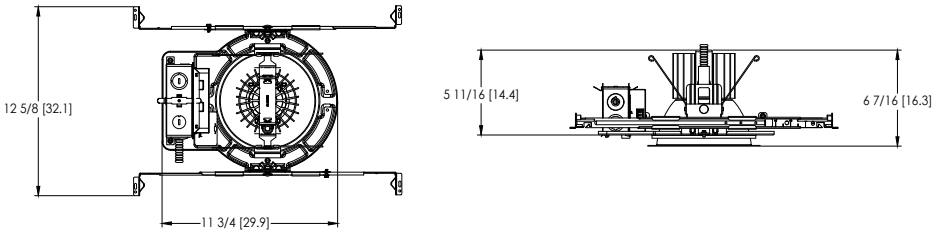
LUMEN OUTPUT MULTIPLIERS - CCT					
	2700K	**3000K**	**3500K**	**4000K**	**5000K**
80CRI	0.950	0.966	1.000	1.025	1.101

Notes

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- CRI: 80 typical.

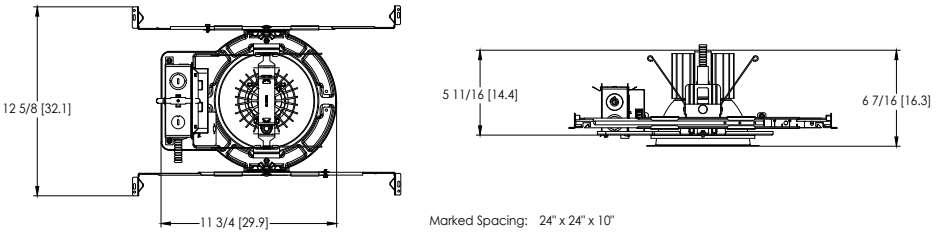
* All dimensions are inches (centimeters) unless otherwise noted.

LDN6 500-3000 Lumens



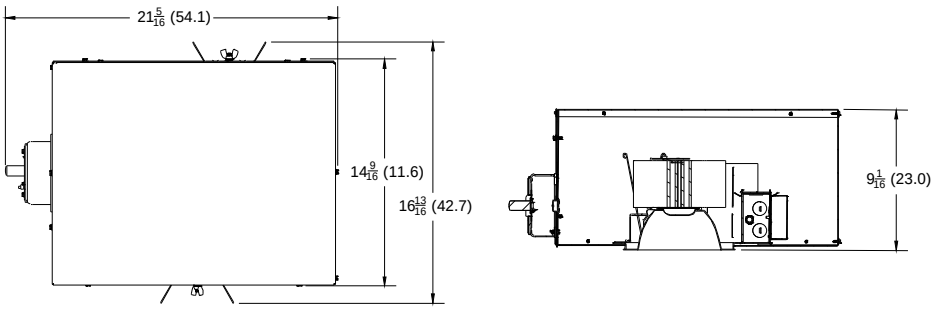
Aperture: Ø 6-1/4" [15.9]
Ceiling Cutout: Ø 7-1/8" [18.1] Self-flanged
Overlap Trim: Ø 7-1/2" [19.1]

LDN6 4000-5000 Lumens



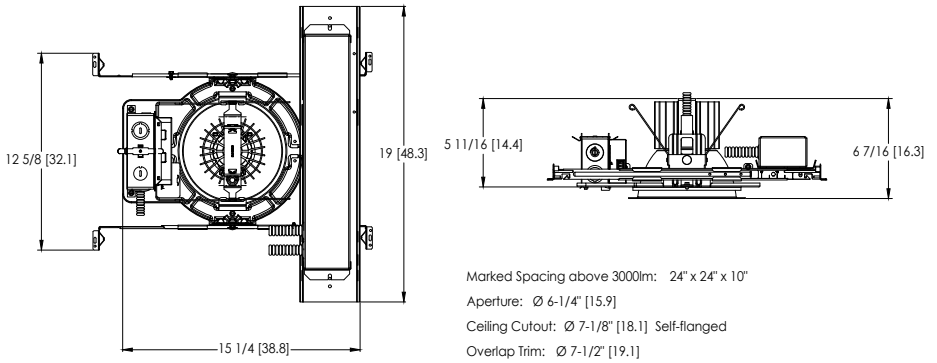
Marked Spacing: 24" x 24" x 10"
Aperture: Ø 6-1/4" [15.9]
Ceiling Cutout: Ø 7-1/8" [18.1] Self-flanged
Overlap Trim: Ø 7-1/2" [19.1]

LDN6 CP



Aperture: 6-1/4 (15.9)
Ceiling Opening: 7-1/8 (18.1)
Overlap Trim: 7-1/2 (19.1)

LDN6 EL



Marked Spacing above 3000lm: 24" x 24" x 10"
Aperture: Ø 6-1/4" [15.9]
Ceiling Cutout: Ø 7-1/8" [18.1] Self-flanged
Overlap Trim: Ø 7-1/2" [19.1]

Performance You Can Count On

SensorSwitch™ offers standalone wired and wireless lighting controls solutions designed for room-based applications. Our products offer reliable performance and ease of installation.

Sensorswitch.com

Wireless Embedded Controls

1. Install the luminaires with embedded controls
2. Insert the pairing tool into the pinhole on the wall switch; press and hold any button for 6 seconds.
3. Once paired, each fixture will individually dim down to 10% brightness. All products will be fully functional.

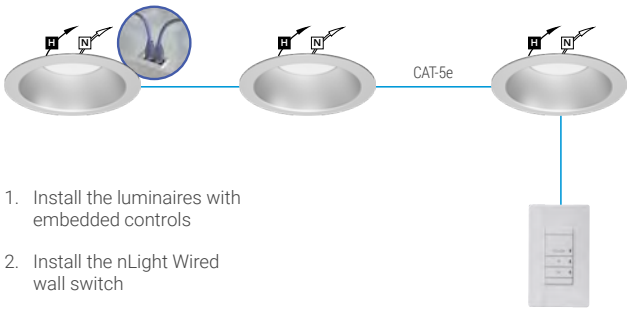
SensorSwitch
WSXA SSA

Single Lighting Controls Platform for Indoor & Outdoor Spaces

nLight® is your networked lighting controls platform, for indoor and outdoor applications, providing wired or wireless options. Scaling from room to campus-wide applications, it is the one platform that grows with your business today and tomorrow; to seamlessly address energy cost optimization, building code compliance, improved occupant comfort, and much more. nLight also interfaces with DALI®, BACnet®, DMX and additional third-party devices.

nLightcontrols.com

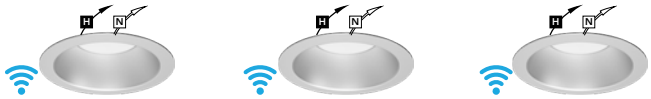
Wired Embedded Controls



nLight nPODMA DX

1. Install the luminaires with embedded controls
2. Install the nLight Wired wall switch
3. Connect the luminaires using standard CAT-5e cables and the controls devices will automatically discover each other and work (plug and play)

Wireless Embedded Controls



nLight rPODBA 2P DX

Mobile Device

1. Install the luminaires with embedded controls
2. Install the nLight AIR battery-powered wall switch
3. Use CL**AIR**ITY+ mobile app to pair the fixtures with the wall switch and if desired, customize the sensor settings

UL924 Sequence of Operation

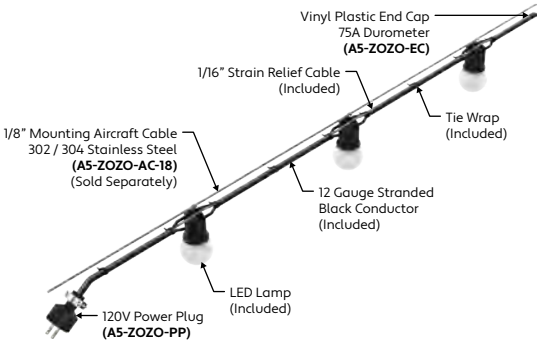
The below information applies to all nLight AIR devices with an EM option.

- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CLAIRITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.

ALUZ

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

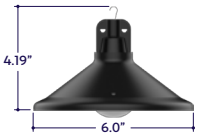
TYPE



CANOPY OPTIONS (Click Image to See Individual Submittal)

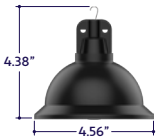
Round Canopy
(A5-ZOZO-RND)

Round Canopy + Cage
(A5-ZOZO-RNC)

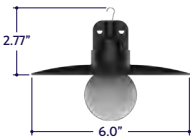


Cone Canopy
(A5-ZOZO-CON)

Cone Canopy + Cage
(A5-ZOZO-COC)



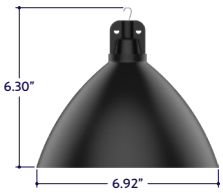
Bell Canopy
(A5-ZOZO-BLL)



Flat Canopy
(A5-ZOZO-FLT)

Mesh Canopy
(A5-ZOZO-MSH)

Barrel Canopy
(A5-ZOZO-BRL)



Hat Canopy
(A5-ZOZO-HAT)

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 ANSI/UL1598 CSA 22.2 No. 250.0-04, 2nd Edition
Options	Mesh, Canopies, or Cages
UV Rating	Sun Light Resistance
Installation Link	**Link to Installation Instructions** ›

ELECTRICAL

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

SPECIFY PRODUCT CODE | CHOOSE FROM DROP DOWNS

Series		Spacing	Lamp		Dimming	Listing	Luminaire Length
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.

1170 N Red Gum St, Anaheim, CA 92806

aluz.lighting info@aluz.lighting 866.ALUZ.LTG | 714.535.7900

ALUZ

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

TYPE

LAMP OPTIONS

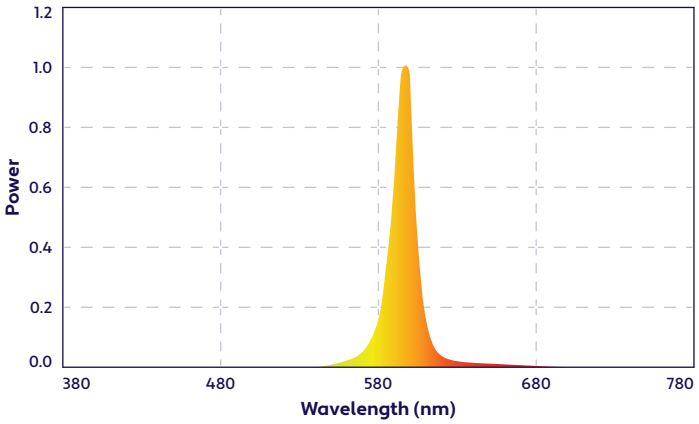
Lamp Image & Dimensions				
Lamp Name & Product Code	G-Shaped Lamp **(GSF)**	G-Shaped Filament Lamp **(GSFL)**	S-Shaped Lamp **(SSF)**	S-Shaped Clear Lamp **(SSC)**
Lamp Type	Standard LED	Filament LED	Standard LED	Standard LED
Material	Polymer Plastic	Shatterproof Glass	Polymer Plastic	Polymer Plastic
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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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)

Mounting Aircraft Cable, 1/8"Ø
302 / 304 Stainless Steel
(A5-ZOZO-AC-18-X) X = Specify Length

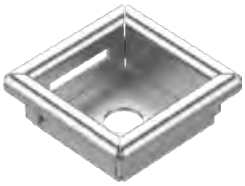
Part #	Length	Qty.
A5-ZOZO-AC-18-		

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

Cable Lock for 1/8"Ø Cable
Zinc Plated
(A5-ZOZO-CL-18)

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	

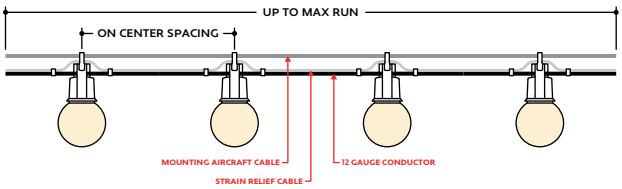
Note: Use Mounting Plates when mounting to a ceiling. Refer to installation instructions for details.

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

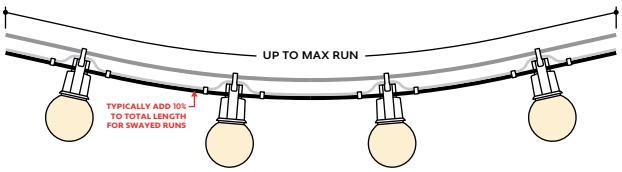
TYPE

DESIGN GUIDELINES

Straight Run

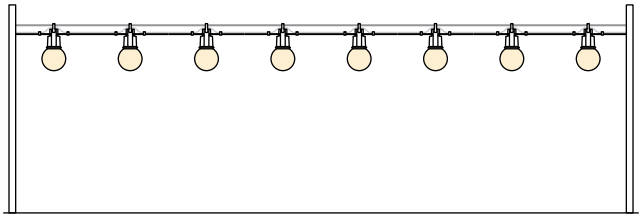


Swayed Run

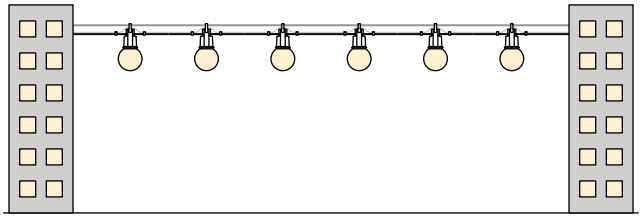


INSTALLATION OPTIONS

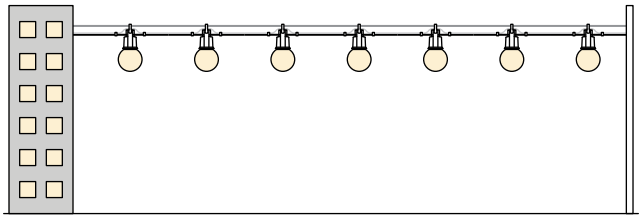
Pole to Pole



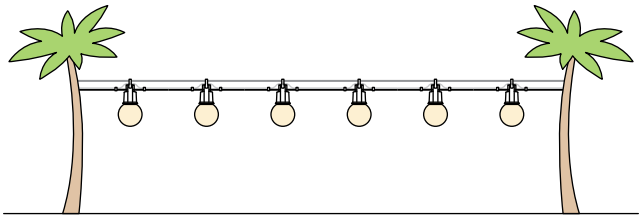
Building to Building



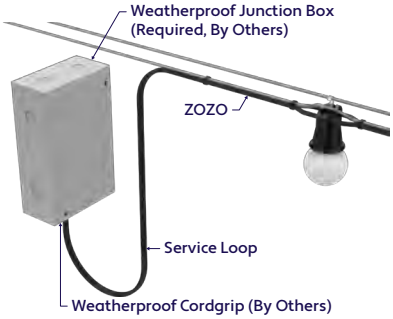
Building to Pole



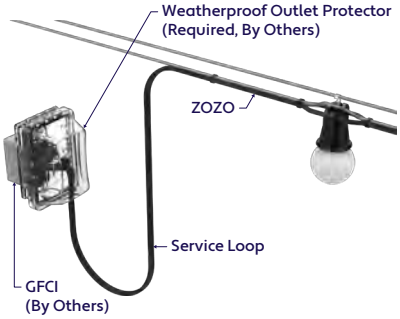
Tree to Tree



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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AREA & ROADWAY LIGHTING

Pacifica® - PT1 PLED

CONTEMPORARY, ROUND FORM POST TOP LUMINAIRE

PROJECT NAME:

PROJECT TYPE:

PAC-PT1

(PAC24-PT1 shown)

Luminaire

All housing components are all heavy wall cast aluminum alloy (A356 alloy, <0.2% copper). Removable internal heatsink provides direct mounting of the LED modules and thermal control for long life and efficiency. Optical aces through the aperture of housing top. Driver is accessed through fitter cap at strut base. All Hardware is stainless steel.

Post Top Mounting

Luminaire fitter mounts over 2-7/8" O.D. x 3.00" tenon. Stainless steel set screws provided for leveling and securing fixture over tenon.

PLED™ Optics

Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. LED optics completely seal each individual emitter to meet an IP66 rating. In asymmetric distributions, a micro-reflector inside the refractor re-directs the house side emitter output towards the street side, maximizing usable light. Optional house side shields are available that cover each individual optic. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. Any one Panel, or group of Panels in a luminaire, have the same optical pattern. LED refractors produce standard site/area distributions. Panels are field replaceable and field rotatable in 90° increments. Quick-disconnects are provided above each panel for fast field replacement. All fixture optical options will provide a "U0" no uplight optical package and are dark sky friendly.

Ambience™ Low Luminance Lens

Optional Ambience Lens (AL) provides low luminance reduced glare distributions. Lens diffuses the PLED Optics and provides a more uniform luminance across the aperture reducing glare at all angles. Lens is provided with an aluminum frame and is sealed to the housing with high temp gasketing.

LED Emitters

LED thermal management is designed to maintain LED operating temperature below 90 °C, well below the manufacturers thermal max of 150 °C for long life, high lumen maintenance and color stability. High Power White LED's are driven between 350mA and 875mA for a maximum output of 2.5 Watts nominal. LED's are available in standard Warm White (2700K & 3000K), Neutral White (4000K), and Cool White (5000K). All Standard LED's have a minimum of 70 CRI. Consult Factory for other LED options. Lumen Maintenance of L93 at 100,000 hours (TM-21 calculated at 6x Test Time).

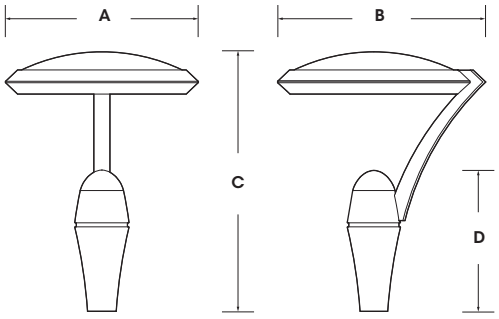
True Amber LED's TRA-True Amber LED's emit light in the amber spectral bandwidth centered on 585-590nm. True Amber has negligible blue light and is suitable for wildlife.

LED Driver

Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50/60Hz. 0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with a separate 20KV surge protector for field installation.

Finish

Super TGIC polyester powder coating is applied onto a metal substrate this has been pretreated with a four-stage process for maximum adhesion and color retention. The top coat is baked at 400° F for maximum hardness and exterior durability.



Front View Side View

Fixture	A	B	C	D
PAC24-PT1	24" 610mm	26" 660mm	32" 813mm	17.5" 445mm
PAC18-PT1	19" 483mm	20.5" 521mm	25" 635mm	14" 356mm

U.L. Listed for Wet Location

BABA COMPLIANT

2023087

U.S. Pole Company Inc
An Employee Owned Company
660 West Avenue O, Palmdale, CA 93551
Phone (661) 233-2000 www.usaltg.com

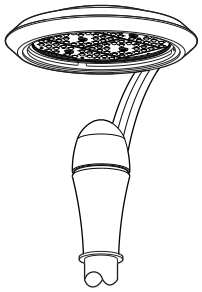
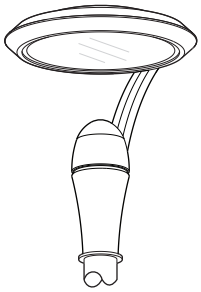
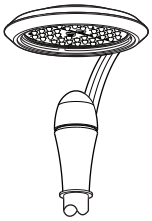
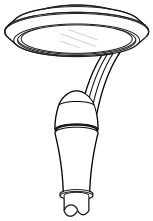
MADE IN THE USA

U.S. ARCHITECTURAL LIGHTING

PAC-PT1 SERIES - PLED

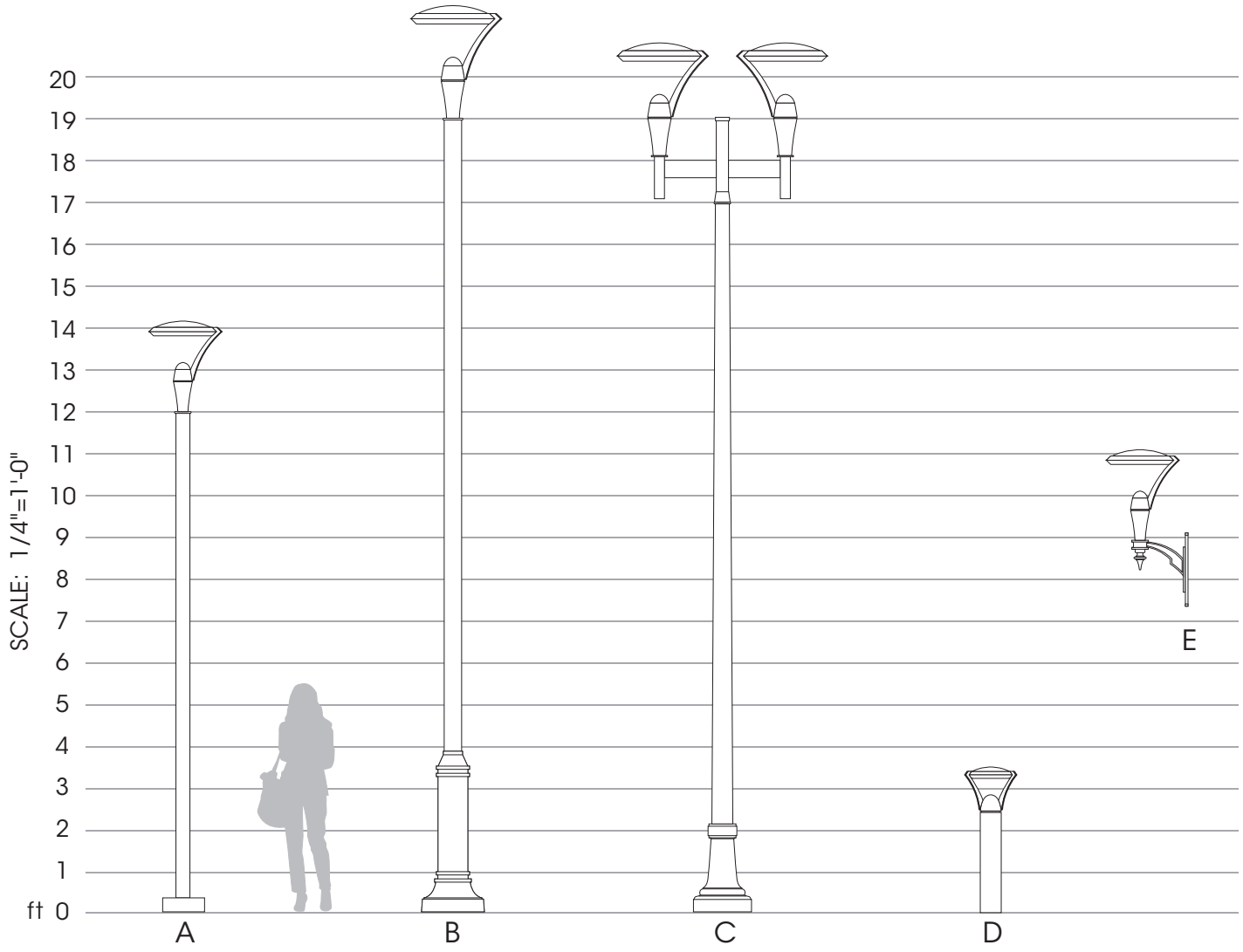
PRODUCT CONFIGURATIONS

EPA & WEIGHT

No Lens	w/ Ambience™ Low Luminance Lens
	
PAC24-PT1 Max Weight = 60 lbs Max EPA = 1.26 80 LED Max	**PAC24-PT1-AL** Max Weight = 60 lbs Max EPA = 1.26 80 LED Max
	
PAC18-PT1 Max Weight = 42 lbs Max EPA = 0.81 48 LED Max	**PAC18-PT1-AL** Max Weight = 42 lbs Max EPA = 0.81 48 LED Max

PAC-PT1 SERIES - PLED

SAMPLE ASSEMBLIES



A. RNTA-124-125/PT/PAC18-PT1/LED/ACCESSORIES/FINISH

B. 43SB-RTNA-195-188/PT/PAC24-PT1/LED/ACCESSORIES/FINISH

C. 75-1046T-17'-0"/XAO-2-180/PAC24-PT1/LED/ACCESSORIES/FINISH

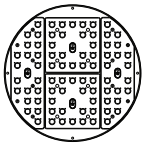
D. PACB/LED/ACCESSORIES/FINISH

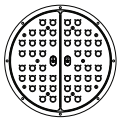
E. XAZ-UP-WM/PAC18-PT1/LED/ACCESSORIES/FINISH

Sample Assemblies show a small offering of the Sun Valley Line of Poles, Bases, Shafts, Arms, & Luminaires. Please visit usaltg.com for the full product offering.

PAC-PT1 SERIES - PLED

PLED™ MODULES


80 LED Module


48 LED Module


36 LED Module


20 LED Module

ORDERING INFORMATION

Spec/Order Example: PAC24-PT1/PLED-II/36LED-525mA/27K/UNV/RAL-9005-S/TPR7

Luminaire	Optics	LED Mode	Voltage	Finish	Options

Luminaire

- ☐ **PAC24-PT1**
- ☐ **PAC18-PT1**

Optics

PLED™ Distribution Type

For NL Options:

- ☐ **PLED-II**
- ☐ **PLED-II-FR**
- ☐ **PLED-II-ML**
- ☐ **PLED-III**
- ☐ **PLED-III-W**
- ☐ **PLED-IV**
- ☐ **PLED-IV-FT**
- ☐ **PLED-V-SQ-N**
- ☐ **PLED-V-SQ-M**
- ☐ **PLED-V-SQ-W**

Ambience™ Lens Option[4]:

- ☐ **AL-ASY**
- ☐ **AL-ASY-HS**
- ☐ **AL-SYM**

LED

# of LEDs	Drive Current	Color Temp - CCT
☐ **80LED**[1]	☐ **875mA**	☐ **27K** (2700K)
☐ **48LED**	☐ **700mA**	☐ **30K** (3000K)
☐ **36LED**	☐ **525mA**	☐ **40K** (4000K)
☐ **20LED**[2]	☐ **350mA**	☐ **50K** (5000K)
	☐ **175mA**	☐ **TRA**[3] True Amber

NOTES:

1 - 80LED available in PAC24-PT1 only

2 - 20LED available in PAC18-PT1 only

3 - TRA available in 350mA & 525mA Drive Currents only

4 - Ambience Lens available in PAC24-PT1 (80LED) and PAC18-PT1 (48LED) only

Consult factory for other CCT, CRI, & Drive Current options

Voltage

- ☐ **UNV** (120-277)
- ☐ **347**
- ☐ **480**

Finish

Standard Textured Finish

- ☐ Black **RAL-9005-T**
- ☐ White **RAL-9003-T**
- ☐ Grey **RAL-7004-T**
- ☐ Dark Bronze **RAL-8019-T**
- ☐ Green **RAL-6005-T**

Premium Finishes

- ☐ Rust
- ☐ Patina Copper **PC**

For smooth finish replace suffix "T" with suffix "S" (Example: RAL-9500-S)

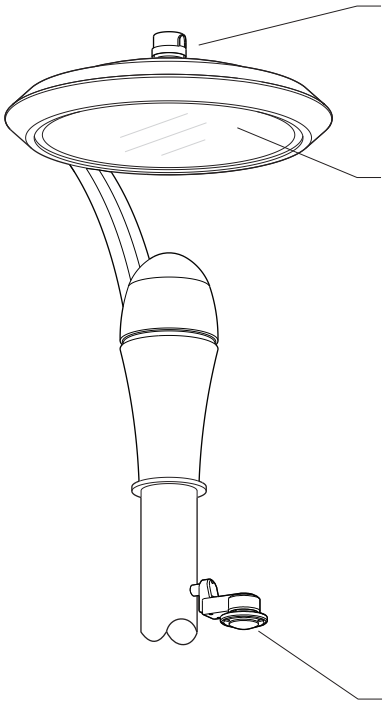
Consult factor for custom colors

Options

- ☐ Internal House Side Shield incl. LED Count (Example: HS-PLED/48) **HS-PLED**
- ☐ Twist Lock Receptable Only **TPR**
- ☐ 7-Pin Twist Lock Receptable Only **TPR7**
- ☐ High-Low Dimming for Switch by Others/Select Levels 50/100 or 25/100 (Example: HLSW/25) **HLSW**
- ☐ Twist Lock Photocell + Voltage (Example: TPC347V) **TPC+V**
- ☐ Photocell + Voltage (Example: PC120V) **PC+V**
- ☐ Single Fuse (Example: DF277V) **SF+V**
- ☐ Double Fuse (Example: DF240V) **DF+V**
- ☐ Blue-Tooth Programmable Photo/Motion Sensor (Factory - Motion 50/100; Photo 75fc) **MS-F311**

PAC-PT1 SERIES - PLED

OPTIONS



Optional: PHOTOCELL SENSOR (TPC+V),
3-PIN RECEPTACLE (TPR) or
7-PIN RECEPTACLE (TPR7)
TPR = TWIST LOCK PHOTOCELL RECEPTACLE

Ambience™ LOW LUMINANCE LENS

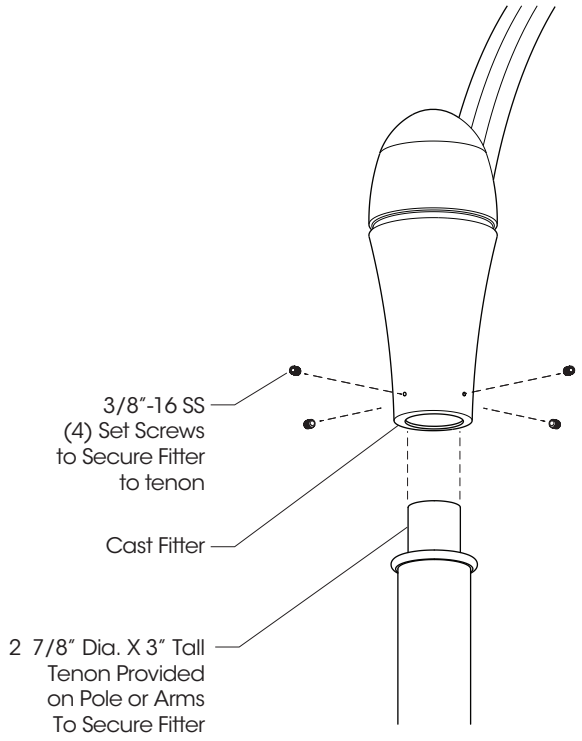
POLE MOUNTED MS-F311 BLUETOOTH PHOTO/MOTION SENSOR

Factory Settings:
No Motion - 50%
Motion - 100%
Delay - 15 min.
Photocell - 75fc

Sensors can be Field Programmed With Bluetooth App

Coupling Provided on Pole to Secure Motion Sensor.

INSTALLATION DETAIL



High Low Dimming For Switches (HLSW)
The HLSW is a small Electronic Switch which provides High Low Dimming Control through the LED Driver's 0-10V Control. Switching is done by adding a seconday AC Switched Hot Trigger Line to the HLSW in addition to the normal AC Power Line. When the Secondary Trigger Line is powered, the Fixture will go to 100% dimming. With no power to the Trigger, the Fixture will operate at 50% or 25% dimming. Switches for the Trigger Line can be a normal AC Switch/Breaker or Timed Switch/Breaker.

Wireless and Other Fixture Controls
Contact factory for Wireless and other Fixture Controls and recomendations. Most Controls can be integrated and factory Installed.

PAC-PT1 SERIES - PLED

PHOTOMETRIC DATA GUIDE - LM-80 LUMEN MAINTENANCE

LED LUMEN MAINTENANCE (350mA to 875mA)		
LED Life / Operating Hours	**Lumen Depreciation**	**Lumen Depreciation Scale Factor**
60,000	L96	0.96x
100,000 (6X LED Test Hrs)	L93	0.93x
150,000 (Theoretical)	L89	0.90x
200,000 (Theoretical)	L86	0.87x

TM-21 6x Test Time Dicatates that L93 > 100,000 Hours.

Lumen Depreciation Calculations Done in Accordance With IESNA TM-21 & LM-80 (25°C Ambient)

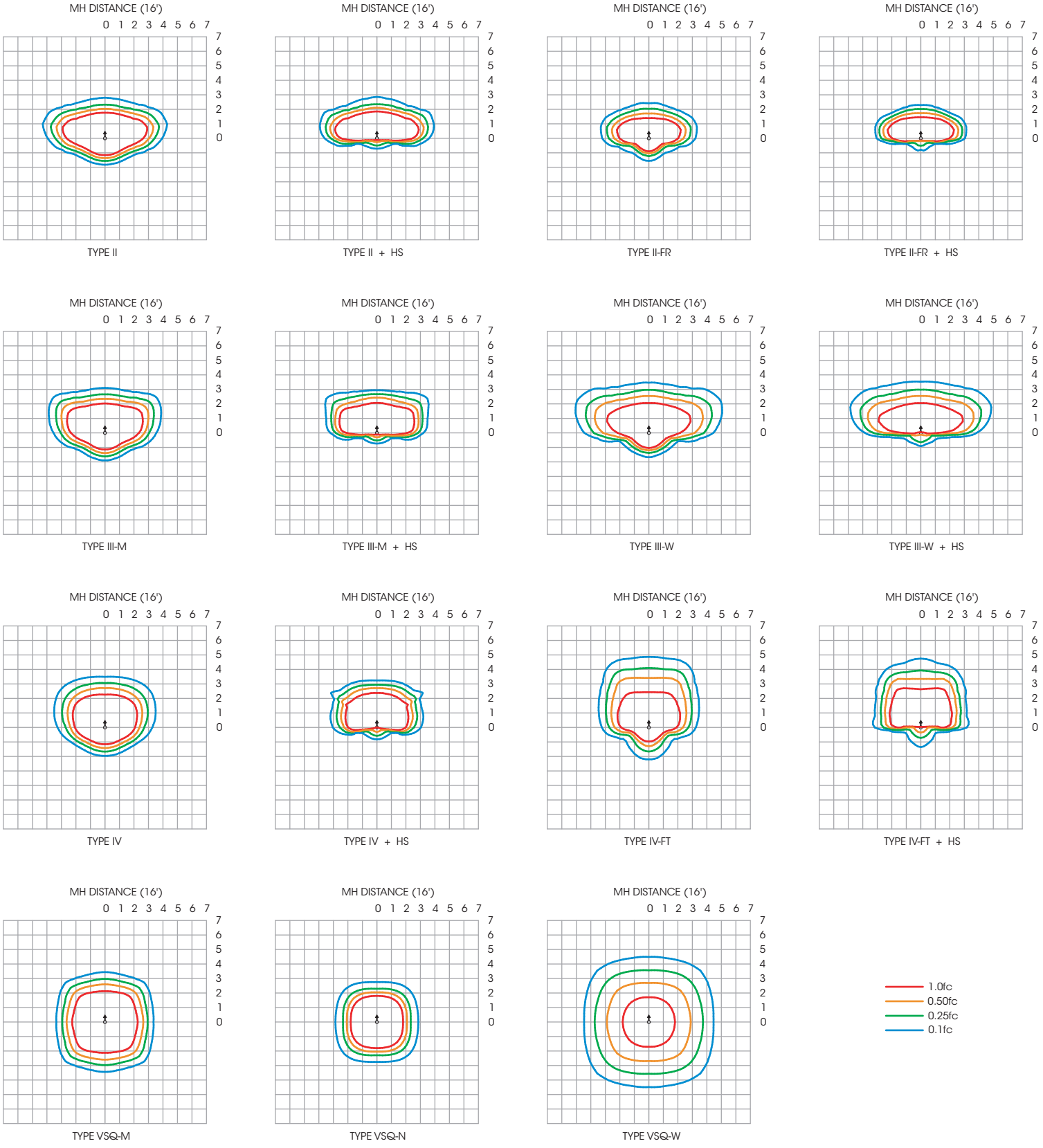
ELECTRICAL DATA GUIDE - AMPERAGE CHART

# of LEDs	mA	System Watts	120V	208V	277V	347V	480V
20	350	23.6	0.20	0.11	0.09	0.07	0.05
20	525	35.5	0.30	0.17	0.13	0.10	0.07
20	700	47.0	0.39	0.23	0.17	0.14	0.10
20	875	58.4	0.49	0.28	0.21	0.17	0.12
36	350	41.3	0.34	0.20	0.15	0.12	0.09
36	525	62.0	0.52	0.30	0.22	0.18	0.13
36	700	82.6	0.69	0.40	0.30	0.24	0.17
36	875	103.1	0.86	0.50	0.37	0.30	0.21
48	175	26.5	0.22	0.13	0.10	0.08	0.06
48	350	53.6	0.45	0.26	0.19	0.15	0.11
48	525	80.7	0.67	0.39	0.29	0.23	0.17
48	700	108.0	0.90	0.52	0.39	0.31	0.23
48	875	134.7	1.12	0.65	0.49	0.39	0.28
80	175	41.9	0.35	0.20	0.15	0.12	0.09
80	350	85.8	0.72	0.41	0.31	0.25	0.18
80	525	129.7	1.08	0.62	0.47	0.37	0.27
80	700	173.5	1.45	0.83	0.63	0.50	0.36
80	875	221.5	1.85	1.06	0.80	0.64	0.46

PAC-PT1 SERIES - PLED

PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS

PAC18-PT-PLED-36LED-700mA-40K - 16 Mounting Height (14' Pole)



PAC-PT1 SERIES - PLED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (PAC-PT-PLED)

PAC18-PT-PLED

LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
20	350	23.6	II	3152	134	B1-U0-G1	3288	139	B1-U0-G1	3426	145	B1-U0-G1	3563	151	B1-U0-G1	18.2	1096	60	B0-U0-G0
			II-FR	3173	134	B1-U0-G1	3311	140	B1-U0-G1	3449	146	B1-U0-G1	3587	152	B1-U0-G1		1104	61	B0-U0-G0
			III-M	3207	136	B1-U0-G1	3346	142	B1-U0-G1	3486	148	B1-U0-G1	3625	154	B1-U0-G1		1115	61	B0-U0-G0
			III-W	2978	126	B1-U0-G1	3107	132	B1-U0-G1	3237	137	B1-U0-G1	3366	143	B1-U0-G1		1036	57	B0-U0-G1
			IV	3183	135	B1-U0-G1	3321	141	B1-U0-G1	3459	147	B1-U0-G1	3598	152	B1-U0-G1		1107	61	B0-U0-G0
			IV-FT	2899	123	B1-U0-G1	3025	128	B1-U0-G1	3151	134	B1-U0-G1	3277	139	B1-U0-G1		1008	55	B0-U0-G1
			VSQ-N	3327	141	B2-U0-G0	3472	147	B2-U0-G0	3616	153	B2-U0-G0	3761	159	B2-U0-G0		1157	64	B1-U0-G0
			VSQ-M	3262	138	B2-U0-G1	3404	144	B2-U0-G1	3546	150	B2-U0-G1	3688	156	B2-U0-G1		1135	62	B1-U0-G0
			VSQ-W	3184	135	B2-U0-G1	3322	141	B2-U0-G1	3461	147	B3-U0-G1	3600	153	B3-U0-G1		1108	61	B1-U0-G1
			II-HS	2305	98	B0-U0-G1	2405	102	B0-U0-G1	2505	106	B0-U0-G1	2606	110	B0-U0-G1		802	44	B0-U0-G0
			II-FR-HS	2345	99	B0-U0-G0	2447	104	B0-U0-G0	2549	108	B0-U0-G0	2651	112	B0-U0-G0		816	45	B0-U0-G0
			III-M-HS	2332	99	B0-U0-G1	2433	103	B0-U0-G1	2535	107	B0-U0-G1	2636	112	B0-U0-G1		811	45	B0-U0-G0
			III-W-HS	2282	97	B0-U0-G1	2382	101	B0-U0-G1	2481	105	B0-U0-G1	2580	109	B0-U0-G1		794	44	B0-U0-G1
			IV-HS	2409	102	B0-U0-G1	2513	106	B0-U0-G1	2618	111	B0-U0-G1	2722	115	B0-U0-G1		838	46	B0-U0-G0
			IV-FT-HS	2277	96	B0-U0-G1	2376	101	B0-U0-G1	2475	105	B0-U0-G1	2574	109	B0-U0-G1		792	44	B0-U0-G1
20	525	35.5	II	4481	126	B1-U0-G1	4676	132	B1-U0-G1	4871	137	B1-U0-G1	5066	143	B1-U0-G1	27.3	1266	46	B1-U0-G0
			II-FR	4511	127	B1-U0-G1	4707	133	B1-U0-G1	4904	138	B1-U0-G1	5100	144	B1-U0-G1		1275	47	B1-U0-G0
			III-M	4560	128	B1-U0-G1	4758	134	B1-U0-G1	4956	140	B1-U0-G1	5154	145	B1-U0-G1		1288	47	B0-U0-G0
			III-W	4234	119	B1-U0-G2	4418	124	B1-U0-G2	4602	130	B1-U0-G2	4786	135	B1-U0-G2		1196	44	B0-U0-G1
			IV	4525	127	B1-U0-G1	4722	133	B1-U0-G1	4919	139	B1-U0-G1	5116	144	B1-U0-G1		1279	47	B0-U0-G1
			IV-FT	4123	116	B1-U0-G2	4302	121	B1-U0-G2	4481	126	B1-U0-G2	4660	131	B1-U0-G2		1165	43	B0-U0-G1
			VSQ-N	4730	133	B2-U0-G1	4935	139	B2-U0-G1	5141	145	B2-U0-G1	5347	151	B2-U0-G1		1337	49	B1-U0-G0
			VSQ-M	4638	131	B3-U0-G1	4839	136	B3-U0-G1	5041	142	B3-U0-G1	5243	148	B3-U0-G1		1311	48	B1-U0-G0
			VSQ-W	4528	128	B3-U0-G2	4725	133	B3-U0-G2	4921	139	B3-U0-G2	5118	144	B3-U0-G2		1279	47	B1-U0-G1
			II-HS	3278	92	B0-U0-G1	3420	96	B0-U0-G1	3563	100	B0-U0-G1	3705	104	B0-U0-G1		926	34	B0-U0-G0
			II-FR-HS	3334	94	B0-U0-G1	3479	98	B0-U0-G1	3624	102	B0-U0-G1	3768	106	B0-U0-G1		942	35	B0-U0-G0
			III-M-HS	3316	93	B0-U0-G1	3460	97	B0-U0-G1	3604	102	B0-U0-G1	3748	106	B0-U0-G1		937	34	B0-U0-G0
			III-W-HS	3246	91	B0-U0-G1	3387	95	B0-U0-G1	3528	99	B0-U0-G1	3669	103	B0-U0-G2		917	34	B0-U0-G1
			IV-HS	3425	96	B0-U0-G1	3574	101	B0-U0-G1	3722	105	B0-U0-G1	3871	109	B0-U0-G1		968	35	B0-U0-G0
			IV-FT-HS	3237	91	B0-U0-G2	3377	95	B0-U0-G2	3518	99	B0-U0-G2	3659	103	B0-U0-G2		915	34	B0-U0-G1
20	700	47.0	II	5637	120	B1-U0-G1	5882	125	B2-U0-G1	6127	130	B2-U0-G1	6372	136	B2-U0-G2	N/A	N/A		
			II-FR	5674	121	B2-U0-G1	5921	126	B2-U0-G1	6168	131	B2-U0-G1	6414	136	B2-U0-G1				
			III-M	5735	122	B1-U0-G2	5984	127	B1-U0-G2	6234	133	B2-U0-G2	6483	138	B2-U0-G2				
			III-W	5325	113	B1-U0-G2	5556	118	B1-U0-G2	5788	123	B1-U0-G2	6019	128	B1-U0-G2				
			IV	5692	121	B1-U0-G1	5939	126	B1-U0-G2	6187	132	B2-U0-G2	6435	137	B2-U0-G2				
			IV-FT	5185	110	B1-U0-G2	5410	115	B1-U0-G2	5636	120	B1-U0-G2	5861	125	B1-U0-G2				
			VSQ-N	5949	127	B2-U0-G1	6208	132	B2-U0-G1	6466	138	B2-U0-G1	6725	143	B2-U0-G1				
			VSQ-M	5834	124	B3-U0-G1	6088	130	B3-U0-G1	6341	135	B3-U0-G1	6595	140	B3-U0-G1				
			VSQ-W	5694	121	B3-U0-G2	5942	126	B3-U0-G2	6189	132	B3-U0-G2	6437	137	B3-U0-G2				
			II-HS	4122	88	B0-U0-G1	4302	92	B0-U0-G1	4481	95	B0-U0-G1	4660	99	B1-U0-G1				
			II-FR-HS	4193	89	B0-U0-G1	4376	93	B0-U0-G1	4558	97	B0-U0-G1	4740	101	B0-U0-G1				
			III-M-HS	4170	89	B0-U0-G1	4351	93	B0-U0-G2	4533	96	B0-U0-G2	4714	100	B0-U0-G2				
			III-W-HS	4082	87	B0-U0-G2	4259	91	B0-U0-G2	4437	94	B0-U0-G2	4614	98	B0-U0-G2				
			IV-HS	4308	92	B0-U0-G1	4495	96	B0-U0-G1	4682	100	B0-U0-G2	4869	104	B0-U0-G2				
			IV-FT-HS	4071	87	B0-U0-G2	4248	90	B0-U0-G2	4425	94	B0-U0-G2	4602	98	B0-U0-G2				
20	875	58.4	II	6639	114	B2-U0-G2	6928	119	B2-U0-G2	7216	124	B2-U0-G2	7505	129	B2-U0-G2	N/A	N/A		
			II-FR	6683	114	B2-U0-G1	6974	119	B2-U0-G1	7264	124	B2-U0-G1	7555	129	B2-U0-G1				
			III-M	6755	116	B2-U0-G2	7048	121	B2-U0-G2	7342	126	B2-U0-G2	7636	131	B2-U0-G2				
			III-W	6272	107	B1-U0-G2	6545	112	B1-U0-G2	6817	117	B1-U0-G2	7090	121	B1-U0-G2				
			IV	6704	115	B2-U0-G2	6996	120	B2-U0-G2	7287	125	B2-U0-G2	7579	130	B2-U0-G2				
			IV-FT	6107	105	B1-U0-G2	6373	109	B1-U0-G2	6638	114	B1-U0-G2	6904	118	B1-U0-G2				
			VSQ-N	7007	120	B2-U0-G1	7312	125	B2-U0-G1	7617	130	B2-U0-G1	7921	136	B3-U0-G1				
			VSQ-M	6871	118	B3-U0-G1	7170	123	B3-U0-G1	7469	128	B3-U0-G1	7767	133	B3-U0-G2				
			VSQ-W	6707	115	B3-U0-G2	6999	120	B3-U0-G2	7290	125	B3-U0-G2	7582	130	B3-U0-G2				
			II-HS	4855	83	B1-U0-G2	5066	87	B1-U0-G2	5278	90	B1-U0-G2	5489	94	B1-U0-G2				
			II-FR-HS	4939	85	B0-U0-G1	5154	88	B0-U0-G1	5368	92	B0-U0-G1	5583	96	B0-U0-G1				
			III-M-HS	4912	84	B0-U0-G2	5126	88	B0-U0-G2	5339	91	B0-U0-G2	5553	95	B0-U0-G2				
			III-W-HS	4808	82	B0-U0-G2	5017	86	B0-U0-G2	5226	89	B0-U0-G2	5436	93	B0-U0-G2				
			IV-HS	5074	87	B0-U0-G2	5295	91	B0-U0-G2	5515	94	B0-U0-G2	5735	98	B0-U0-G2				
			IV-FT-HS	4795	82	B0-U0-G2	5003	86	B0-U0-G2	5212	89	B0-U0-G2	5420	93	B0-U0-G2				

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PAC-PT1 SERIES - PLED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (PAC-PT-PLED)

PAC18-PT-PLED

LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
36	350	41.3	II	5529	134	B1-U0-G1	5769	140	B2-U0-G1	6010	146	B2-U0-G1	6250	151	B2-U0-G1	31.8	1923	60	B1-U0-G1
			II-FR	5567	135	B1-U0-G1	5809	141	B2-U0-G1	6051	147	B2-U0-G1	6293	152	B2-U0-G1		1936	61	B1-U0-G0
			III-M	5626	136	B1-U0-G1	5871	142	B1-U0-G2	6115	148	B1-U0-G2	6360	154	B2-U0-G2		1957	62	B1-U0-G1
			III-W	5224	126	B1-U0-G2	5451	132	B1-U0-G2	5678	137	B1-U0-G2	5905	143	B1-U0-G2		1817	57	B1-U0-G1
			IV	5584	135	B1-U0-G1	5826	141	B1-U0-G1	6069	147	B2-U0-G2	6312	153	B2-U0-G2		1942	61	B1-U0-G1
			IV-FT	5086	123	B1-U0-G2	5307	129	B1-U0-G2	5529	134	B1-U0-G2	5750	139	B1-U0-G2		1769	56	B1-U0-G1
			VSQ-N	5837	141	B2-U0-G1	6091	147	B2-U0-G1	6344	154	B2-U0-G1	6598	160	B2-U0-G1		2030	64	B1-U0-G0
			VSQ-M	5723	139	B3-U0-G1	5972	145	B3-U0-G1	6221	151	B3-U0-G1	6469	157	B3-U0-G1		1991	63	B1-U0-G0
			VSQ-W	5586	135	B3-U0-G2	5829	141	B3-U0-G2	6072	147	B3-U0-G2	6315	153	B3-U0-G2		1943	61	B2-U0-G1
			II-HS	4044	98	B0-U0-G1	4220	102	B0-U0-G1	4395	106	B0-U0-G1	4571	111	B1-U0-G1		1407	44	B0-U0-G0
			II-FR-HS	4114	100	B0-U0-G1	4293	104	B0-U0-G1	4471	108	B0-U0-G1	4650	113	B0-U0-G1		1431	45	B0-U0-G0
			III-M-HS	4091	99	B0-U0-G1	4269	103	B0-U0-G2	4447	108	B0-U0-G2	4624	112	B0-U0-G2		1423	45	B0-U0-G0
			III-W-HS	4005	97	B0-U0-G2	4178	101	B0-U0-G2	4353	105	B0-U0-G2	4527	110	B0-U0-G2		1393	44	B0-U0-G1
			IV-HS	4225	102	B0-U0-G1	4409	107	B0-U0-G1	4592	111	B0-U0-G1	4776	116	B0-U0-G2		1470	46	B0-U0-G0
			IV-FT-HS	3994	97	B0-U0-G2	4167	101	B0-U0-G2	4341	105	B0-U0-G2	4515	109	B0-U0-G2		1389	44	B0-U0-G1
36	525	62.0	II	7862	127	B2-U0-G2	8204	132	B2-U0-G2	8545	138	B2-U0-G2	8887	143	B2-U0-G2	47.7	2222	47	B1-U0-G1
			II-FR	7915	128	B2-U0-G1	8259	133	B2-U0-G1	8603	139	B2-U0-G1	8947	144	B2-U0-G1		2237	47	B1-U0-G0
			III-M	7999	129	B2-U0-G2	8347	135	B2-U0-G2	8695	140	B2-U0-G2	9043	146	B2-U0-G2		2261	47	B1-U0-G1
			III-W	7428	120	B1-U0-G2	7751	125	B1-U0-G2	8074	130	B2-U0-G2	8397	135	B2-U0-G2		2099	44	B1-U0-G1
			IV	7939	128	B2-U0-G2	8284	134	B2-U0-G2	8630	139	B2-U0-G2	8975	145	B2-U0-G2		2244	47	B1-U0-G1
			IV-FT	7232	117	B2-U0-G2	7547	122	B2-U0-G2	7861	127	B2-U0-G2	8176	132	B2-U0-G2		2044	43	B1-U0-G1
			VSQ-N	8297	134	B3-U0-G1	8658	140	B3-U0-G1	9019	145	B3-U0-G1	9380	151	B3-U0-G1		2345	49	B1-U0-G0
			VSQ-M	8137	131	B3-U0-G2	8491	137	B3-U0-G2	8844	143	B3-U0-G2	9198	148	B3-U0-G2		2299	48	B2-U0-G1
			VSQ-W	7943	128	B3-U0-G2	8289	134	B3-U0-G2	8634	139	B4-U0-G2	8980	145	B4-U0-G2		2245	47	B2-U0-G1
			II-HS	5750	93	B1-U0-G2	6000	97	B1-U0-G2	6250	101	B1-U0-G2	6500	105	B1-U0-G2		1625	34	B0-U0-G0
			II-FR-HS	5849	94	B1-U0-G1	6103	98	B1-U0-G1	6357	103	B1-U0-G1	6611	107	B1-U0-G1		1653	35	B0-U0-G0
			III-M-HS	5817	94	B0-U0-G2	6069	98	B0-U0-G2	6322	102	B0-U0-G2	6575	106	B0-U0-G2		1644	34	B0-U0-G1
			III-W-HS	5694	92	B0-U0-G2	5941	96	B0-U0-G2	6189	100	B0-U0-G2	6436	104	B0-U0-G2		1609	34	B0-U0-G1
			IV-HS	6008	97	B0-U0-G2	6269	101	B0-U0-G2	6530	105	B0-U0-G2	6791	110	B0-U0-G2		1698	36	B0-U0-G1
			IV-FT-HS	5678	92	B0-U0-G2	5925	96	B0-U0-G2	6172	100	B0-U0-G2	6419	104	B0-U0-G2		1605	34	B0-U0-G1
36	700	82.6	II	9889	120	B2-U0-G2	10319	125	B2-U0-G2	10749	130	B2-U0-G2	11179	135	B2-U0-G2	N/A	N/A		
			II-FR	9955	121	B2-U0-G1	10388	126	B2-U0-G1	10820	131	B2-U0-G1	11253	136	B3-U0-G1				
			III-M	10061	122	B2-U0-G2	10499	127	B2-U0-G2	10936	132	B2-U0-G2	11374	138	B2-U0-G2				
			III-W	9342	113	B2-U0-G3	9748	118	B2-U0-G3	10154	123	B2-U0-G3	10560	128	B2-U0-G3				
			IV	9986	121	B2-U0-G2	10420	126	B2-U0-G2	10854	131	B2-U0-G2	11289	137	B2-U0-G2				
			IV-FT	9096	110	B2-U0-G3	9492	115	B2-U0-G3	9887	120	B2-U0-G3	10283	124	B2-U0-G3				
			VSQ-N	10437	126	B3-U0-G1	10890	132	B3-U0-G1	11344	137	B3-U0-G1	11798	143	B3-U0-G1				
			VSQ-M	10235	124	B3-U0-G2	10680	129	B4-U0-G2	11125	135	B4-U0-G2	11570	140	B4-U0-G2				
			VSQ-W	9990	121	B4-U0-G3	10425	126	B4-U0-G3	10859	131	B4-U0-G3	11294	137	B4-U0-G3				
			II-HS	7232	88	B1-U0-G2	7547	91	B1-U0-G2	7861	95	B1-U0-G2	8175	99	B1-U0-G2				
			II-FR-HS	7356	89	B1-U0-G1	7676	93	B1-U0-G1	7996	97	B1-U0-G1	8315	101	B1-U0-G1				
			III-M-HS	7316	89	B0-U0-G2	7634	92	B1-U0-G2	7952	96	B1-U0-G2	8270	100	B1-U0-G2				
			III-W-HS	7161	87	B0-U0-G2	7472	90	B0-U0-G2	7784	94	B0-U0-G2	8095	98	B1-U0-G2				
			IV-HS	7557	91	B1-U0-G2	7886	95	B1-U0-G2	8214	99	B1-U0-G2	8542	103	B1-U0-G2				
			IV-FT-HS	7142	86	B1-U0-G3	7453	90	B1-U0-G3	7763	94	B1-U0-G3	8074	98	B1-U0-G3				
36	875	103.1	II	11647	113	B2-U0-G2	12154	118	B2-U0-G2	12660	123	B2-U0-G2	13166	128	B2-U0-G2	N/A	N/A		
			II-FR	11725	114	B3-U0-G1	12235	119	B3-U0-G1	12744	124	B3-U0-G1	13254	129	B3-U0-G1				
			III-M	11851	115	B2-U0-G2	12366	120	B2-U0-G2	12881	125	B2-U0-G2	13396	130	B2-U0-G2				
			III-W	11003	107	B2-U0-G3	11482	111	B2-U0-G3	11960	116	B2-U0-G3	12438	121	B2-U0-G3				
			IV	11762	114	B2-U0-G2	12273	119	B2-U0-G2	12784	124	B2-U0-G2	13296	129	B2-U0-G2				
			IV-FT	10715	104	B2-U0-G3	11180	108	B2-U0-G3	11646	113	B2-U0-G3	12112	117	B2-U0-G3				
			VSQ-N	12294	119	B3-U0-G1	12828	124	B3-U0-G1	13363	130	B3-U0-G1	13897	135	B3-U0-G1				
			VSQ-M	12054	117	B4-U0-G2	12578	122	B4-U0-G2	13102	127	B4-U0-G2	13627	132	B4-U0-G2				
			VSQ-W	11767	114	B4-U0-G3	12278	119	B4-U0-G3	12790	124	B4-U0-G3	13302	129	B4-U0-G3				
			II-HS	8518	83	B1-U0-G2	8889	86	B1-U0-G2	9259	90	B1-U0-G2	9629	93	B1-U0-G2				
			II-FR-HS	8665	84	B1-U0-G1	9042	88	B1-U0-G1	9418	91	B1-U0-G1	9795	95	B1-U0-G1				
			III-M-HS	8618	84	B1-U0-G2	8992	87	B1-U0-G2	9367	91	B1-U0-G2	9741	94	B1-U0-G2				
			III-W-HS	8436	82	B1-U0-G2	8802	85	B1-U0-G2	9169	89	B1-U0-G2	9536	92	B1-U0-G3				
			IV-HS	8901	86	B1-U0-G2	9288	90	B1-U0-G2	9675	94	B1-U0-G2	10062	98	B1-U0-G2				
			IV-FT-HS	8413	82	B1-U0-G3	8778	85	B1-U0-G3	9144	89	B1-U0-G3	9510	92	B1-U0-G3				

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PAC-PT1 SERIES - PLED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (PAC-PT-PLED)

PAC18-PT-PLED

LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
48	350	53.6	II	7280	136	B2-U0-G2	7596	142	B2-U0-G2	7913	148	B2-U0-G2	8229	154	B2-U0-G2	41.3	2532	61	B1-U0-G1
			II-FR	7329	137	B2-U0-G1	7648	143	B2-U0-G1	7967	149	B2-U0-G1	8285	155	B2-U0-G1		2549	62	B1-U0-G1
			III-M	7407	138	B2-U0-G2	7729	144	B2-U0-G2	8052	150	B2-U0-G2	8374	156	B2-U0-G2		2577	62	B1-U0-G1
			III-W	6878	128	B1-U0-G2	7177	134	B1-U0-G2	7476	139	B1-U0-G2	7775	145	B1-U0-G2		2392	58	B1-U0-G1
			IV	7351	137	B2-U0-G2	7671	143	B2-U0-G2	7991	149	B2-U0-G2	8310	155	B2-U0-G2		2557	62	B1-U0-G1
			IV-FT	6697	125	B1-U0-G2	6988	130	B1-U0-G2	7279	136	B2-U0-G2	7570	141	B2-U0-G2		2329	56	B1-U0-G1
			VSQ-N	7685	143	B2-U0-G1	8019	150	B3-U0-G1	8353	156	B3-U0-G1	8687	162	B3-U0-G1		2673	65	B1-U0-G0
			VSQ-M	7534	141	B3-U0-G1	7862	147	B3-U0-G2	8190	153	B3-U0-G2	8517	159	B3-U0-G2		2621	63	B2-U0-G1
			VSQ-W	7355	137	B3-U0-G2	7674	143	B3-U0-G2	7994	149	B3-U0-G2	8314	155	B3-U0-G2		2558	62	B2-U0-G1
			II-HS	5324	99	B1-U0-G2	5556	104	B1-U0-G2	5787	108	B1-U0-G2	6019	112	B1-U0-G2		1852	45	B0-U0-G1
			II-FR-HS	5416	101	B0-U0-G1	5652	105	B1-U0-G1	5887	110	B1-U0-G1	6123	114	B1-U0-G1		1884	46	B0-U0-G0
			III-M-HS	5386	100	B0-U0-G2	5620	105	B0-U0-G2	5854	109	B0-U0-G2	6089	114	B0-U0-G2		1873	45	B0-U0-G1
			III-W-HS	5272	98	B0-U0-G2	5501	103	B0-U0-G2	5731	107	B0-U0-G2	5960	111	B0-U0-G2		1834	44	B0-U0-G1
			IV-HS	5563	104	B0-U0-G2	5805	108	B0-U0-G2	6047	113	B0-U0-G2	6288	117	B0-U0-G2		1935	47	B0-U0-G1
			IV-FT-HS	5258	98	B0-U0-G2	5487	102	B0-U0-G2	5715	107	B0-U0-G2	5944	111	B0-U0-G2		1829	44	B0-U0-G1
48	525	80.7	II	10351	128	B2-U0-G2	10801	134	B2-U0-G2	11251	139	B2-U0-G2	11701	145	B2-U0-G2	62.1	2925	47	B1-U0-G1
			II-FR	10420	129	B2-U0-G1	10873	135	B2-U0-G1	11326	140	B3-U0-G1	11779	146	B3-U0-G1		2945	47	B1-U0-G1
			III-M	10532	131	B2-U0-G2	10990	136	B2-U0-G2	11448	142	B2-U0-G2	11906	148	B2-U0-G2		2976	48	B1-U0-G1
			III-W	9780	121	B2-U0-G3	10205	126	B2-U0-G3	10630	132	B2-U0-G3	11055	137	B2-U0-G3		2764	45	B1-U0-G1
			IV	10453	130	B2-U0-G2	10907	135	B2-U0-G2	11362	141	B2-U0-G2	11816	146	B2-U0-G2		2954	48	B1-U0-G1
			IV-FT	9522	118	B2-U0-G3	9936	123	B2-U0-G3	10350	128	B2-U0-G3	10764	133	B2-U0-G3		2691	43	B1-U0-G1
			VSQ-N	10925	135	B3-U0-G1	11400	141	B3-U0-G1	11875	147	B3-U0-G1	12350	153	B3-U0-G1		3088	50	B1-U0-G0
			VSQ-M	10713	133	B4-U0-G2	11178	139	B4-U0-G2	11644	144	B4-U0-G2	12110	150	B4-U0-G2		3027	49	B2-U0-G1
			VSQ-W	10459	130	B4-U0-G3	10913	135	B4-U0-G3	11368	141	B4-U0-G3	11823	147	B4-U0-G3		2955	48	B2-U0-G1
			II-HS	7570	94	B1-U0-G2	7900	98	B1-U0-G2	8229	102	B1-U0-G2	8558	106	B1-U0-G2		2139	34	B0-U0-G1
			II-FR-HS	7700	95	B1-U0-G1	8035	100	B1-U0-G1	8370	104	B1-U0-G1	8705	108	B1-U0-G1		2176	35	B0-U0-G0
			III-M-HS	7658	95	B1-U0-G2	7991	99	B1-U0-G2	8324	103	B1-U0-G2	8657	107	B1-U0-G2		2164	35	B0-U0-G1
			III-W-HS	7496	93	B0-U0-G2	7822	97	B0-U0-G2	8148	101	B1-U0-G2	8474	105	B1-U0-G2		2118	34	B0-U0-G1
			IV-HS	7910	98	B1-U0-G2	8254	102	B1-U0-G2	8598	107	B1-U0-G2	8942	111	B1-U0-G2		2235	36	B0-U0-G1
			IV-FT-HS	7476	93	B1-U0-G3	7801	97	B1-U0-G3	8126	101	B1-U0-G3	8451	105	B1-U0-G3		2113	34	B0-U0-G1
48	700	108.0	II	13020	121	B2-U0-G2	13586	126	B2-U0-G2	14152	131	B2-U0-G2	14718	136	B3-U0-G2	N/A	N/A		
			II-FR	13106	121	B3-U0-G1	13676	127	B3-U0-G1	14246	132	B3-U0-G1	14816	137	B3-U0-G2				
			III-M	13247	123	B2-U0-G2	13823	128	B2-U0-G2	14399	133	B2-U0-G2	14975	139	B2-U0-G2				
			III-W	12299	114	B2-U0-G3	12834	119	B2-U0-G3	13369	124	B2-U0-G3	13903	129	B2-U0-G3				
			IV	13147	122	B2-U0-G2	13719	127	B2-U0-G2	14291	132	B2-U0-G2	14862	138	B2-U0-G2				
			IV-FT	11976	111	B2-U0-G3	12497	116	B2-U0-G3	13017	121	B2-U0-G3	13538	125	B2-U0-G3				
			VSQ-N	13741	127	B3-U0-G1	14338	133	B3-U0-G1	14936	138	B3-U0-G1	15533	144	B3-U0-G1				
			VSQ-M	13475	125	B4-U0-G2	14061	130	B4-U0-G2	14647	136	B4-U0-G2	15233	141	B4-U0-G2				
			VSQ-W	13153	122	B4-U0-G3	13725	127	B4-U0-G3	14297	132	B4-U0-G3	14869	138	B4-U0-G3				
			II-HS	9522	88	B1-U0-G2	9936	92	B1-U0-G2	10350	96	B1-U0-G2	10763	100	B1-U0-G2				
			II-FR-HS	9685	90	B1-U0-G1	10106	94	B1-U0-G1	10527	97	B1-U0-G1	10948	101	B1-U0-G1				
			III-M-HS	9632	89	B1-U0-G2	10051	93	B1-U0-G2	10469	97	B1-U0-G2	10888	101	B1-U0-G2				
			III-W-HS	9428	87	B1-U0-G3	9838	91	B1-U0-G3	10248	95	B1-U0-G3	10658	99	B1-U0-G3				
			IV-HS	9950	92	B1-U0-G2	10382	96	B1-U0-G2	10815	100	B1-U0-G2	11247	104	B1-U0-G2				
			IV-FT-HS	9403	87	B1-U0-G3	9812	91	B1-U0-G3	10221	95	B1-U0-G3	10630	98	B1-U0-G3				
48	875	134.7	II	15335	114	B3-U0-G2	16001	119	B3-U0-G3	16668	124	B3-U0-G3	17335	129	B3-U0-G3	N/A	N/A		
			II-FR	15437	115	B3-U0-G2	16108	120	B3-U0-G2	16779	125	B3-U0-G2	17450	130	B3-U0-G2				
			III-M	15602	116	B3-U0-G2	16281	121	B3-U0-G3	16959	126	B3-U0-G3	17637	131	B3-U0-G3				
			III-W	14487	108	B2-U0-G3	15117	112	B2-U0-G3	15746	117	B3-U0-G3	16376	122	B3-U0-G3				
			IV	15485	115	B3-U0-G2	16159	120	B3-U0-G2	16832	125	B3-U0-G3	17505	130	B3-U0-G3				
			IV-FT	14107	105	B2-U0-G3	14720	109	B3-U0-G3	15333	114	B3-U0-G3	15947	118	B3-U0-G3				
			VSQ-N	16186	120	B4-U0-G1	16889	125	B4-U0-G2	17593	131	B4-U0-G2	18297	136	B4-U0-G2				
			VSQ-M	15871	118	B4-U0-G2	16561	123	B4-U0-G2	17251	128	B4-U0-G2	17941	133	B4-U0-G2				
			VSQ-W	15492	115	B4-U0-G3	16166	120	B4-U0-G3	16839	125	B4-U0-G3	17513	130	B5-U0-G3				
			II-HS	11215	83	B1-U0-G2	11703	87	B1-U0-G2	12190	90	B1-U0-G2	12678	94	B1-U0-G2				
			II-FR-HS	11408	85	B1-U0-G2	11904	88	B1-U0-G2	12400	92	B1-U0-G2	12896	96	B1-U0-G2				
			III-M-HS	11346	84	B1-U0-G2	11839	88	B1-U0-G3	12332	92	B1-U0-G3	12826	95	B1-U0-G3				
			III-W-HS	11106	82	B1-U0-G3	11589	86	B1-U0-G3	12072	90	B1-U0-G3	12555	93	B1-U0-G3				
			IV-HS	11719	87	B1-U0-G2	12229	91	B1-U0-G2	12738	95	B1-U0-G2	13248	98	B1-U0-G3				
			IV-FT-HS	11076	82	B1-U0-G3	11557	86	B1-U0-G3	12039	89	B1-U0-G3	12521	93	B1-U0-G3				

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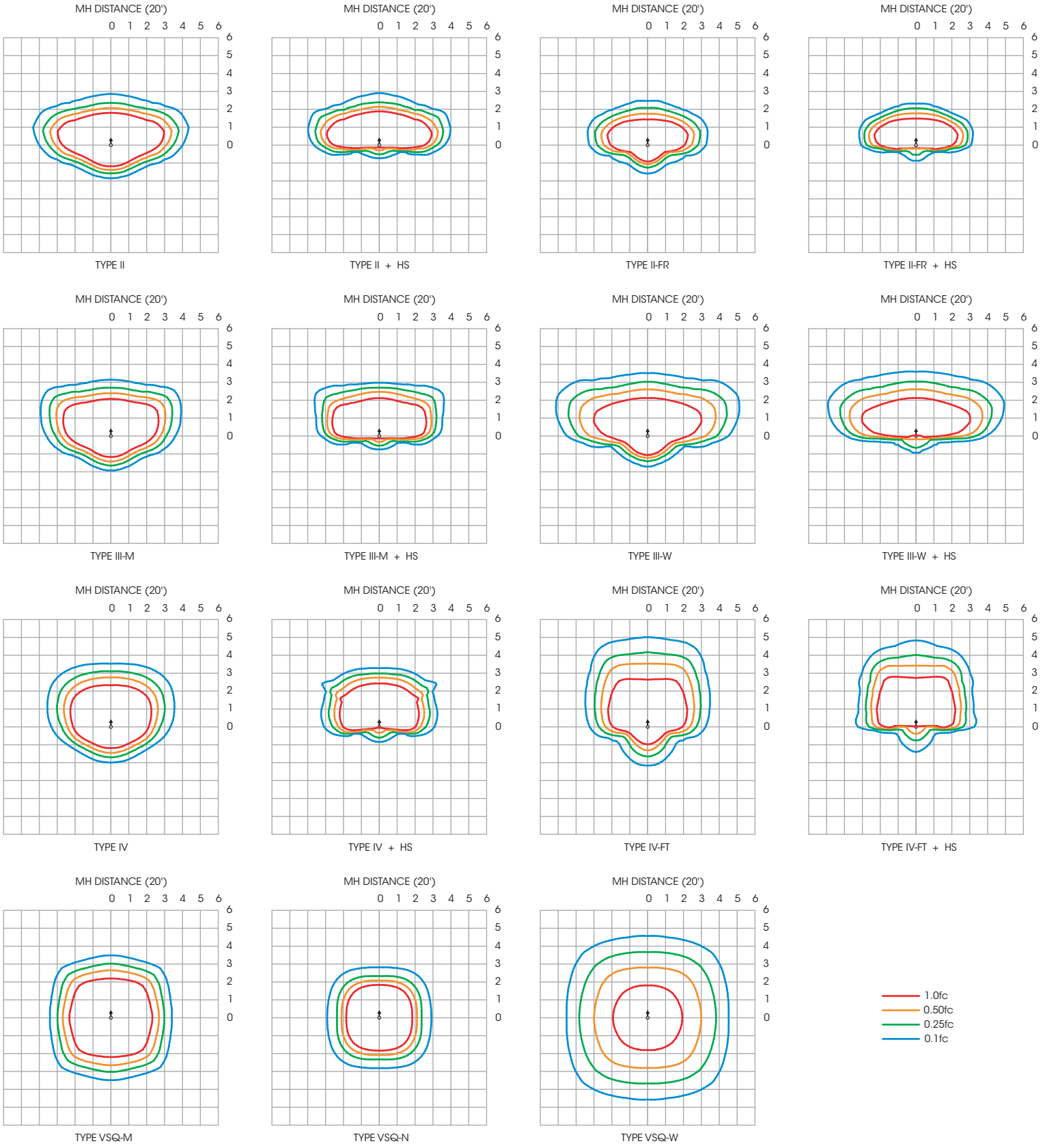
PAC-PT1 SERIES - PLED

PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS

PAC24-PT-PLED-80LED-525mA-40K - 20' Mounting Height (18' Pole)



PAC-PT1 SERIES - PLED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (PAC-PT-PLED)

PAC24-PT-PLED

LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
36	350	41.3	II	5529	134	B1-U0-G1	5769	140	B2-U0-G1	6010	146	B2-U0-G1	6250	151	B2-U0-G1	31.8	1923	60	B1-U0-G1
			II-FR	5567	135	B1-U0-G1	5809	141	B2-U0-G1	6051	147	B2-U0-G1	6293	152	B2-U0-G1		1936	61	B1-U0-G0
			III-M	5626	136	B1-U0-G1	5871	142	B1-U0-G2	6115	148	B1-U0-G2	6360	154	B2-U0-G2		1957	62	B1-U0-G1
			III-W	5224	126	B1-U0-G2	5451	132	B1-U0-G2	5678	137	B1-U0-G2	5905	143	B1-U0-G2		1817	57	B1-U0-G1
			IV	5584	135	B1-U0-G1	5826	141	B1-U0-G1	6069	147	B2-U0-G2	6312	153	B2-U0-G2		1942	61	B1-U0-G1
			IV-FT	5086	123	B1-U0-G2	5307	129	B1-U0-G2	5529	134	B1-U0-G2	5750	139	B1-U0-G2		1769	56	B1-U0-G1
			VSQ-N	5837	141	B2-U0-G1	6091	147	B2-U0-G1	6344	154	B2-U0-G1	6598	160	B2-U0-G1		2030	64	B1-U0-G0
			VSQ-M	5723	139	B3-U0-G1	5972	145	B3-U0-G1	6221	151	B3-U0-G1	6469	157	B3-U0-G1		1991	63	B1-U0-G0
			VSQ-W	5586	135	B3-U0-G2	5829	141	B3-U0-G2	6072	147	B3-U0-G2	6315	153	B3-U0-G2		1943	61	B2-U0-G1
			II-HS	4044	98	B0-U0-G1	4220	102	B0-U0-G1	4395	106	B0-U0-G1	4571	111	B1-U0-G1		1407	44	B0-U0-G0
			II-FR-HS	4114	100	B0-U0-G1	4293	104	B0-U0-G1	4471	108	B0-U0-G1	4650	113	B0-U0-G1		1431	45	B0-U0-G0
			III-M-HS	4091	99	B0-U0-G1	4269	103	B0-U0-G2	4447	108	B0-U0-G2	4624	112	B0-U0-G2		1423	45	B0-U0-G0
			III-W-HS	4005	97	B0-U0-G2	4178	101	B0-U0-G2	4353	105	B0-U0-G2	4527	110	B0-U0-G2		1393	44	B0-U0-G1
			IV-HS	4225	102	B0-U0-G1	4409	107	B0-U0-G1	4592	111	B0-U0-G1	4776	116	B0-U0-G2		1470	46	B0-U0-G0
			IV-FT-HS	3994	97	B0-U0-G2	4167	101	B0-U0-G2	4341	105	B0-U0-G2	4515	109	B0-U0-G2		1389	44	B0-U0-G1
36	525	62.0	II	7862	127	B2-U0-G2	8204	132	B2-U0-G2	8545	138	B2-U0-G2	8887	143	B2-U0-G2	47.7	2222	47	B1-U0-G1
			II-FR	7915	128	B2-U0-G1	8259	133	B2-U0-G1	8603	139	B2-U0-G1	8947	144	B2-U0-G1		2237	47	B1-U0-G0
			III-M	7999	129	B2-U0-G2	8347	135	B2-U0-G2	8695	140	B2-U0-G2	9043	146	B2-U0-G2		2261	47	B1-U0-G1
			III-W	7428	120	B1-U0-G2	7751	125	B1-U0-G2	8074	130	B2-U0-G2	8397	135	B2-U0-G2		2099	44	B1-U0-G1
			IV	7939	128	B2-U0-G2	8284	134	B2-U0-G2	8630	139	B2-U0-G2	8975	145	B2-U0-G2		2244	47	B1-U0-G1
			IV-FT	7232	117	B2-U0-G2	7547	122	B2-U0-G2	7861	127	B2-U0-G2	8176	132	B2-U0-G2		2044	43	B1-U0-G1
			VSQ-N	8297	134	B3-U0-G1	8658	140	B3-U0-G1	9019	145	B3-U0-G1	9380	151	B3-U0-G1		2345	49	B1-U0-G0
			VSQ-M	8137	131	B3-U0-G2	8491	137	B3-U0-G2	8844	143	B3-U0-G2	9198	148	B3-U0-G2		2299	48	B2-U0-G1
			VSQ-W	7943	128	B3-U0-G2	8289	134	B3-U0-G2	8634	139	B4-U0-G2	8980	145	B4-U0-G2		2245	47	B2-U0-G1
			II-HS	5750	93	B1-U0-G2	6000	97	B1-U0-G2	6250	101	B1-U0-G2	6500	105	B1-U0-G2		1625	34	B0-U0-G0
			II-FR-HS	5849	94	B1-U0-G1	6103	98	B1-U0-G1	6357	103	B1-U0-G1	6611	107	B1-U0-G1		1653	35	B0-U0-G0
			III-M-HS	5817	94	B0-U0-G2	6069	98	B0-U0-G2	6322	102	B0-U0-G2	6575	106	B0-U0-G2		1644	34	B0-U0-G1
			III-W-HS	5694	92	B0-U0-G2	5941	96	B0-U0-G2	6189	100	B0-U0-G2	6436	104	B0-U0-G2		1609	34	B0-U0-G1
			IV-HS	6008	97	B0-U0-G2	6269	101	B0-U0-G2	6530	105	B0-U0-G2	6791	110	B0-U0-G2		1698	36	B0-U0-G1
			IV-FT-HS	5678	92	B0-U0-G2	5925	96	B0-U0-G2	6172	100	B0-U0-G2	6419	104	B0-U0-G2		1605	34	B0-U0-G1
36	700	82.6	II	9889	120	B2-U0-G2	10319	125	B2-U0-G2	10749	130	B2-U0-G2	11179	135	B2-U0-G2	N/A	N/A		
			II-FR	9955	121	B2-U0-G1	10388	126	B2-U0-G1	10820	131	B2-U0-G1	11253	136	B3-U0-G1				
			III-M	10061	122	B2-U0-G2	10499	127	B2-U0-G2	10936	132	B2-U0-G2	11374	138	B2-U0-G2				
			III-W	9342	113	B2-U0-G3	9748	118	B2-U0-G3	10154	123	B2-U0-G3	10560	128	B2-U0-G3				
			IV	9986	121	B2-U0-G2	10420	126	B2-U0-G2	10854	131	B2-U0-G2	11289	137	B2-U0-G2				
			IV-FT	9096	110	B2-U0-G3	9492	115	B2-U0-G3	9887	120	B2-U0-G3	10283	124	B2-U0-G3				
			VSQ-N	10437	126	B3-U0-G1	10890	132	B3-U0-G1	11344	137	B3-U0-G1	11798	143	B3-U0-G1				
			VSQ-M	10235	124	B3-U0-G2	10680	129	B4-U0-G2	11125	135	B4-U0-G2	11570	140	B4-U0-G2				
			VSQ-W	9990	121	B4-U0-G3	10425	126	B4-U0-G3	10859	131	B4-U0-G3	11294	137	B4-U0-G3				
			II-HS	7232	88	B1-U0-G2	7547	91	B1-U0-G2	7861	95	B1-U0-G2	8175	99	B1-U0-G2				
			II-FR-HS	7356	89	B1-U0-G1	7676	93	B1-U0-G1	7996	97	B1-U0-G1	8315	101	B1-U0-G1				
			III-M-HS	7316	89	B0-U0-G2	7634	92	B1-U0-G2	7952	96	B1-U0-G2	8270	100	B1-U0-G2				
			III-W-HS	7161	87	B0-U0-G2	7472	90	B0-U0-G2	7784	94	B0-U0-G2	8095	98	B1-U0-G2				
			IV-HS	7557	91	B1-U0-G2	7886	95	B1-U0-G2	8214	99	B1-U0-G2	8542	103	B1-U0-G2				
			IV-FT-HS	7142	86	B1-U0-G3	7453	90	B1-U0-G3	7763	94	B1-U0-G3	8074	98	B1-U0-G3				
36	875	103.1	II	11647	113	B2-U0-G2	12154	118	B2-U0-G2	12660	123	B2-U0-G2	13166	128	B2-U0-G2	N/A	N/A		
			II-FR	11725	114	B3-U0-G1	12235	119	B3-U0-G1	12744	124	B3-U0-G1	13254	129	B3-U0-G1				
			III-M	11851	115	B2-U0-G2	12366	120	B2-U0-G2	12881	125	B2-U0-G2	13396	130	B2-U0-G2				
			III-W	11003	107	B2-U0-G3	11482	111	B2-U0-G3	11960	116	B2-U0-G3	12438	121	B2-U0-G3				
			IV	11762	114	B2-U0-G2	12273	119	B2-U0-G2	12784	124	B2-U0-G2	13296	129	B2-U0-G2				
			IV-FT	10715	104	B2-U0-G3	11180	108	B2-U0-G3	11646	113	B2-U0-G3	12112	117	B2-U0-G3				
			VSQ-N	12294	119	B3-U0-G1	12828	124	B3-U0-G1	13363	130	B3-U0-G1	13897	135	B3-U0-G1				
			VSQ-M	12054	117	B4-U0-G2	12578	122	B4-U0-G2	13102	127	B4-U0-G2	13627	132	B4-U0-G2				
			VSQ-W	11767	114	B4-U0-G3	12278	119	B4-U0-G3	12790	124	B4-U0-G3	13302	129	B4-U0-G3				
			II-HS	8518	83	B1-U0-G2	8889	86	B1-U0-G2	9259	90	B1-U0-G2	9629	93	B1-U0-G2				
			II-FR-HS	8665	84	B1-U0-G1	9042	88	B1-U0-G1	9418	91	B1-U0-G1	9795	95	B1-U0-G1				
			III-M-HS	8618	84	B1-U0-G2	8992	87	B1-U0-G2	9367	91	B1-U0-G2	9741	94	B1-U0-G2				
			III-W-HS	8436	82	B1-U0-G2	8802	85	B1-U0-G2	9169	89	B1-U0-G2	9536	92	B1-U0-G3				
			IV-HS	8901	86	B1-U0-G2	9288	90	B1-U0-G2	9675	94	B1-U0-G2	10062	98	B1-U0-G2				
			IV-FT-HS	8413	82	B1-U0-G3	8778	85	B1-U0-G3	9144	89	B1-U0-G3	9510	92	B1-U0-G3				

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PAC-PT1 SERIES - PLED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (PAC-PT-PLED)

PAC24-PT-PLED

LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
48	350	53.6	II	7280	136	B2-U0-G2	7596	142	B2-U0-G2	7913	148	B2-U0-G2	8229	154	B2-U0-G2	41.3	2532	61	B1-U0-G1
			II-FR	7329	137	B2-U0-G1	7648	143	B2-U0-G1	7967	149	B2-U0-G1	8285	155	B2-U0-G1		2549	62	B1-U0-G1
			III-M	7407	138	B2-U0-G2	7729	144	B2-U0-G2	8052	150	B2-U0-G2	8374	156	B2-U0-G2		2577	62	B1-U0-G1
			III-W	6878	128	B1-U0-G2	7177	134	B1-U0-G2	7476	139	B1-U0-G2	7775	145	B1-U0-G2		2392	58	B1-U0-G1
			IV	7351	137	B2-U0-G2	7671	143	B2-U0-G2	7991	149	B2-U0-G2	8310	155	B2-U0-G2		2557	62	B1-U0-G1
			IV-FT	6697	125	B1-U0-G2	6988	130	B1-U0-G2	7279	136	B2-U0-G2	7570	141	B2-U0-G2		2329	56	B1-U0-G1
			VSQ-N	7685	143	B2-U0-G1	8019	150	B3-U0-G1	8353	156	B3-U0-G1	8687	162	B3-U0-G1		2673	65	B1-U0-G0
			VSQ-M	7534	141	B3-U0-G1	7862	147	B3-U0-G2	8190	153	B3-U0-G2	8517	159	B3-U0-G2		2621	63	B2-U0-G1
			VSQ-W	7355	137	B3-U0-G2	7674	143	B3-U0-G2	7994	149	B3-U0-G2	8314	155	B3-U0-G2		2558	62	B2-U0-G1
			II-HS	5324	99	B1-U0-G2	5556	104	B1-U0-G2	5787	108	B1-U0-G2	6019	112	B1-U0-G2		1852	45	B0-U0-G1
			II-FR-HS	5416	101	B0-U0-G1	5652	105	B1-U0-G1	5887	110	B1-U0-G1	6123	114	B1-U0-G1		1884	46	B0-U0-G0
			III-M-HS	5386	100	B0-U0-G2	5620	105	B0-U0-G2	5854	109	B0-U0-G2	6089	114	B0-U0-G2		1873	45	B0-U0-G1
			III-W-HS	5272	98	B0-U0-G2	5501	103	B0-U0-G2	5731	107	B0-U0-G2	5960	111	B0-U0-G2		1834	44	B0-U0-G1
			IV-HS	5563	104	B0-U0-G2	5805	108	B0-U0-G2	6047	113	B0-U0-G2	6288	117	B0-U0-G2		1935	47	B0-U0-G1
			IV-FT-HS	5258	98	B0-U0-G2	5487	102	B0-U0-G2	5715	107	B0-U0-G2	5944	111	B0-U0-G2		1829	44	B0-U0-G1
48	525	80.7	II	10351	128	B2-U0-G2	10801	134	B2-U0-G2	11251	139	B2-U0-G2	11701	145	B2-U0-G2	62.1	2925	47	B1-U0-G1
			II-FR	10420	129	B2-U0-G1	10873	135	B2-U0-G1	11326	140	B3-U0-G1	11779	146	B3-U0-G1		2945	47	B1-U0-G1
			III-M	10532	131	B2-U0-G2	10990	136	B2-U0-G2	11448	142	B2-U0-G2	11906	148	B2-U0-G2		2976	48	B1-U0-G1
			III-W	9780	121	B2-U0-G3	10205	126	B2-U0-G3	10630	132	B2-U0-G3	11055	137	B2-U0-G3		2764	45	B1-U0-G1
			IV	10453	130	B2-U0-G2	10907	135	B2-U0-G2	11362	141	B2-U0-G2	11816	146	B2-U0-G2		2954	48	B1-U0-G1
			IV-FT	9522	118	B2-U0-G3	9936	123	B2-U0-G3	10350	128	B2-U0-G3	10764	133	B2-U0-G3		2691	43	B1-U0-G1
			VSQ-N	10925	135	B3-U0-G1	11400	141	B3-U0-G1	11875	147	B3-U0-G1	12350	153	B3-U0-G1		3088	50	B1-U0-G0
			VSQ-M	10713	133	B4-U0-G2	11178	139	B4-U0-G2	11644	144	B4-U0-G2	12110	150	B4-U0-G2		3027	49	B2-U0-G1
			VSQ-W	10459	130	B4-U0-G3	10913	135	B4-U0-G3	11368	141	B4-U0-G3	11823	147	B4-U0-G3		2955	48	B2-U0-G1
			II-HS	7570	94	B1-U0-G2	7900	98	B1-U0-G2	8229	102	B1-U0-G2	8558	106	B1-U0-G2		2139	34	B0-U0-G1
			II-FR-HS	7700	95	B1-U0-G1	8035	100	B1-U0-G1	8370	104	B1-U0-G1	8705	108	B1-U0-G1		2176	35	B0-U0-G0
			III-M-HS	7658	95	B1-U0-G2	7991	99	B1-U0-G2	8324	103	B1-U0-G2	8657	107	B1-U0-G2		2164	35	B0-U0-G1
			III-W-HS	7496	93	B0-U0-G2	7822	97	B0-U0-G2	8148	101	B1-U0-G2	8474	105	B1-U0-G2		2118	34	B0-U0-G1
			IV-HS	7910	98	B1-U0-G2	8254	102	B1-U0-G2	8598	107	B1-U0-G2	8942	111	B1-U0-G2		2235	36	B0-U0-G1
			IV-FT-HS	7476	93	B1-U0-G3	7801	97	B1-U0-G3	8126	101	B1-U0-G3	8451	105	B1-U0-G3		2113	34	B0-U0-G1
48	700	108.0	II	13020	121	B2-U0-G2	13586	126	B2-U0-G2	14152	131	B2-U0-G2	14718	136	B3-U0-G2	N/A	N/A		
			II-FR	13106	121	B3-U0-G1	13676	127	B3-U0-G1	14246	132	B3-U0-G1	14816	137	B3-U0-G2				
			III-M	13247	123	B2-U0-G2	13823	128	B2-U0-G2	14399	133	B2-U0-G2	14975	139	B2-U0-G2				
			III-W	12299	114	B2-U0-G3	12834	119	B2-U0-G3	13369	124	B2-U0-G3	13903	129	B2-U0-G3				
			IV	13147	122	B2-U0-G2	13719	127	B2-U0-G2	14291	132	B2-U0-G2	14862	138	B2-U0-G2				
			IV-FT	11976	111	B2-U0-G3	12497	116	B2-U0-G3	13017	121	B2-U0-G3	13538	125	B2-U0-G3				
			VSQ-N	13741	127	B3-U0-G1	14338	133	B3-U0-G1	14936	138	B3-U0-G1	15533	144	B3-U0-G1				
			VSQ-M	13475	125	B4-U0-G2	14061	130	B4-U0-G2	14647	136	B4-U0-G2	15233	141	B4-U0-G2				
			VSQ-W	13153	122	B4-U0-G3	13725	127	B4-U0-G3	14297	132	B4-U0-G3	14869	138	B4-U0-G3				
			II-HS	9522	88	B1-U0-G2	9936	92	B1-U0-G2	10350	96	B1-U0-G2	10763	100	B1-U0-G2				
			II-FR-HS	9685	90	B1-U0-G1	10106	94	B1-U0-G1	10527	97	B1-U0-G1	10948	101	B1-U0-G1				
			III-M-HS	9632	89	B1-U0-G2	10051	93	B1-U0-G2	10469	97	B1-U0-G2	10888	101	B1-U0-G2				
			III-W-HS	9428	87	B1-U0-G3	9838	91	B1-U0-G3	10248	95	B1-U0-G3	10658	99	B1-U0-G3				
			IV-HS	9950	92	B1-U0-G2	10382	96	B1-U0-G2	10815	100	B1-U0-G2	11247	104	B1-U0-G2				
			IV-FT-HS	9403	87	B1-U0-G3	9812	91	B1-U0-G3	10221	95	B1-U0-G3	10630	98	B1-U0-G3				
48	875	134.7	II	15335	114	B3-U0-G2	16001	119	B3-U0-G3	16668	124	B3-U0-G3	17335	129	B3-U0-G3	N/A	N/A		
			II-FR	15437	115	B3-U0-G2	16108	120	B3-U0-G2	16779	125	B3-U0-G2	17450	130	B3-U0-G2				
			III-M	15602	116	B3-U0-G2	16281	121	B3-U0-G3	16959	126	B3-U0-G3	17637	131	B3-U0-G3				
			III-W	14487	108	B2-U0-G3	15117	112	B2-U0-G3	15746	117	B3-U0-G3	16376	122	B3-U0-G3				
			IV	15485	115	B3-U0-G2	16159	120	B3-U0-G2	16832	125	B3-U0-G3	17505	130	B3-U0-G3				
			IV-FT	14107	105	B2-U0-G3	14720	109	B3-U0-G3	15333	114	B3-U0-G3	15947	118	B3-U0-G3				
			VSQ-N	16186	120	B4-U0-G1	16889	125	B4-U0-G2	17593	131	B4-U0-G2	18297	136	B4-U0-G2				
			VSQ-M	15871	118	B4-U0-G2	16561	123	B4-U0-G2	17251	128	B4-U0-G2	17941	133	B4-U0-G2				
			VSQ-W	15492	115	B4-U0-G3	16166	120	B4-U0-G3	16839	125	B4-U0-G3	17513	130	B5-U0-G3				
			II-HS	11215	83	B1-U0-G2	11703	87	B1-U0-G2	12190	90	B1-U0-G2	12678	94	B1-U0-G2				
			II-FR-HS	11408	85	B1-U0-G2	11904	88	B1-U0-G2	12400	92	B1-U0-G2	12896	96	B1-U0-G2				
			III-M-HS	11346	84	B1-U0-G2	11839	88	B1-U0-G3	12332	92	B1-U0-G3	12826	95	B1-U0-G3				
			III-W-HS	11106	82	B1-U0-G3	11589	86	B1-U0-G3	12072	90	B1-U0-G3	12555	93	B1-U0-G3				
			IV-HS	11719	87	B1-U0-G2	12229	91	B1-U0-G2	12738	95	B1-U0-G2	13248	98	B1-U0-G3				
			IV-FT-HS	11076	82	B1-U0-G3	11557	86	B1-U0-G3	12039	89	B1-U0-G3	12521	93	B1-U0-G3				

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PAC-PT1 SERIES - PLED

PHOTOMETRIC DATA GUIDE - LUMEN TABLES (PAC-PT-PLED)

PAC24-PT-PLED

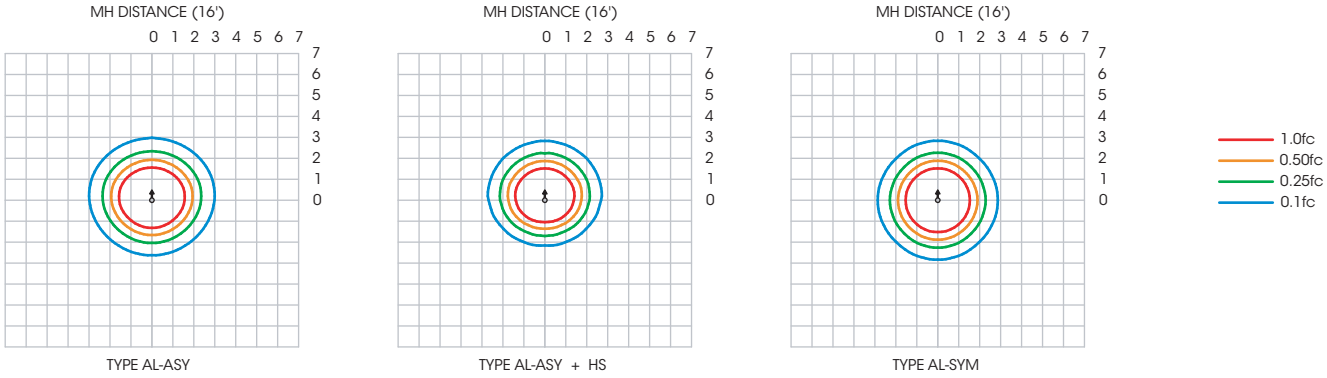
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
80	350	85.8	II	11652	136	B2-U0-G2	12159	142	B2-U0-G2	12665	148	B2-U0-G2	13172	154	B2-U0-G2	66.1	4053	61	B1-U0-G1
			II-FR	11730	137	B3-U0-G1	12240	143	B3-U0-G1	12750	149	B3-U0-G1	13260	155	B3-U0-G1		4080	62	B1-U0-G1
			III-M	11856	138	B2-U0-G2	12371	144	B2-U0-G2	12887	150	B2-U0-G2	13403	156	B2-U0-G2		4124	62	B1-U0-G1
			III-W	11008	128	B2-U0-G3	11487	134	B2-U0-G3	11965	139	B2-U0-G3	12444	145	B2-U0-G3		3829	58	B1-U0-G1
			IV	11767	137	B2-U0-G2	12279	143	B2-U0-G2	12790	149	B2-U0-G2	13302	155	B2-U0-G2		4093	62	B1-U0-G1
			IV-FT	10719	125	B2-U0-G3	11185	130	B2-U0-G3	11651	136	B2-U0-G3	12117	141	B2-U0-G3		3728	56	B1-U0-G2
			VSQ-N	12299	143	B3-U0-G1	12833	150	B3-U0-G1	13368	156	B3-U0-G1	13903	162	B3-U0-G1		4278	65	B2-U0-G0
			VSQ-M	12060	141	B4-U0-G2	12584	147	B4-U0-G2	13109	153	B4-U0-G2	13633	159	B4-U0-G2		4195	63	B2-U0-G1
			VSQ-W	11772	137	B4-U0-G3	12284	143	B4-U0-G3	12796	149	B4-U0-G3	13308	155	B4-U0-G3		4095	62	B3-U0-G1
			II-HS	8522	99	B1-U0-G2	8892	104	B1-U0-G2	9263	108	B1-U0-G2	9633	112	B1-U0-G2		2964	45	B0-U0-G1
			II-FR-HS	8669	101	B1-U0-G1	9046	105	B1-U0-G1	9422	110	B1-U0-G1	9799	114	B1-U0-G1		3015	46	B0-U0-G0
			III-M-HS	8622	100	B1-U0-G2	8997	105	B1-U0-G2	9371	109	B1-U0-G2	9746	114	B1-U0-G2		2999	45	B0-U0-G1
			III-W-HS	8439	98	B1-U0-G2	8806	103	B1-U0-G2	9173	107	B1-U0-G2	9540	111	B1-U0-G3		2935	44	B0-U0-G1
			IV-HS	8905	104	B1-U0-G2	9292	108	B1-U0-G2	9679	113	B1-U0-G2	10066	117	B1-U0-G2		3097	47	B0-U0-G1
			IV-FT-HS	8416	98	B1-U0-G3	8782	102	B1-U0-G3	9148	107	B1-U0-G3	9514	111	B1-U0-G3		2927	44	B0-U0-G1
80	525	129.7	II	16744	129	B3-U0-G3	17472	135	B3-U0-G3	18200	140	B3-U0-G3	18928	146	B3-U0-G3	99.9	4732	47	B1-U0-G1
			II-FR	16857	130	B3-U0-G2	17589	136	B3-U0-G2	18322	141	B3-U0-G2	19055	147	B3-U0-G2		4764	48	B1-U0-G1
			III-M	17037	131	B3-U0-G3	17778	137	B3-U0-G3	18518	143	B3-U0-G3	19259	148	B3-U0-G3		4815	48	B1-U0-G1
			III-W	15819	122	B3-U0-G3	16507	127	B3-U0-G3	17195	133	B3-U0-G3	17882	138	B3-U0-G3		4471	45	B1-U0-G2
			IV	16909	130	B3-U0-G3	17644	136	B3-U0-G3	18379	142	B3-U0-G3	19114	147	B3-U0-G3		4779	48	B1-U0-G1
			IV-FT	15403	119	B3-U0-G3	16073	124	B3-U0-G4	16742	129	B3-U0-G4	17412	134	B3-U0-G4		4353	44	B1-U0-G2
			VSQ-N	17673	136	B4-U0-G2	18441	142	B4-U0-G2	19210	148	B4-U0-G2	19978	154	B4-U0-G2		4994	50	B2-U0-G1
			VSQ-M	17331	134	B4-U0-G2	18084	139	B4-U0-G2	18837	145	B4-U0-G2	19591	151	B4-U0-G2		4898	49	B3-U0-G1
			VSQ-W	16917	130	B5-U0-G3	17652	136	B5-U0-G3	18387	142	B5-U0-G3	19123	147	B5-U0-G3		4781	48	B3-U0-G2
			II-HS	12246	94	B1-U0-G2	12778	99	B1-U0-G2	13311	103	B1-U0-G3	13843	107	B1-U0-G3		3461	35	B0-U0-G1
			II-FR-HS	12457	96	B1-U0-G2	12998	100	B1-U0-G2	13540	104	B1-U0-G2	14081	109	B1-U0-G2		3520	35	B0-U0-G1
			III-M-HS	12389	96	B1-U0-G3	12928	100	B1-U0-G3	13466	104	B1-U0-G3	14005	108	B1-U0-G3		3501	35	B0-U0-G1
			III-W-HS	12127	93	B1-U0-G3	12654	98	B1-U0-G3	13181	102	B1-U0-G3	13708	106	B1-U0-G3		3427	34	B0-U0-G1
			IV-HS	12797	99	B1-U0-G2	13353	103	B1-U0-G3	13909	107	B1-U0-G3	14465	112	B1-U0-G3		3616	36	B0-U0-G1
			IV-FT-HS	12093	93	B1-U0-G3	12619	97	B1-U0-G3	13145	101	B1-U0-G3	13671	105	B1-U0-G3		3418	34	B0-U0-G2
80	700	173.5	II	21195	122	B3-U0-G3	22116	127	B3-U0-G3	23038	133	B3-U0-G3	23960	138	B3-U0-G3	N/A	N/A		
			II-FR	21337	123	B3-U0-G2	22265	128	B3-U0-G2	23193	134	B3-U0-G2	24121	139	B3-U0-G2				
			III-M	21566	124	B3-U0-G3	22504	130	B3-U0-G3	23441	135	B3-U0-G3	24379	141	B3-U0-G4				
			III-W	20024	115	B3-U0-G4	20894	120	B3-U0-G4	21765	125	B3-U0-G4	22636	130	B3-U0-G4				
			IV	21404	123	B3-U0-G3	22335	129	B3-U0-G3	23265	134	B3-U0-G3	24196	139	B3-U0-G3				
			IV-FT	19498	112	B3-U0-G4	20346	117	B3-U0-G4	21193	122	B3-U0-G4	22041	127	B3-U0-G4				
			VSQ-N	22371	129	B4-U0-G2	23343	135	B4-U0-G2	24316	140	B4-U0-G2	25289	146	B4-U0-G2				
			VSQ-M	21937	126	B5-U0-G3	22891	132	B5-U0-G3	23845	137	B5-U0-G3	24799	143	B5-U0-G3				
			VSQ-W	21413	123	B5-U0-G4	22344	129	B5-U0-G4	23275	134	B5-U0-G4	24206	140	B5-U0-G4				
			II-HS	15501	89	B1-U0-G3	16175	93	B1-U0-G3	16849	97	B1-U0-G3	17523	101	B1-U0-G3				
			II-FR-HS	15768	91	B1-U0-G2	16454	95	B1-U0-G2	17139	99	B1-U0-G2	17824	103	B1-U0-G2				
			III-M-HS	15683	90	B1-U0-G3	16365	94	B1-U0-G3	17046	98	B1-U0-G3	17728	102	B1-U0-G4				
			III-W-HS	15350	88	B1-U0-G4	16018	92	B1-U0-G4	16685	96	B1-U0-G4	17353	100	B1-U0-G4				
			IV-HS	16198	93	B1-U0-G3	16902	97	B1-U0-G3	17606	101	B1-U0-G3	18310	106	B1-U0-G3				
			IV-FT-HS	15308	88	B1-U0-G4	15974	92	B1-U0-G4	16639	96	B1-U0-G4	17305	100	B1-U0-G4				
80	875	221.5	II	25400	115	B3-U0-G3	26504	120	B3-U0-G4	27608	125	B3-U0-G4	28713	130	B3-U0-G4	N/A	N/A		
			II-FR	25570	115	B3-U0-G2	26682	120	B3-U0-G2	27794	125	B3-U0-G2	28905	130	B4-U0-G2				
			III-M	25844	117	B3-U0-G4	26967	122	B3-U0-G4	28091	127	B3-U0-G4	29215	132	B3-U0-G4				
			III-W	23996	108	B3-U0-G4	25040	113	B3-U0-G4	26083	118	B3-U0-G4	27126	122	B3-U0-G4				
			IV	25650	116	B3-U0-G4	26765	121	B3-U0-G4	27880	126	B3-U0-G4	28996	131	B3-U0-G4				
			IV-FT	23365	105	B3-U0-G4	24381	110	B3-U0-G5	25397	115	B3-U0-G5	26413	119	B3-U0-G5				
			VSQ-N	26808	121	B5-U0-G2	27974	126	B5-U0-G2	29139	132	B5-U0-G2	30305	137	B5-U0-G2				
			VSQ-M	26289	119	B5-U0-G3	27432	124	B5-U0-G3	28575	129	B5-U0-G3	29718	134	B5-U0-G3				
			VSQ-W	25661	116	B5-U0-G4	26777	121	B5-U0-G4	27893	126	B5-U0-G4	29008	131	B5-U0-G4				
			II-HS	18576	84	B1-U0-G3	19384	88	B1-U0-G3	20191	91	B1-U0-G4	20999	95	B2-U0-G4				
			II-FR-HS	18896	85	B1-U0-G2	19717	89	B1-U0-G2	20539	93	B1-U0-G2	21360	96	B1-U0-G2				
			III-M-HS	18794	85	B1-U0-G4	19611	89	B1-U0-G4	20428	92	B1-U0-G4	21245	96	B1-U0-G4				
			III-W-HS	18395	83	B1-U0-G4	19195	87	B1-U0-G4	19995	90	B1-U0-G4	20795	94	B1-U0-G4				
			IV-HS	19411	88	B1-U0-G4	20255	91	B1-U0-G4	21099	95	B1-U0-G4	21943	99	B1-U0-G4				
			IV-FT-HS	18345	83	B1-U0-G4	19143	86	B1-U0-G4	19940	90	B1-U0-G4	20738	94	B1-U0-G4				

IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

PAC-PT1 SERIES - PLED

PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS

PAC18-PT-PLED-AL-48LED-525mA-40K - 16' Mounting Height (14' Pole)



PHOTOMETRIC DATA GUIDE - LUMEN TABLES (PAC-PLED-AL)

PAC18-PT-PLED-AL																			
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
48	175	26.5	ASY	2953	111	B1-U0-G1	3081	116	B1-U0-G1	3210	121	B1-U0-G1	3338	126	B1-U0-G1	20.4	1156	57	B1-U0-G1
			SYM	2956	112	B1-U0-G1	3085	116	B1-U0-G1	3213	121	B1-U0-G1	3342	126	B1-U0-G1		1157	57	B1-U0-G0
			ASY-HS	2113	80	B1-U0-G1	2205	83	B1-U0-G1	2297	87	B1-U0-G1	2389	90	B1-U0-G1		827	41	B0-U0-G0
48	350	53.6	ASY	5572	104	B2-U0-G1	5814	108	B2-U0-G1	6057	113	B2-U0-G1	6299	118	B2-U0-G2	41.3	1938	47	B1-U0-G1
			SYM	5578	104	B2-U0-G1	5820	109	B2-U0-G1	6063	113	B2-U0-G1	6306	118	B2-U0-G1		1940	47	B1-U0-G0
			ASY-HS	3987	74	B1-U0-G1	4160	78	B1-U0-G1	4334	81	B1-U0-G1	4508	84	B1-U0-G1		1387	34	B1-U0-G0
48	525	80.7	ASY	7923	98	B2-U0-G2	8268	102	B3-U0-G2	8612	107	B3-U0-G2	8957	111	B3-U0-G2	62.1	2239	36	B1-U0-G1
			SYM	7932	98	B3-U0-G1	8276	103	B3-U0-G1	8622	107	B3-U0-G1	8966	111	B3-U0-G1		2241	36	B1-U0-G1
			ASY-HS	5670	70	B2-U0-G1	5916	73	B2-U0-G1	6163	76	B2-U0-G1	6409	79	B2-U0-G1		1602	26	B1-U0-G1
48	700	108.0	ASY	9968	92	B3-U0-G2	10401	96	B3-U0-G2	10835	100	B3-U0-G2	11268	104	B3-U0-G2	N/A	N/A		
			SYM	9979	92	B3-U0-G1	10413	96	B3-U0-G1	10847	100	B3-U0-G1	11280	104	B3-U0-G1				
			ASY-HS	7133	66	B2-U0-G1	7443	69	B2-U0-G1	7753	72	B2-U0-G1	8063	75	B2-U0-G2				
48	875	134.7	ASY	11734	87	B3-U0-G2	12245	91	B3-U0-G2	12755	95	B3-U0-G3	13265	98	B3-U0-G3	N/A	N/A		
			SYM	11747	87	B3-U0-G1	12258	91	B3-U0-G1	12769	95	B3-U0-G1	13279	99	B3-U0-G1				
			ASY-HS	8397	62	B2-U0-G2	8762	65	B2-U0-G2	9127	68	B2-U0-G2	9492	70	B3-U0-G2				

IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

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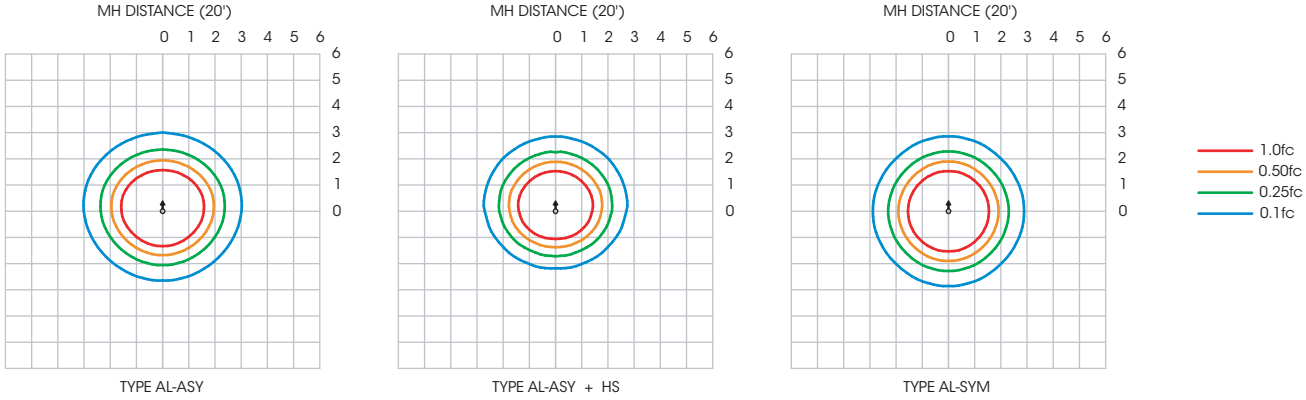
PAC-PT1 SERIES - PLED

PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS

PAC24-PT-PLED-AL-80LED-525mA-40K - 20' Mounting Height (18' Pole)



PHOTOMETRIC DATA GUIDE - LUMEN TABLES (PAC-PT-PLED-AL)

PAC24-PT-PLED-AL																			
LED Count	Drive Current (mA)	System Watts	Dist'n Type	27K (2700K - 70CRI)			30K (3000K - 70CRI)			40K (4000K - 70CRI)			50K (5000K - 70CRI)			System Watts	TRA (590nm)		
				LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING	LUMENS	LPW	BUG RATING		LUMENS	LPW	BUG RATING
80	175	41.9	ASY	4725	113	B2-U0-G1	4930	118	B2-U0-G1	5136	123	B2-U0-G1	5341	127	B2-U0-G1	32.3	1849	57	B1-U0-G1
			SYM	4730	113	B2-U0-G1	4936	118	B2-U0-G1	5141	123	B2-U0-G1	5347	128	B2-U0-G1		1851	57	B1-U0-G0
			ASY-HS	3381	81	B1-U0-G1	3529	84	B1-U0-G1	3676	88	B1-U0-G1	3822	91	B1-U0-G1		1323	41	B1-U0-G0
80	350	85.8	ASY	8915	104	B3-U0-G2	9303	108	B3-U0-G2	9691	113	B3-U0-G2	10078	117	B3-U0-G2	66.1	3101	47	B1-U0-G1
			SYM	8925	104	B3-U0-G1	9312	109	B3-U0-G1	9700	113	B3-U0-G1	10089	118	B3-U0-G1		3104	47	B1-U0-G1
			ASY-HS	6379	74	B2-U0-G1	6657	78	B2-U0-G1	6934	81	B2-U0-G1	7212	84	B2-U0-G1		2219	34	B1-U0-G1
80	525	129.7	ASY	12677	98	B3-U0-G3	13228	102	B3-U0-G3	13779	106	B3-U0-G3	14331	110	B3-U0-G3	99.9	3583	36	B1-U0-G1
			SYM	12691	98	B3-U0-G1	13242	102	B3-U0-G1	13794	106	B3-U0-G1	14346	111	B3-U0-G1		3587	36	B1-U0-G1
			ASY-HS	9072	70	B2-U0-G2	9466	73	B3-U0-G2	9860	76	B3-U0-G2	10255	79	B3-U0-G2		2564	26	B1-U0-G1
80	700	173.5	ASY	15949	92	B3-U0-G3	16642	96	B3-U0-G3	17335	100	B3-U0-G3	18030	104	B3-U0-G3	N/A	N/A		
			SYM	15967	92	B3-U0-G1	16660	96	B3-U0-G1	17355	100	B3-U0-G1	18049	104	B3-U0-G1				
			ASY-HS	11413	66	B3-U0-G2	11909	69	B3-U0-G2	12405	71	B3-U0-G2	12901	74	B3-U0-G2				
80	875	221.5	ASY	18775	85	B3-U0-G3	19592	88	B3-U0-G3	20408	92	B3-U0-G3	21224	96	B4-U0-G3	N/A	N/A		
			SYM	18796	85	B4-U0-G1	19613	89	B4-U0-G1	20430	92	B4-U0-G2	21247	96	B4-U0-G2				
			ASY-HS	13435	61	B3-U0-G2	14019	63	B3-U0-G2	14603	66	B3-U0-G2	15187	69	B3-U0-G2				

IES File downloads for this product can be found at www.usaltg.com/downloads/asr.html

WAC LIGHTING

Endurance™ Brick Lights

Louver Step And Wall Light

Fixture Type:

Catalog Number:

Project:

Location:

Model & Voltage	Color Temp & CRI	Lumens	Finish
❍ WL-5205 120 VAC	❍ 3000K 90	45	❍ ABK Architectural Black ◎ ABZ Architectural Bronze ◎ AGH Architectural Graphite ◎ AWT Architectural White

Example: **WL-5205-30-ABK**

DESCRIPTION

Designed for integration into brick walls or vertical risers. The energy-efficient Endurance™ LED Brick Light features a die-cast aluminum housing and integrated LED light engine with a heat resistant opal glass diffuser for a glare-free even spread of light, making outdoor areas safer and more secure.

FEATURES

- Glare controlling die-casted aluminum louver
- Factory sealed LED light engine
- 5 year warranty

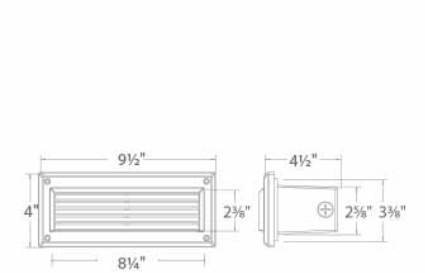
SPECIFICATIONS

Construction	Die-cast aluminum (K-Alloy)
Power:	5.5W
Input:	120 VAC,50/60Hz
Dimming:	ELV: 100-10%
Light Source:	Integrated LED
Rated Life:	80,000 Hours
Mounting:	Mortar into masonry, screw into wood walls, or retrofit into existing brick light installations, Can be mounted on wall vertically or horizontally
Cut Out:	3 1/4" x 8"
Finish:	Electrostatically Powder Coated: Architectural White, Architectural Graphite, Architectural Bronze, Architectural Black
Operating Temp:	-40°F to 122°F (-40°C to 50°C)
Standards:	ETL, cETL, Wet Location Listed, IP66, ADA

FINISHES:

Architectural Black | Architectural Bronze | Architectural Graphite | Architectural White

LINE DRAWING



REPLACEMENT PARTS

5005-30 - Replacement Light Engine 3000K
5005-PLATE - Light Engine Mounting Plate
5205-COV-ABK - Louvered Cover Plate ABK
5205-COV-ABZ - Louvered Cover Plate ABZ
5205-COV-AGH - Louvered Cover Plate AGH
5205-COV-AWT - Louvered Cover Plate AWT

WDGE1 LED

Architectural Wall Sconce

Catalog Number

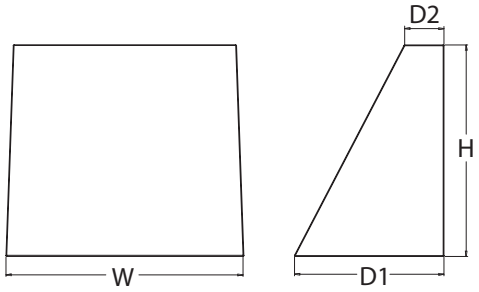
Notes

Type

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

Specifications

Depth (D1): 5.5"
Depth (D2): 1.5"
Height: 8"
Width: 9"
Weight: (without options) 9 lbs



Introduction

The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing true site-wide solution.

WDGE1 delivers up to 2,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. The compact size of WDGE1, with its integrated emergency battery backup option, makes it an ideal over-the-door wall-mounted lighting solution.

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

WDGE LED Family Overview

Luminaire	Optics	Standard EM, 0°C	Cold EM, -20°C	Sensor	Approximate Lumens (4000K, 80CRI)						
					P0	P1	P2	P3	P4	P5	P6
WDGE1 LED	Visual Comfort	4W		--	750	1,200	2,000	--	--	--	--
WDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight	--	1,200	2,000	3,000	4,500	6,000	--
WDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	--	--
WDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight	6,000	7,500	8,500	10,000	12,000	--	--
WDGE4 LED	Precision Refractive			Standalone / nLight	--	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WDGE1 LED P2 40K 80CRI VF MVOLT SRM PE DDBXD

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WDGE1 LED	P0 P1 P2	27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K[1] 5000K	80CRI 90CRI	VF Visual comfort forward throw VW Visual comfort wide	MVOLT 347[2]	**Shipped included** SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only)[3] **Shipped separately** AWS 3/8inch Architectural wall spacer[4] PBBW Surface-mounted back box (top, left, right conduit entry) Use when there is no junction box available.[4]

Options

E4WH	Emergency battery backup, Certified in CA Title 20 MAEDBS (4W, 0°C min)[5]
PE	Photocell, Button Type[6]
DS	Dual switching (comes with 2 drivers and 2 light engines; see page 3 for details)[7]
DMG	0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)
BCE	Bottom conduit entry for back box (PBBW). Total of 4 entry points.
DSLE	Dual Switching (1 Driver, 2 Light Engines)
CCE	Coastal Construction[4]

Finish

DDBXD	Dark bronze
DBLXD	Black
DNAXD	Natural aluminum
DWHXD	White
DSSXD	Sandstone
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white
DSSTXD	Textured sandstone

Accessories

Ordered and shipped separately.

WDGEAWS DDBXD	WDGE 3/8inch Architectural Wall Spacer (specify finish)
WDGE1PBBW DDBXD U	WDGE1 surface-mounted back box (specify finish)

NOTES

1 50K not available in 90CRI.
2 347V not available with E4WH, DS, DSLE or PE.
3 Not qualified for DLC. Not available with E4WH.
4 For PBBW and AWS with CCE option, require an RFA.
5 E4WH not available with PE or DS.
6 PE not available with DS.
7 DS is not available with P0.

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	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					35K (3500K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	7W	VF	693	99	0	0	0	718	103	0	0	0	739	106	0	0	0	759	108	0	0	0	764	109	0	0	0
		VW	694	99	0	0	0	720	103	0	0	0	740	106	0	0	0	760	109	0	0	0	766	109	0	0	0
P1	10W	VF	1,120	112	0	0	0	1,161	116	0	0	0	1,194	119	0	0	0	1,227	123	0	0	0	1,235	123	0	0	0
		VW	1,122	112	0	0	0	1,163	116	0	0	0	1,196	120	0	0	0	1,229	123	0	0	0	1,237	124	0	0	0
P2	15W	VF	1,806	120	1	0	0	1,872	125	1	0	0	1,925	128	1	0	0	1,978	132	1	0	0	1,992	133	1	0	0
		VW	1,809	120	1	0	0	1,876	125	1	0	0	1,929	128	1	0	0	1,982	132	1	0	0	1,996	133	1	0	0

Electrical Load

Performance Package	System Watts	Current (A)				
		120V	208V	240V	277V	347V
P0	7W	0.060	0.035	0.030	0.026	--
	9W	--	--	--	--	0.026
P1	10W	0.082	0.049	0.043	0.038	--
	13W	--	--	--	--	0.046
P2	15W	0.132	0.081	0.072	0.064	--
	18W	--	--	--	--	0.056

Lumen Multiplier for 90CRI

CCT	Multiplier
27K	0.845
30K	0.867
35K	0.845
40K	0.885
50K	0.898

Lumen Output in Emergency Mode (4000K, 80 CRI)

Option	Dist. Type	Lumens
E4WH	VF	646
	VW	647

Lumen Ambient Temperature (LAT) Multipliers

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

Ambient		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.98

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	1.0	>0.96	>0.95	>0.91

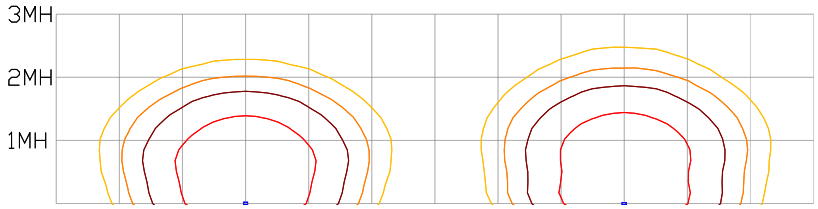
Photometric Diagrams

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

LEGEND

- 0.25 fc
- 0.5 fc
- 1.0 fc
- 3.0 fc

MH = 8ft
Grid = 8ft x 8ft



WDGE1 LED P2 40K 80CRI VW

WDGE1 LED P2 40K 80CRI VF

Emergency Egress Options

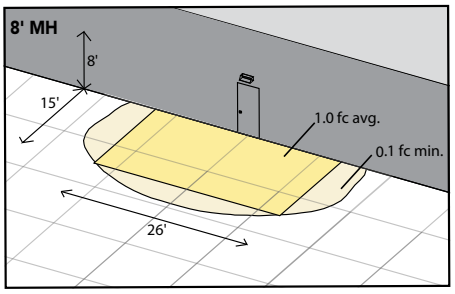
Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

The example below shows illuminance of 1 fc average and 0.1 fc minimum in emergency mode with E4WH and VF distribution.

Grid = 10ft x 10ft

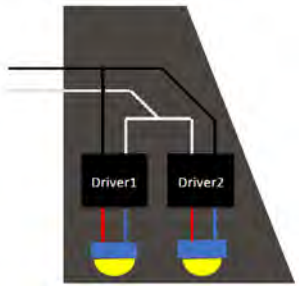


WDGE1 LED xx 40K 80CRI VF MVOLT E4WH

Dual Switching (DS) Option

The dual switching option offers operational redundancy that certain codes require. With this option the luminaire comes integrated with two drivers and two light engines. These work completely independent to each other so that a failure of any individual component does not cause the whole luminaire to go dark.

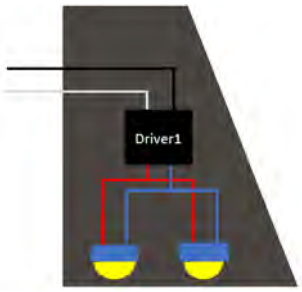
Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9



Dual Switching Light Engine (DSLE) Option

The dual switching option offers operational redundancy that certain codes require. With this option the luminaire comes integrated with one driver and two light engines. These work completely independent to each other so that a failure of either light engine does not cause the whole luminaire to go dark.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9



Mounting, Options & Accessories

E4WH – 4W Emergency Battery Backup

D = 5.5"

H = 8"

W = 9"

PBBW – Surface-Mounted Back Box
Use when there is no junction box available.

D = 1.75"

H = 8"

W = 9"

AWS – 3/8inch Architectural Wall Spacer

D = 0.38"

H = 4.4"

W = 7.5"

FEATURES & SPECIFICATIONS

INTENDED USE
Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

CONSTRUCTION
The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

FINISH
Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS
Well crafted reflector optics allow the light engine to be recessed within the luminaire, providing visual comfort, superior distribution, uniformity, and spacing in wall-mount applications. The WDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10v dimmable driver.

INSTALLATION
A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS
CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. 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 2700K and 3000K color temperature only and SRM mounting only.

GOVERNMENT PROCUREMENT
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
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.

NORDIC
EW264210
WALL

PROJECT

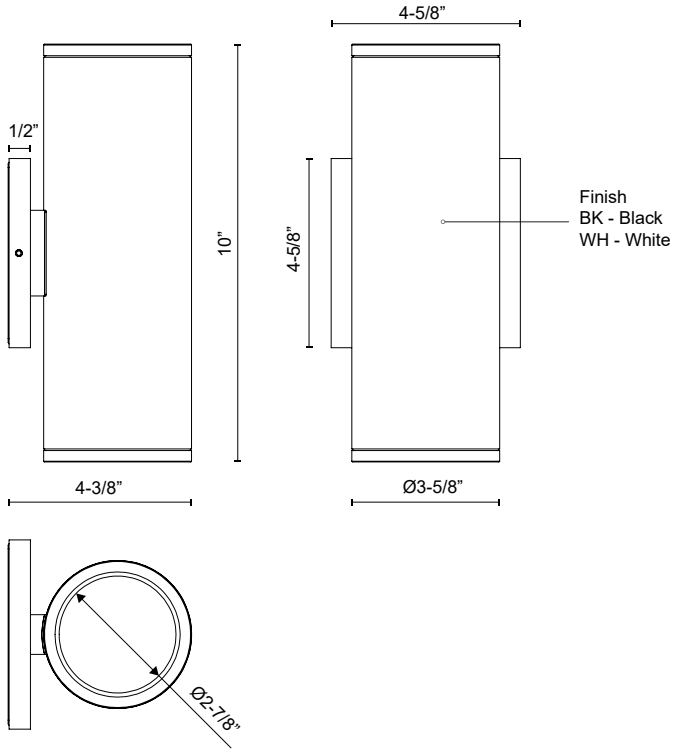
EW264210-BK
Black

EW264210-WH
White

SPECIFICATION DETAILS

Fixture Dimensions	W4-5/8" x H10" x E4-3/8"
Height From Center	5"
Light Source	AC LED Module
Wattage	20W
Total Lumens	2100lm
Delivered Lumens	BK-1234lm; WH-1280lm
Voltage	120V
Color Temperature	3000K
CRI (Ra)	90CRI
Optical Details	Multi-Facetted Aluminum Reflector
Lens Details	Clear Glass
LED Rated Life	50,000 hours
Dimming Percentage	100% - 10%
Dimming Type	ELV Dimmer (Not Included)
Illumination Direction	Up and Down
Mounting Style	All Orientation; Wall
Location	Wet, IP65
Canopy Dimensions	W4-5/8" x H4-5/8" x H1/2"
Paint Finish	BK02, WH02
Material	Aluminum + Glass

*For custom options, consult factory for details.
*For warranty information, please visit www.kuzcolighting.com/warranty



KUZCO

CANADA: 19054 28TH AVENUE - SURREY, BC V3Z 6M3

USA: 3035 E. LONE MOUNTAIN ROAD - LAS VEGAS, NV 89081

WWW.KUZCOLIGHTING.COM

Intertek

Project:

Location:

Fixture Type:

Catalog Number:

AVAILABLE FINISHES:

Mega

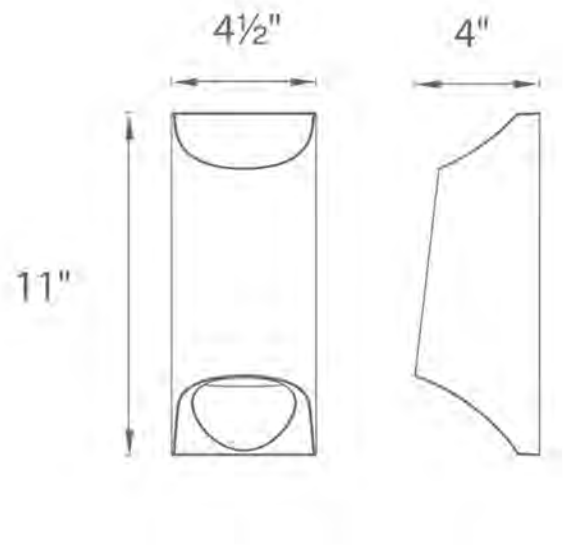
WS-W70612

FEATURES

- Driver concealed within the fixture
- Weather resistant finish
- IDA Dark Sky compliant when mounted in a downward orientation

SPECIFICATIONS

Rated Life	50,000 Hours
Standards	ETL, cETL,Wet Location Listed,IP65,Dark Sky Friendly
Input	120-277 VAC,50/60Hz
Dimming	ELV, 0-10V, TRIAC
Mounting	Can be mounted on wall vertically or upside down
Color Temp	3000K
CRI	90
Construction	Aluminum hardware



REPLACEMENT PARTS

HDW-WS-W70612 - Hardware Pack

Model & Size	Color Temp	Finish	LED Watts	LED Lumens	Delivered Lumens
❍ WS-W70612 11"	3000K	❍ BK Black	22W	1621	745

Example: **WS-W70612-BK**

For custom requests please contact customs@modernforms.com