

## 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 12/15/25 11:55 a.m. ☐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): Lot 10 of Starkweather Plat (Document No. 6056273) 111 N Walter StreetTitle: MACLT - Lot 10 Development

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

UDC meeting date requested February 4, 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** Mason Cavell  
**Street address** 902 Royster Oaks Drive  
**Telephone** 608-218-4232

**Company** Madison Area Community Land Trust  
**City/State/Zip** Madison, WI 53714  
**Email** mason@maclt.org

**Project contact person** Jake DeHaven  
**Street address** 2020 Eastwood Ave, Suite 100  
**Telephone** 60835408690

**Company** Threshold Builds  
**City/State/Zip** Madison, WI 53704  
**Email** jakedehaven@thresholdbuilds.com

**Property owner (if not applicant)** Starkweather, LLC  
**Street address** 1010 E. Washington Ave., Suite 101  
**Telephone** 608-251-6800

**City/State/Zip** Madison, WI 53703  
**Email** jillian@stonehousedevlopment.com

# URBAN DESIGN COMMISSION APPROVAL PROCESS

UDC

## Introduction

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

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

## Types of Approvals

There are three types of requests considered by the UDC:

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

## Presentations to the Commission

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

Primarily, the UDC is interested in the appearance and design quality of projects. Emphasis should be given to the site plan, landscape plan, lighting plan, building elevations, exterior building materials, color scheme, and graphics. Please note that presentation slides, in a PDF file format, are required to be submitted **the Friday before** the UDC meeting.

# URBAN DESIGN DEVELOPMENT PLANS CHECKLIST

# UDC

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

## 1. Informational Presentation

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

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

### Requirements for All Plan Sheets

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

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

## 2. Initial Approval

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

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

## 3. Final Approval

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

- ☐ Grading Plan
- ☐ Lighting Plan, including fixture cut sheets and photometrics plan (must be legible)
- ☐ Utility/HVAC equipment location and screening details (with a rooftop plan if roof-mounted)
- ☐ Site Plan showing site amenities, fencing, trash, bike parking, etc. (if applicable)
- ☐ PD text and Letter of Intent (if applicable)
- ☐ Samples of the exterior building materials
- ☐ Proposed sign areas and types (if applicable)

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

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

**Urban Design Commission Application (continued)****UDC****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)**NA Filing Fee** (Refer to Section 7 (below) for a list of application fees by request type) **Part of combined application process**☒ **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](mailto:UDCapplications@cityofmadison.com). The email must include the project address, project name, and applicant name.
- Email Size Limits. Note that an individual email cannot exceed 20MB and it is the responsibility of the applicant to present files in a manner that can be accepted. Applicants who are unable to provide the materials electronically should contact the Planning Division at (608) 266-4635 for assistance.

☒ **Notification to the District Alder**

- Please provide an email to the District Alder notifying them that you are filing this UDC application. Please send this as early in the process as possible and provide a copy of that email with the submitted application.

**6. Applicant Declarations**

1. Prior to submitting this application, the applicant is required to discuss the proposed project with Urban Design Commission staff. This application was discussed with Jessica Vaughn on 10/29/2025.
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 Mason Cavell

Signed by:

Relationship to property Executive Director, MACLT

Authorizing signature of property owner \_\_\_\_\_

Joe Knapp  
6A16BD07D3964F3...Date 12/11/2025**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



Threshold Builds  
2020 Eastwood Drive, Suite 100  
Madison, WI 53704

15 December 2025

Jessica Vaughn, AICP  
Urban Design Commission Secretary – Planning Division  
Department of Planning & Community & Economic Development  
215 Martin Luther King Jr. Blvd | Suite 017  
PO Box 2985  
Madison, WI 53701

<b>RE</b>	Letter of Intent   Land Use Application - Urban Design Commission
<b>PROJECT</b>	Lot 10 – MACLT Townhouse Development
<b>SITE</b>	Starkweather Plat – Lot 10
<b>TB PROJECT NO.</b>	24-0010

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Dear Jessica and Commissioners,

The following is submitted together with the plans and application for review by the Urban Design Commission and the Plan Commission. We are requesting an initial and final review of the application.

## **PROJECT TEAM**

Architect and Builder  
Threshold Builds  
2020 Eastwood Drive, Suite 100  
Madison, WI 53704  
Jake DeHaven  
jakedehaven@thresholdbuilds.com

Civil Engineer / Surveyor / Landscape Architect  
Vierbicher  
999 Fourier Drive, Suite 201  
Madison, WI 53717  
Randy Kolinske, PE, LEED-AP  
rkol@vierbicher.com

Owner  
Starkweather, LLC  
1010 E Washington Avenue, Suite 101  
Madison, WI 53703

Developer  
Madison Area Community Land Trust (MACLT)  
902 Royster Oaks Drive, Suite 105  
Madison, WI 53714  
mason@maclt.org

## **LOCATION**

The subject property is Lot 10 of the Starkweather Plat, recorded on October 09, 2025, as Document No. 6056273.

## **PROJECT DESCRIPTION AND CONDITIONAL USE REQUEST**

The existing lot 10 was recently created as part of the Starkweather Plat. There are no improvements currently on the site other than preparations for the master development. Lot 10 is currently zoned TR-V2; the reconfigured subdivision proposed will maintain the existing zoning. The intent is to reconfigure Lot 10 to support the construction of two (2) sets of six (6) single-family attached townhouses (total of twelve (12) townhouses). The two (2) sets of single-family-attached townhouses will be separated by a shared-use lot, which will provide space for surface parking, shared storage, and shared greenspace for the future owners.

The project team is proposing review under the zoning code as a “Residential Building Complex”; which requires review by the UDC. The reason we need to review this as a Residential Building Complex is because we want to include shared parking, storage, and greenspace. The parking and the storage building are not permitted by right as principal uses. Additionally, we are requesting to decrease the front yard setback along Walter Street from twenty feet (20'-0"0 to ten feet (10'-0") so that our shared-parking does not land between the front façade and the primary street. Such setback adjustments are permitted within Residential Building Complex zoning lots, if recommended by the UDC. Other than the decreased setback along Walter Street and the shared-parking and shed/storage building, everything else follows the TR-V2 zoning requirements.

## **DEVELOPMENT STATISTICS**

Lot Area: 38,211 sf (0.877 acres)

Lot Area Individual Lots: See A010

Dwelling Units: 12

Buildings: 3 (two townhouses and one accessory structure)

Building A Footprint: 5,417 gsf

Building B Footprint: 5,542 gsf

Building C Footprint (accessory structure): 1,438 gsf under roof (866 gsf walls)

## **DESIGN**

The site is well-situated along Walter Street and Chicago Avenue of the newly platted Starkweather Plat. Directly to the north, across Chicago Avenue, will be a large park, dedicated to the city by the Starkweather Plat land developer. Directly to the east of Lot 10 will be a Starkweather Plat stormwater outlot (Outlot 6), that will have a community garden. Directly to the south of Lot 10 will be another stormwater outlot, but this outlot (Outlot 5) will have a children's playground. We have configured Lot 10 (MACLT's lot) so that each home will have direct connection through a shared lot (greenspace and parking) to both the community garden and the playground. Each connection point (to the community garden and playground) is contemplated to have a portal, or entry feature

(arbor), creating a feeling of arrival and entry, but also creating a semi-private feel so the general public knows the MACLT lot is separate from the two public-use outlots.

The townhouse building (Building 'A') with six attached single-family homes fronts Walter Street, each home has a covered entrance at the front. Each of these homes also has a private accessible rear entry, with a larger covered patio towards the rear overlooking the shared green space and community gardens. The rear entrances are all divided with landscape plantings and raised planter beds to separate the yards, contemplated as boxwood shrubs and gates at each sidewalk entry.

The townhouse building (Building 'B') also with six attached single-family homes front Chicago Avenue. Because Building B looks out over the public park, we've placed the larger covered patio to that side of the building. The rear has accessible entrances, but because it looks out over the parking area, we put more focus on the front of this building.

The shared-parking and accessory structure are central to the site. Landscape plantings, signage, and trees have been arranged along Walter Street to help hide view to the parking. The accessory structure will house trash and recycling as well as additional storage area for each dwelling unit (one per dwelling).

The site plan provides access to each throughout the site to the public way and to the outlots. Additionally, EV chargers are provided for resident use.

The architecture is a simple asymmetric gable form. The asymmetry of the gable and the break in each gable was done primarily to allow for maximum solar panels. Treating these roofs as overbuilt dormers would have reduced the number of panels we could fit on each roof. MACLT is trying to provide enough solar that these homes could be net-zero, or close. The repeating of the simple offset gable and undulations in the front façades create a pattern with a nice subtle variation.

We are exploring materials such as corrugated metal, fiber cement, and engineered strand siding.

## **ABOUT THE MACLT**

A Community Land Trust (CLT) is a non-profit organization that preserves the affordability of land for community uses, including housing, urban agriculture, and commercial space, using a long-term ground lease. The Madison Area CLT has over 60 permanently-affordable homes in our land trust, which remain affordable for low-income and first-time homebuyers over generations. An initial public subsidy makes each home affordable for families making 80% of the area median income or lower. MACLT owns the land under the home, and the homeowner leases the land from the CLT using a 98-year renewable ground lease. The homeowner agrees to pay it forward to the next buyer by selling the house at an affordable price based on a resale formula, and MACLT facilitates the sale of the home with an equity-focused policy for choosing the next buyer based on need.

**SCHEDULE**

The proposed schedule is to complete and record the subdivision process in early 2026. Construction of 12 permanently affordable townhouses is scheduled for spring or summer of 2026.

**CONCLUSION**

Thank you for your time and consideration reviewing our proposed conditional use. We look forward to your support and feedback.

Sincerely,



Jake DeHaven

Principal, Threshold Builds



## SITE | AERIAL + CONTEXT

MADISON AREA COMMUNITY LAND TRUST | LOT 10 - TOWNHOMES | DECEMBER 2025 |



## LEGEND

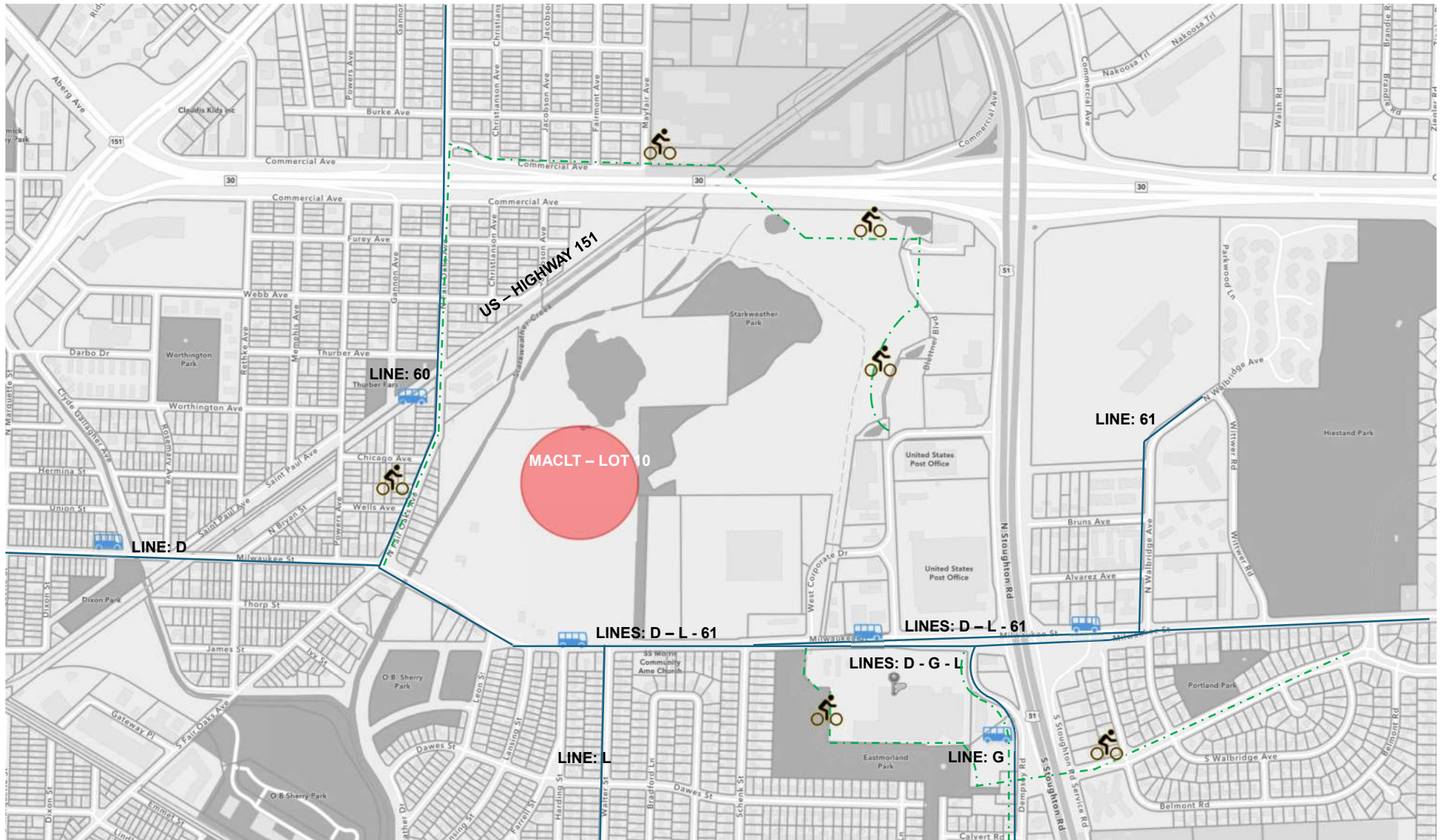
- (1) GREEN & RECREATIONAL AREAS
- (2&4) ADMINISTRATIVE & PUBLIC AMENITIES
- (3) MACLT – LOT 10
- (5) HEALTHCARE FACILITIES
- (6&9) EDUCATIONAL BUILDINGS / SCHOOLS
- (7&10) COMMERCIAL AMENITIES
- (8) RELIGIOUS BUILDINGS - CHURCH



## SITE | AERIAL + CONTEXT

MADISON AREA COMMUNITY LAND TRUST | LOT 10 - TOWNHOMES | DECEMBER 2025 |



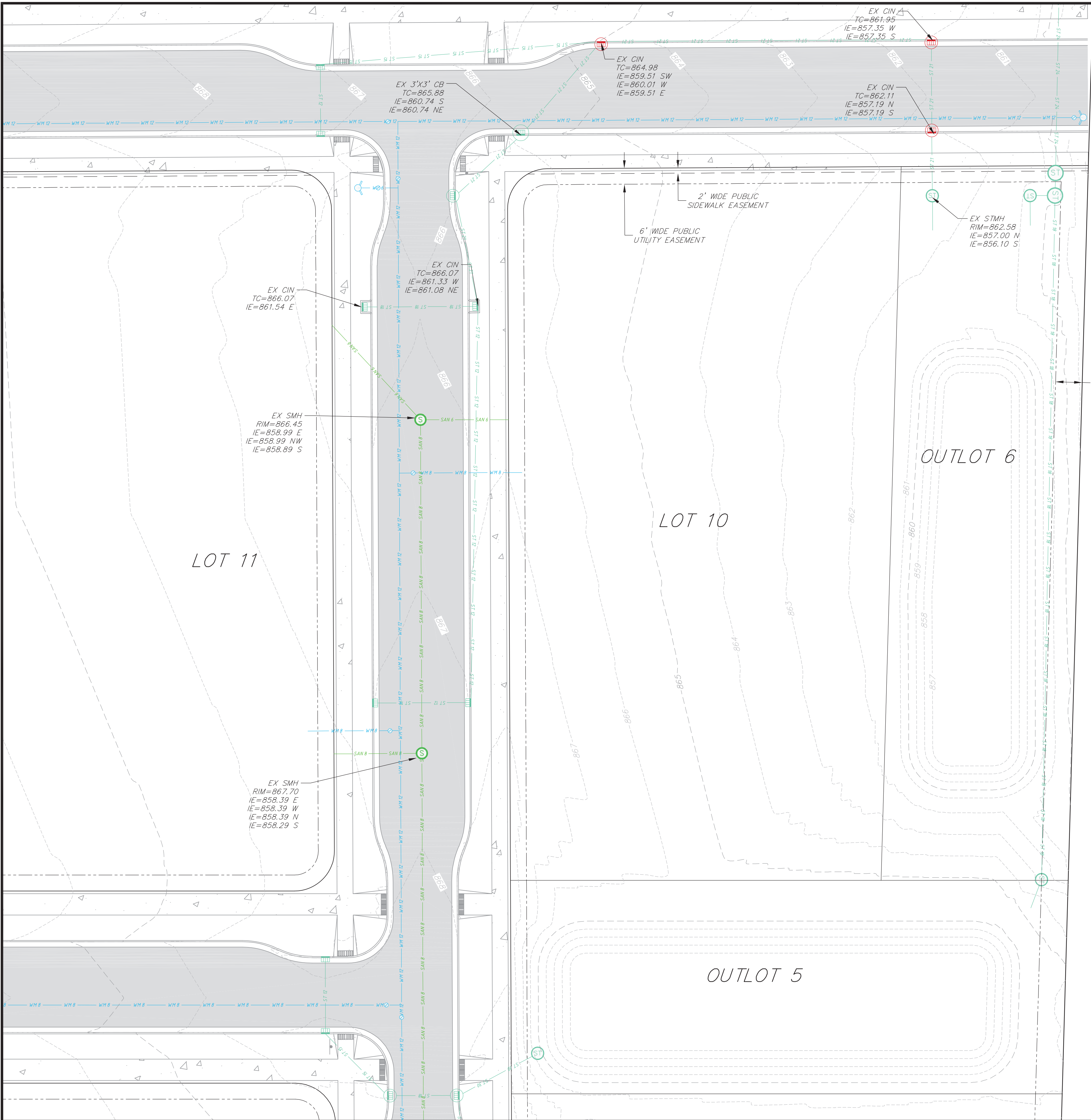


# SITE | ACCESS + LINKAGES

MADISON AREA COMMUNITY LAND TRUST | LOT 10 - TOWNHOMES | DECEMBER 2025 |

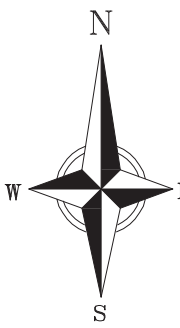






TOPOGRAPHIC SYMBOL LEGEND

- EXISTING CURB INLET
- EXISTING ENDWALL
- EXISTING STORM MANHOLE
- EXISTING SANITARY MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING WATER MAIN VALVE



GRAPHIC SCALE, FEET  
0 10 20 40

*SURVEYED FOR:*  
MADISON AREA COMMUNITY  
LAND TRUST  
902 ROYSTER OAKS DRIVE  
SUITE 105  
MADISON, WI 53714  
  
*SURVEYED BY:*  
Vierbicher Associates, Inc.  
999 Fourier Drive,  
Suite 201  
Madison, WI 53717  
(608) 826-0532

TOPOGRAPHIC LINEWORK LEGEND

- EXISTING SANITARY SEWER LINE (SIZE NOTED)
- EXISTING STORM SEWER LINE (SIZE NOTED)
- EXISTING EDGE OF TREES
- EXISTING WATER MAIN (SIZE NOTED)
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING EDGE OF PAVEMENT
- EXISTING EDGE OF GRAVEL
- EXISTING GRAVEL SURFACE
- EXISTING CONCRETE SURFACE
- EXISTING ASPHALT SURFACE

GENERAL NOTES:

- This plan is based upon proposed development plans received from the City of Madison, Project No. 15389, Contract No. 9559. The plans provided are not final and are subject to change. This includes but is not limited to; utility locations, utility inverts, road alignment, road cross section and elevations of all hardscape.
- This plan is referenced to the Wisconsin County Coordinate System--Dane Zone, NAD 83 (2011). Elevations are referenced to NAVD 88 (2012) datum.
- No attempt has been made as a part of this plan to obtain or show data concerning condition, or capacity of any utility or municipal/public service facility. For information regarding these utilities contact the appropriate agencies.
- Surveyor has made no investigation or independent search for easements of record, encumbrances, restrictive covenants, or ownership title evidence, or any other facts that a title search might reveal.



THE LOCATION OF EXISTING UTILITIES, BOTH UNDERGROUND AND OVERHEAD ARE APPROXIMATE ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT, BEFORE COMMENCING WORK, AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.

CALL DIGGER'S HOTLINE  
1-800-242-8511

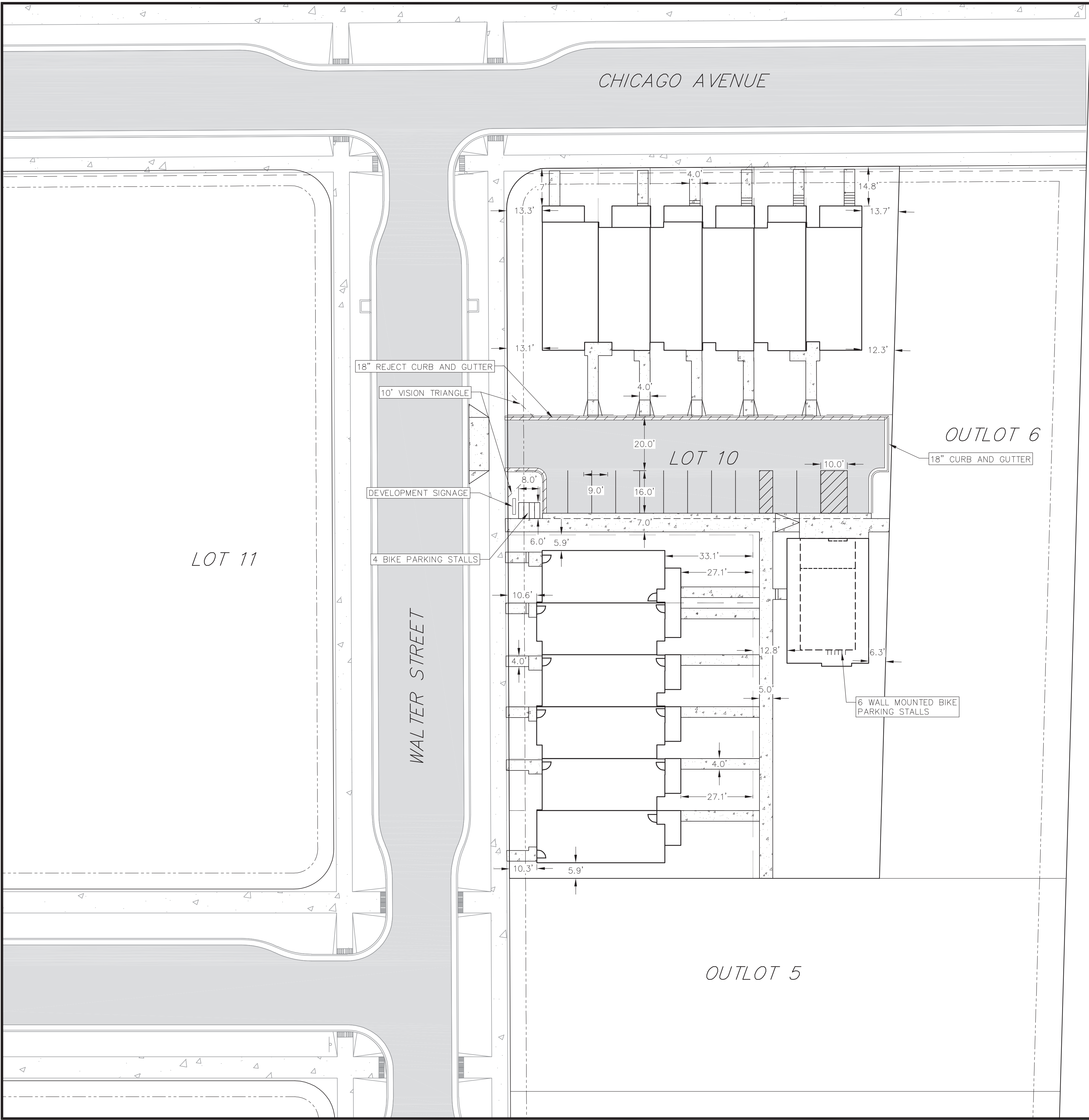
Existing Conditions  
Lot 10, Starkweather Plat  
City of Madison  
Dane County, Wisconsin

REVISIONS NO.	DATE	REMARKS	REVISIONS NO.	DATE	REMARKS

DATE 12/15/2025
DRAWN ZDRE
CHECKED RKOL
PROJECT NO. 250040

C100





**SITE PLAN LEGEND**

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

**ABBREVIATIONS**

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

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

**vierbicher**  
planners engineers advisors

**Site Plan**  
Lot 10, Starkweather Plat  
City of Madison  
Dane County, Wisconsin

REVISIONS		REVISIONS	
NO.	DATE	NO.	DATE

DATE  
12/15/2025

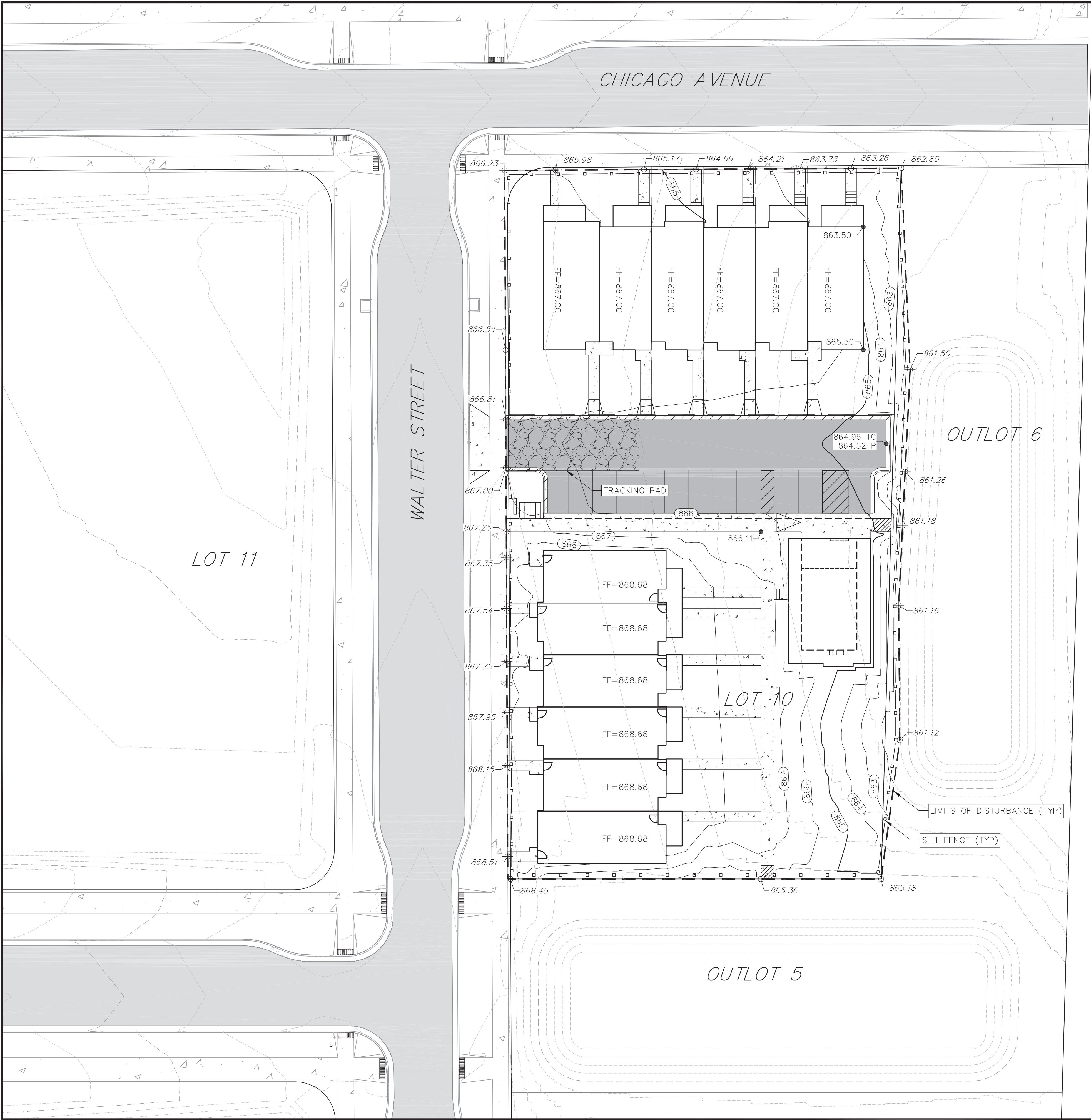
DRAFTER  
ZDRE

CHECKED  
RKOL

PROJECT NO.  
250040

**C101**





**GRADING LEGEND**

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


**GRAPHIC SCALE, FEET**

0 10 20 40

**ABBREVIATIONS**

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

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



**vierbicher**  
planners engineers advisors

**Grading Plan**  
Lot 10, Starkweather Plat  
City of Madison  
Dane County, Wisconsin

REVISIONS	REVISIONS		REMARKS
	NO.	DATE	

DATE  
12/15/2025

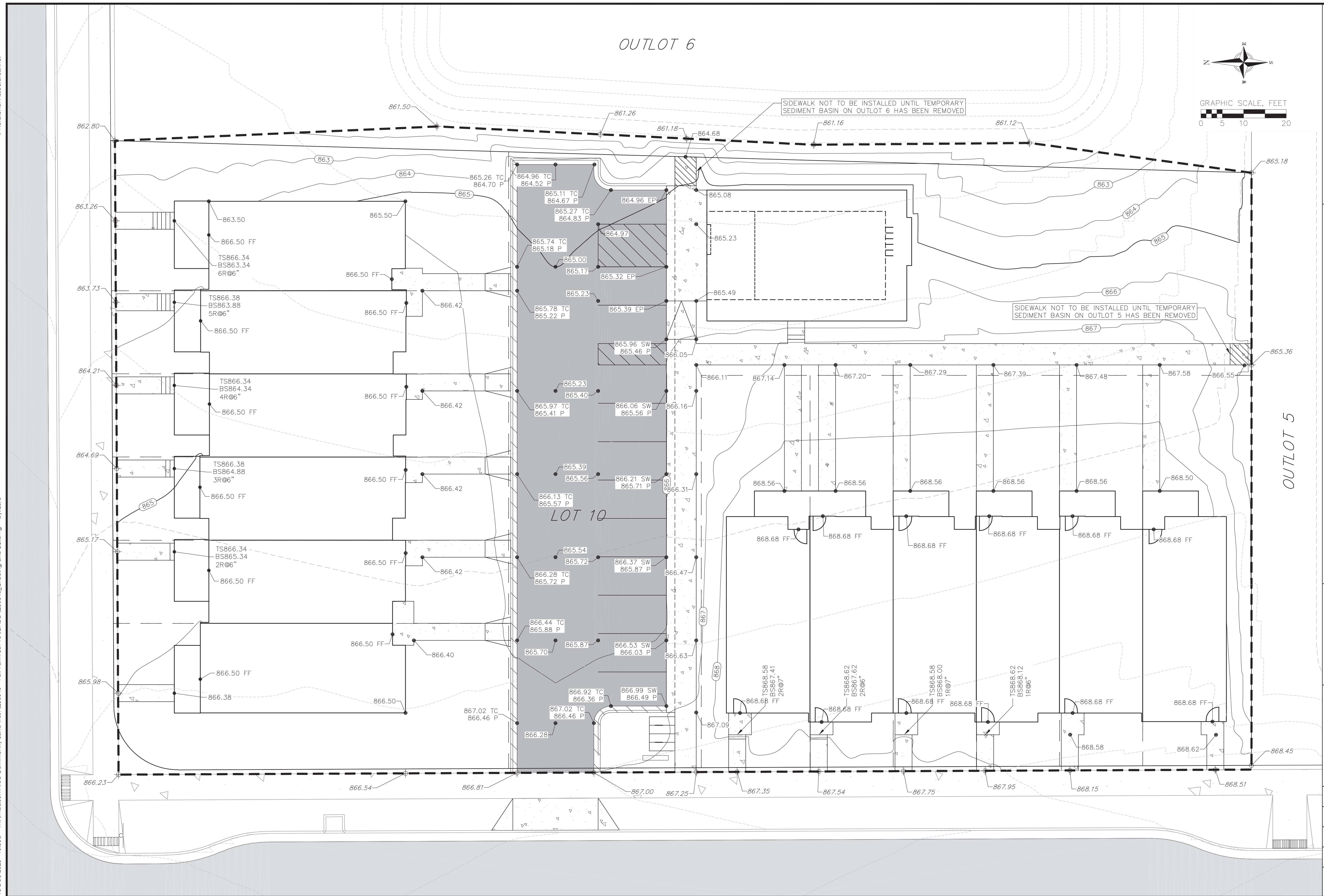
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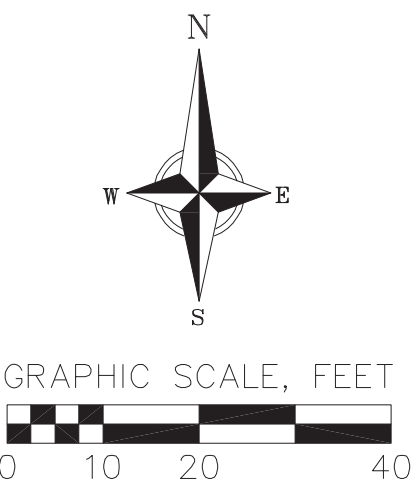
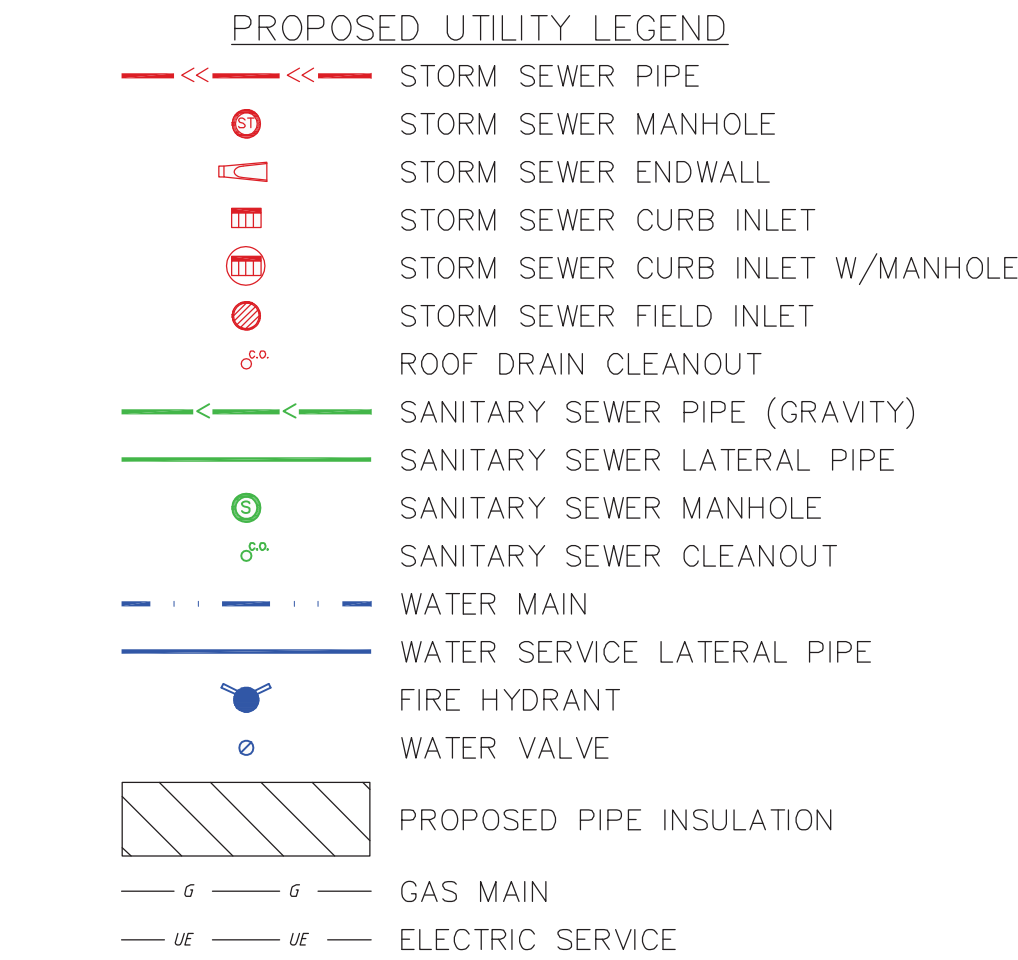
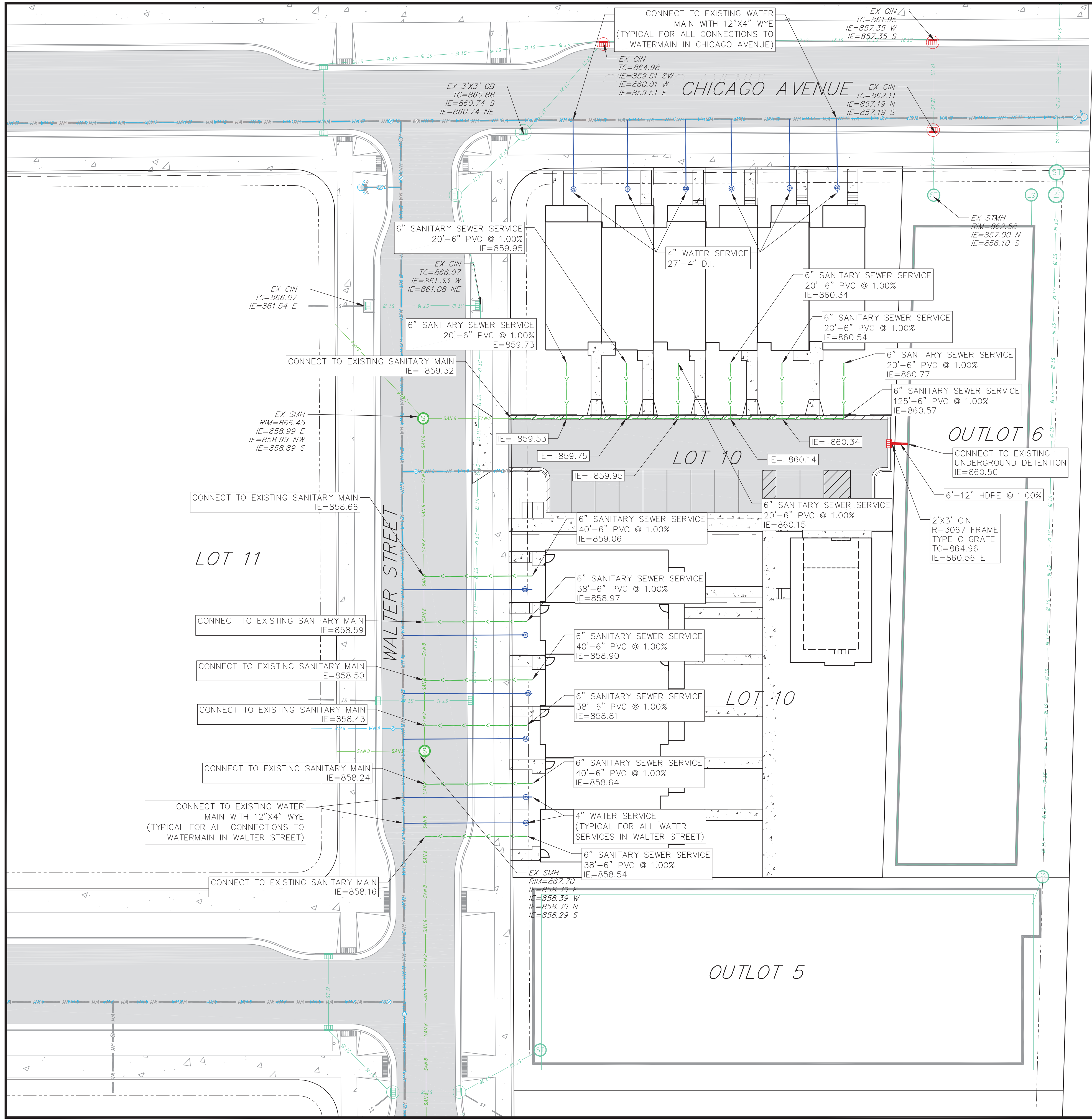
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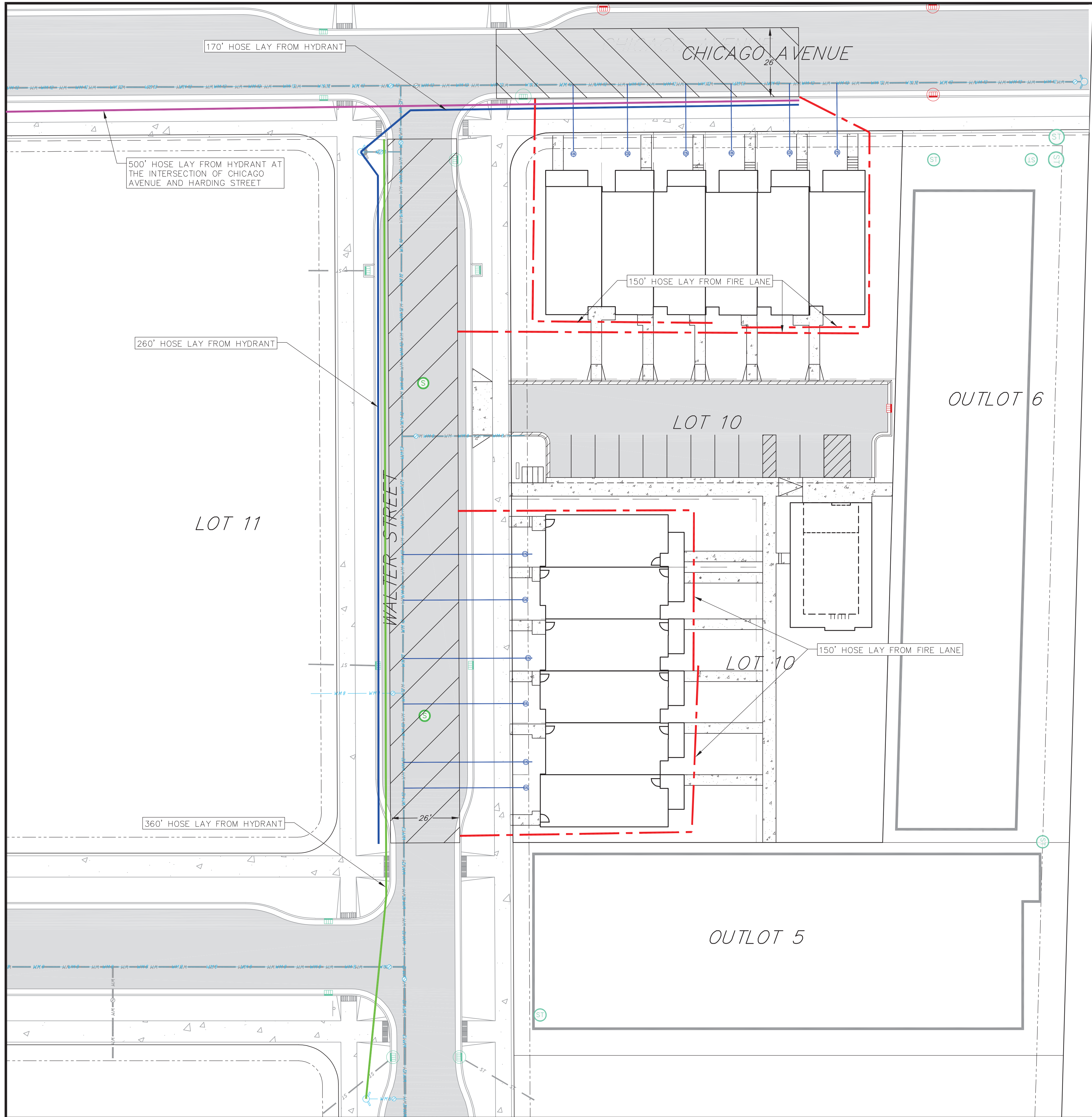
**ABBREVIATIONS**

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

- UTILITY NOTES:**
- CONTRACTOR SHALL OBTAIN ANY NECESSARY WORK IN RIGHT OF WAY, EXCAVATION, UTILITY CONNECTION, PLUGGING AND ABANDONMENT PERMITS PRIOR TO CONSTRUCTION.
  - CONTRACTOR TO VERIFY EXISTING UTILITY LOCATIONS AND ELEVATIONS PRIOR TO STARTING WORK.
  - SANITARY & STORM SEWER LENGTHS SHOWN ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. STORM SEWER END SECTIONS ARE INCLUDED IN THE LENGTH AND SLOPE OF THE PIPE.
  - CONTRACTOR SHALL INVESTIGATE ALL UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL UTILITY STRUCTURES TO FINISHED GRADE (MANHOLE RIMS, WATER VALVES, AND CURB STOPS), IF NECESSARY.
  - IF DEWATERING OPERATIONS EXCEED 70 GALLONS PER MINUTE OF PUMPING CAPACITY, A DEWATERING WELL PERMIT SHALL BE OBTAINED PRIOR TO STARTING ANY DEWATERING ACTIVITIES.
  - A COPY OF THE APPROVED UTILITY PLANS, SPECIFICATIONS AND PLUMBING PERMIT APPROVAL LETTER SHALL BE ON-SITE DURING CONSTRUCTION AND OPEN TO INSPECTION BY AUTHORIZED REPRESENTATIVES OF THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES AND OTHER LOCAL INSPECTORS.
  - PROPOSED UTILITY SERVICE LINES SHOWN ARE APPROXIMATE. COORDINATE THE EXACT LOCATIONS WITH THE PLUMBING DRAWINGS. COORDINATE THE LOCATION WITH THE PLUMBING CONTRACTOR AND/OR OWNER'S CONSTRUCTION REPRESENTATIVE PRIOR TO INSTALLATION OF ANY NEW UTILITIES.
  - STORM BUILDING SEWER PIPE SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-6 OF SPS 384.30(3)(c).
  - UNDERGROUND DRAIN AND VENT PIPE/TUBING SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-2 OF SPS 384.30(2).
  - PRIVATE WATER SERVICES AND PRIVATE WATER MAINS SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-7 OF SPS 384.30(4)(d).
  - PRIVATE SANITARY SEWER AND LATERALS SHALL BE POLYVINYL CHLORIDE (PVC) ASTM D3034 - SDR 35 OR APPROVED EQUAL MATERIAL THAT CONFORMS TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-3 OF SPS 384.30(2)(c).
  - A MEANS TO LOCATE BURIED UNDERGROUND EXTERIOR NON METALLIC SEWERS/MAINS AND WATER SERVICES/MAINS MUST BE PROVIDED WITH TRACER WIRE OR OTHER METHODS IN ORDER TO BE LOCATED PER SPS 382.30(11)(h) AND SPS 382.40(8)(k).
  - EXTERIOR WATER SUPPLY PIPING SETBACKS AND CROSSINGS SHALL BE IN ACCORDANCE WITH SPS 382.40(8)(b).
  - NO PERSON MAY ENGAGE IN PLUMBING WORK IN THE STATE UNLESS LICENSED TO DO SO BY THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES PER S.145.06.
  - SITE CONTRACTOR SHALL LEAVE SANITARY AND WATER LATERALS FIVE (5) FEET SHORT (HORIZONTALLY) FROM THE BUILDING. BUILDING PLUMBER SHALL VERIFY SIZE, LOCATION, AND INVERT ELEVATION OF PROPOSED SANITARY AND WATER LATERALS.
  - IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE EXISTING VALVES WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. THE CITY IS NOT RESPONSIBLE FOR ANY COSTS INCURRED DUE TO THE CONTRACTOR NOT VERIFYING THAT THE EXISTING VALVE WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. IF A NEW VALVE IS REQUIRED, THE APPLICANT WILL BE REQUIRED TO INSTALL ONE AT THEIR EXPENSE, AT THE POINT OF CONNECTION.
  - CONTRACTOR TO CHLORINATE AND BACTERIA TEST BEFORE DOMESTIC SUPPLY PURPOSES
  - CLEAN OUT ALL EXISTING AND PROPOSED STORM INLETS AND CATCH BASINS AT THE COMPLETION OF CONSTRUCTION.
  - SANITARY SEWER MAIN AT BURY DEPTHS GREATER THAN 15' SHALL BE SDR 26. ALL OTHER SANITARY SEWER MAIN SHALL BE SDR 35.
  - CONTRACTOR SHALL COORDINATE WITH DRY UTILITY COMPANY'S REGARDING ANY POTENTIAL CONFLICTS AND COORDINATE RELOCATIONS AS MAY BE REQUIRED. CONTRACTOR SHALL ALSO COORDINATE THE PROPOSED INSTALLATION OF NEW FACILITIES AS REQUIRED.
  - ALL WATER MAIN AND SERVICES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 6.5' FROM TOP OF FINISHED GRADE ELEVATION TO TOP OF MAIN. PROVIDE 1.5' CLEAR SEPARATION IF WATER CROSSES BELOW SEWER AND MINIMUM 0.5' IF WATER CROSSES ABOVE.
  - SANITARY MANHOLES WITH SEWER MAIN CONNECTIONS GREATER THAN 2' ABOVE THE LOWEST INVERT SHALL BE CONSTRUCTED WITH AN EXTERNAL DROP. MANHOLES WITH SEWER LATERAL CONNECTIONS GREATER THAN 2' ABOVE THE LOWEST INVERT SHALL BE CONSTRUCTED WITH AN INTERNAL DROP.
  - INSTALL 1 SHEET OF 4'x8'x4" HIGH DENSITY STYROFOAM INSULATION AT ALL LOCATIONS WHERE STORM SEWER CROSSES WATER MAIN OR WATER LATERALS.

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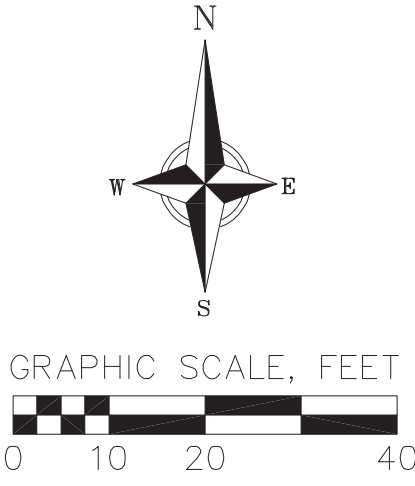




**FIRE ACCESS LEGEND**

- HOSE LAY FROM FIRE LANE
- HOSE LAY FROM HYDRANT
- EXISTING FIRE LANE
- EXISTING WATER MAIN
- EXISTING FIRE HYDRANT
- EXISTING FIRE DEPARTMENT CONNECTION
- WATER MAIN
- FIRE HYDRANT
- FIRE DEPARTMENT CONNECTION
- FIRE LANE NO PARKING SIGN (12"x18")
- LOCATION(S) TO BE DETERMINED BY FIRE DEPARTMENT OR MUNICIPALITY

**NO PARKING FIRE LANE**



**ABBREVIATIONS**

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

NOTE:  
PROPOSED BUILDING EAVE HEIGHT = 25'

**Fire Access Plan**  
Lot 10, Starkweather Plat  
City of Madison  
Dane County, Wisconsin

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DATE	12/15/2025
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EROSION CONTROL MEASURES

1. EROSION CONTROL SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON EROSION CONTROL ORDINANCE AND CHAPTER NR 216 OF THE WISCONSIN ADMINISTRATIVE CODE.
2. CONSTRUCT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH WISCONSIN DNR TECHNICAL STANDARDS (<http://dnr.wi.gov/runoff/stormwater/techstds.htm>) AND WISCONSIN CONSTRUCTION SITE BEST MANAGEMENT PRACTICE HANDBOOK.
3. INSTALL SEDIMENT CONTROL PRACTICES (TRACKING PAD, PERIMETER SILT FENCE, INLET PROTECTION, SEDIMENT BASINS, ETC.) PRIOR TO INITIATING OTHER LAND DISTURBING CONSTRUCTION ACTIVITIES.
4. THE CONTRACTOR IS REQUIRED TO MAKE EROSION CONTROL INSPECTIONS AT THE END OF EACH WEEK AND WHEN 0.5 INCHES OF RAIN FALLS WITHIN 24 HOURS. INSPECTION REPORTS SHALL BE PREPARED AND FILED AS REQUIRED BY THE CITY, DNR AND/OR COUNTY. ALL MAINTENANCE WILL FOLLOW AN INSPECTION WITHIN 24 HOURS.
5. EROSION CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ACCEPTANCE OF THIS PROJECT. EROSION CONTROL MEASURES AS SHOWN SHALL BE THE MINIMUM PRECAUTIONS THAT WILL BE ALLOWED. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED IN WRITING BY THE STATE OR LOCAL INSPECTORS, OR THE DEVELOPER'S ENGINEER, SHALL BE INSTALLED WITHIN 24 HOURS.
6. A 3" CLEAR STONE TRACKING PAD SHALL BE INSTALLED AT THE END OF ROAD CONSTRUCTION LIMITS TO PREVENT SEDIMENT FROM BEING TRACKED ONTO THE ADJACENT PAVED PUBLIC ROADWAY. SEDIMENT TRACKING PAD SHALL CONFORM TO WisDNR TECHNICAL STANDARD 1057. SEDIMENT REACHING THE PUBLIC ROAD SHALL BE REMOVED BY STREET CLEANING (NOT HYDRAULIC FLUSHING) BEFORE THE END OF EACH WORK DAY.
7. STABILIZED DISTURBED GROUND: ANY SOIL OR DIRT PILES WHICH WILL REMAIN IN EXISTENCE FOR MORE THAN 7-CONSECUTIVE DAYS, WHETHER TO BE WORKED DURING THAT PERIOD OR NOT, SHALL NOT BE LOCATED WITHIN 25-FEET OF ANY ROADWAY, PARKING LOT, PAVED AREA, OR DRAINAGE STRUCTURE OR CHANNEL (UNLESS INTENDED TO BE USED AS PART OF THE EROSION CONTROL MEASURES). TEMPORARY STABILIZATION AND CONTROL MEASURES (SEEDING, MULCHING, TARPING, EROSION MATTING, BARRIER FENCING, ETC.) ARE REQUIRED FOR THE PROTECTION OF DISTURBED AREAS AND SOIL PILES, WHICH WILL REMAIN UN-WORKED FOR A PERIOD OF MORE THAN 7-CONSECUTIVE CALENDAR DAYS. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SITE HAS STABILIZED.
8. INLET FILTERS ARE TO BE PLACED IN STORMWATER INLET STRUCTURES AS SOON AS THEY ARE INSTALLED. ALL PROJECT AREA STORM INLETS NEED FRAMED INLET PROTECTION IN ACCORDANCE WITH THE CITY'S STANDARD SPECIFICATION FOR PUBLIC WORKS IMPROVEMENTS. THE FILTERS SHALL BE MAINTAINED UNTIL THE SITE IS CONSIDERED STABLE.
9. TERRACES SHALL BE RESTORED WITH 6" TOPSOIL, PERMANENT SEED, FERTILIZER AND MULCH. LOTS SHALL BE RESTORED WITH 6" TOPSOIL, TEMPORARY SEED, FERTILIZER AND MULCH.
10. SEED, FERTILIZER AND MULCH SHALL BE APPLIED WITHIN 7 DAYS AFTER FINAL GRADE HAS BEEN ESTABLISHED. IF DISTURBED AREAS WILL NOT BE RESTORED IMMEDIATELY AFTER ROUGH GRADING, TEMPORARY SEED SHALL BE PLACED.
11. FOR THE FIRST SIX WEEKS AFTER RESTORATION (E.G. SEED & MULCH, EROSION MAT, SOD) OF A DISTURBED AREA, INCLUDE SUMMER WATERING PROVISIONS OF ALL NEWLY SEEDED AND MULCHED AREAS WHENEVER 7 DAYS ELAPSE WITHOUT A RAIN EVENT.
12. SILT FENCE OR EROSION MAT SHALL BE INSTALLED ALONG THE CONTOURS AT 100 FOOT INTERVALS DOWN THE SLOPE ON THE DISTURBED SLOPES STEEPER THAN 5% AND MORE THAN 100 FEET LONG THAT SHEET FLOW TO THE ROADWAY UNLESS SOIL STABILIZERS ARE USED.
13. SEDIMENT SHALL BE CLEANED FROM STREETS AND ROADSIDE DITCHES AFTER EACH RAINFALL AND PRIOR TO PROJECT ACCEPTANCE.
14. ALL CONSTRUCTION ENTRANCES SHALL HAVE TEMPORARY ROAD CLOSED SIGNS THAT WILL BE IN PLACE WHEN THE ENTRANCE IS NOT IN USE AND AT THE END OF EACH DAY.
15. ANY PROPOSED CHANGES TO THE EROSION CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY THE CITY AND WISCONSIN DNR.
16. THE CITY, WISCONSIN DNR, OWNER AND/OR ENGINEER MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES AT ANY TIME DURING CONSTRUCTION.

SEEDING RATES:

TEMPORARY:

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

AFTER SEPTEMBER 15.

PERMANENT:

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

FERTILIZING RATES:

TEMPORARY AND PERMANENT:

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

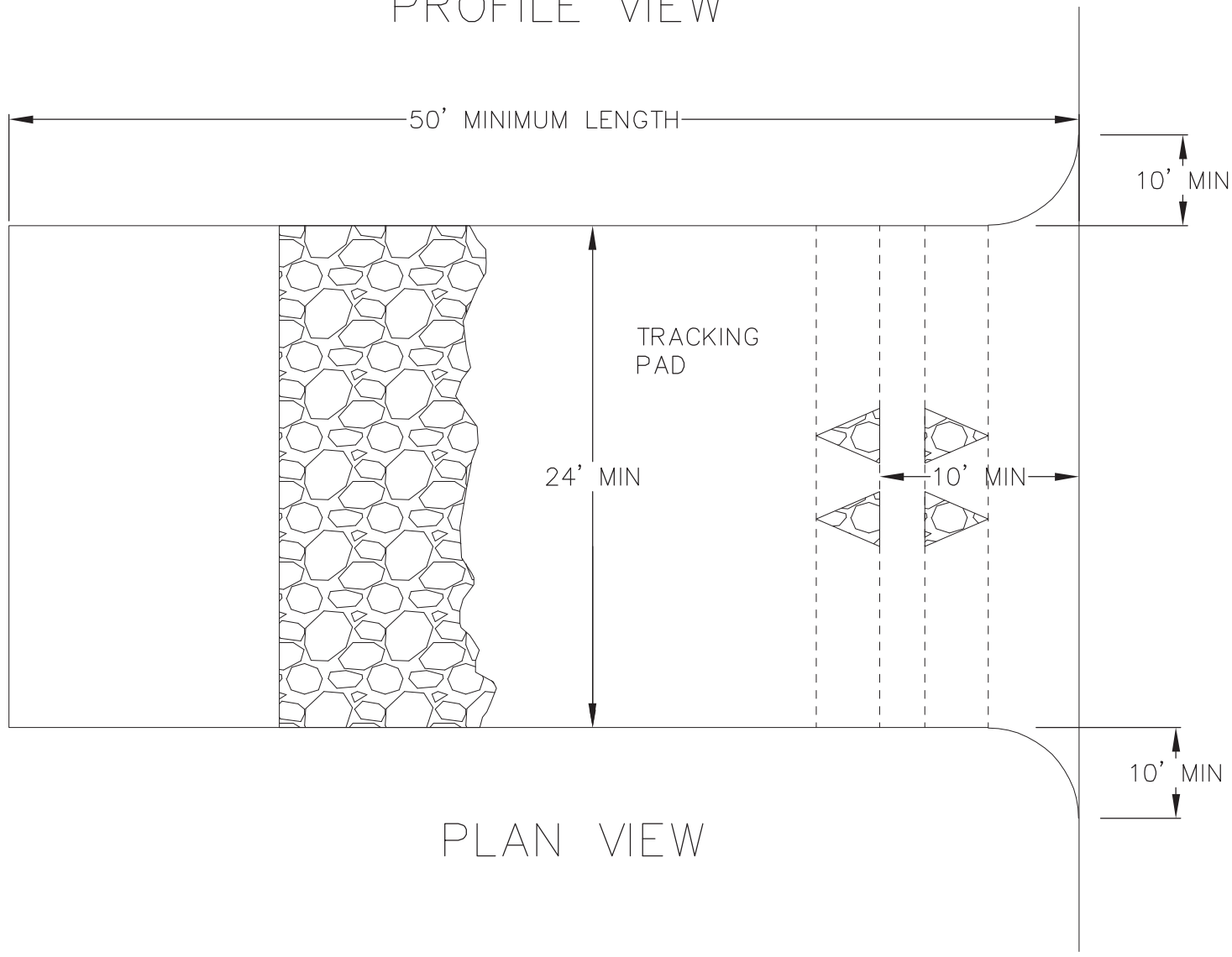
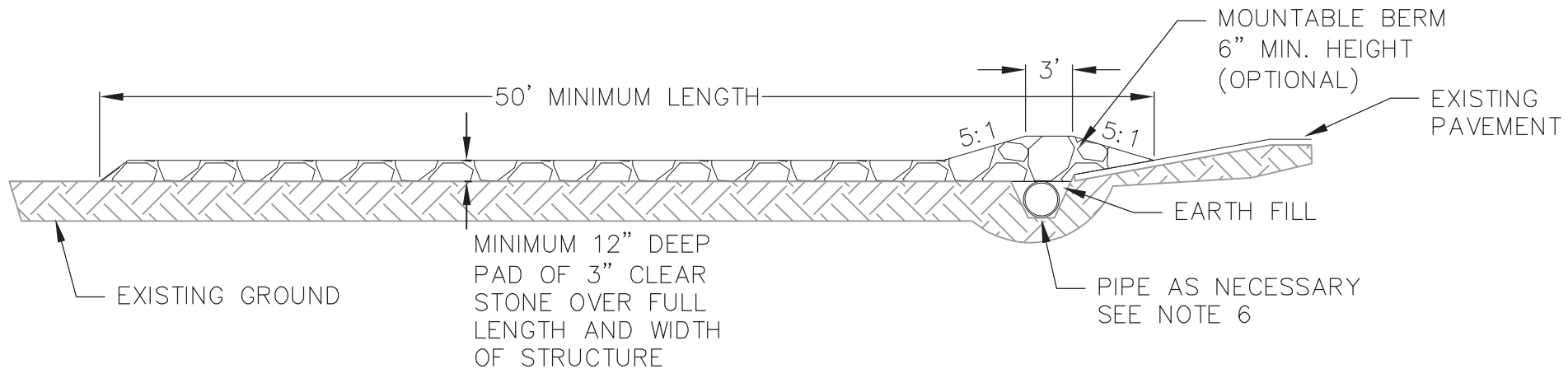
MULCHING RATES:

TEMPORARY AND PERMANENT:

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

CONSTRUCTION SEQUENCE:

1. INSTALL SILT FENCE, INLET PROTECTION AND TRACKING PAD.
2. STRIP TOPSOIL.
3. INSTALL SILT FENCE AROUND TOPSOIL STOCK PILE.
4. ROUGH GRADE STREETS & LOTS TO SUBGRADE (PER PLAN)
5. CONSTRUCT TEMPORARY SEDIMENT BASINS.
6. RESTORE LOT AREAS – TOPSOIL, SEED, FERTILIZE AND MULCH.
7. CONSTRUCT TEMPORARY STONE WEEPERS AND EARTHEN BERMS.
8. CONSTRUCT UNDERGROUND UTILITIES.
9. INSTALL INLET PROTECTION IN NEW STORM SEWER STRUCTURES.
10. CONSTRUCT ROADS (STONE BASE, CURB & GUTTER, AND SIDEWALK AND ASPHALTIC PAVEMENT).
11. RESTORE TERRACES – TOPSOIL, PERMANENT SEED AND FERTILIZE.
12. CONSTRUCT STORMWATER MANAGEMENT FACILITIES AND RESTORE.
13. REMOVE TRACKING PAD, SILT FENCE AND INLET PROTECTION AFTER DISTURBED AREAS ARE RESTORED.



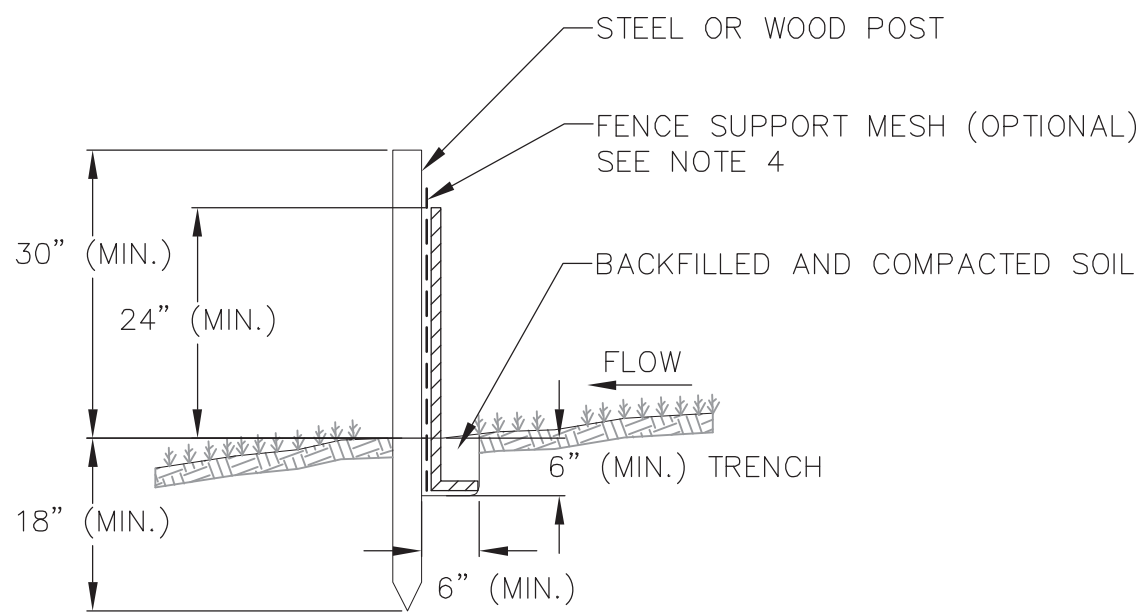
1. FOLLOW WISCONSIN DNR TECHNICAL STANDARD 1057 FOR FURTHER DETAILS AND INSTALLATION.
2. LENGTH – MINIMUM OF 50'
3. WIDTH – 24' MINIMUM, SHOULD BE FLARED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
4. ON SITES WITH A HIGH GROUND WATER TABLE OR WHERE SATURATED CONDITIONS EXIST, GEOTEXTILE FABRIC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

1

TRACKING PAD

6.0

NOT TO SCALE



NOTES:


1. INSTALL SILT FENCE TO FOLLOW THE GROUND CONTOURS AS CLOSELY AS POSSIBLE.
2. CURVE THE SILT FENCE UP THE SLOPE TO PREVENT WATER FROM RUNNING AROUND THE ENDS.
3. POST SPACING WITH FENCE SUPPORT MESH = 10 FT. (MAX.)
- POST SPACING WITHOUT FENCE SUPPORT MESH = 6 FT. (MAX.)
4. SILT FENCE SUPPORT MESH CONSISTS OF 14-GAUGE STEEL WIRE WITH A MESH SPACING OF 6 IN. X 6 IN. OR PREFABRICATED POLYMERIC MESH OF EQUIVALENT STRENGTH

2

SILT FENCE

6.0

NOT TO SCALE



vierbicher

planners | engineers | advisors

Construction Details

Lot 10, Starkweather Plat

City of Madison

Dane County, Wisconsin

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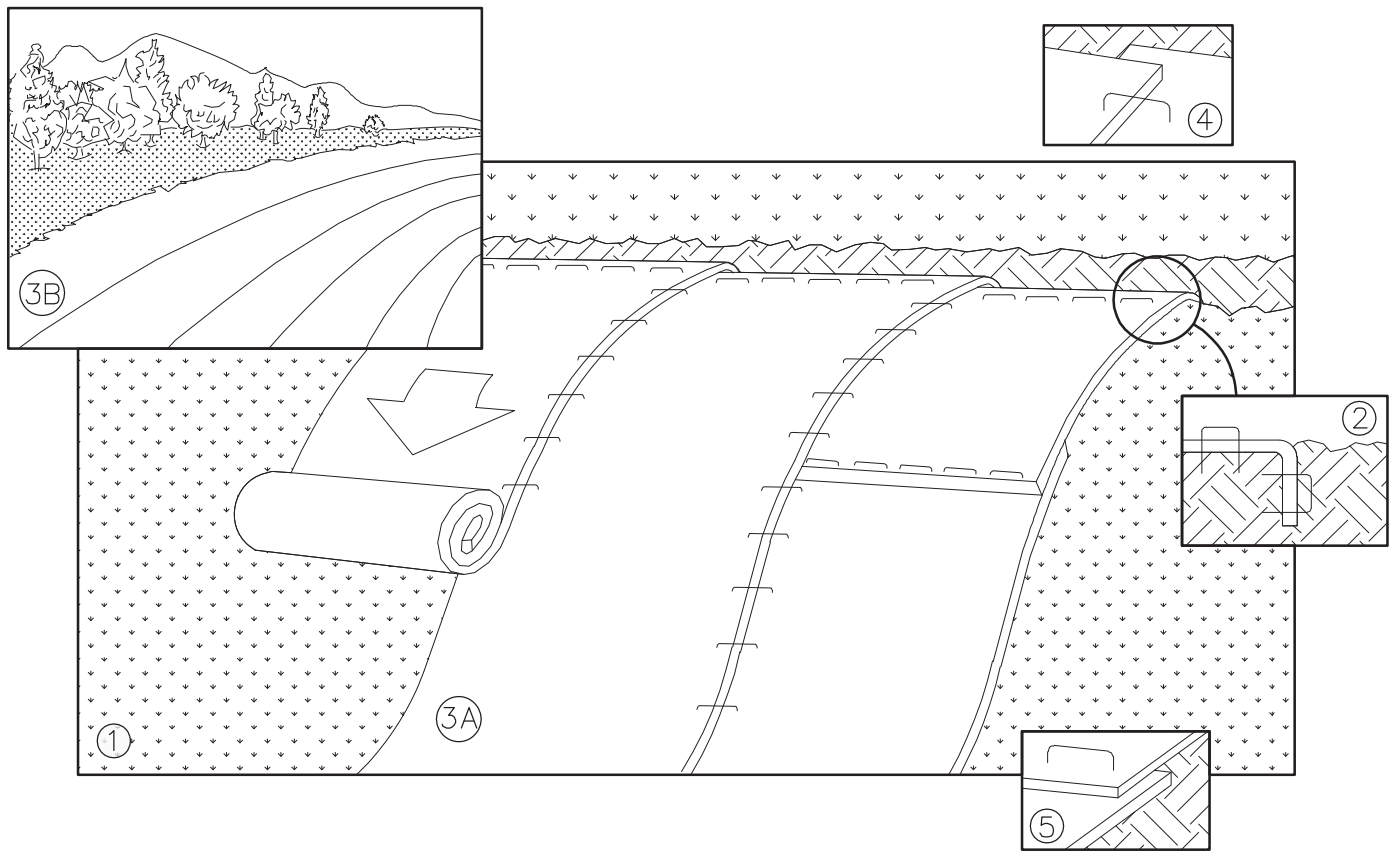
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NOTE: REFER TO GENERAL STAPLE PATTERN GUIDE FOR CORRECT STAPLE PATTERN RECOMMENDATIONS FOR SLOPE INSTALLATIONS.

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

1

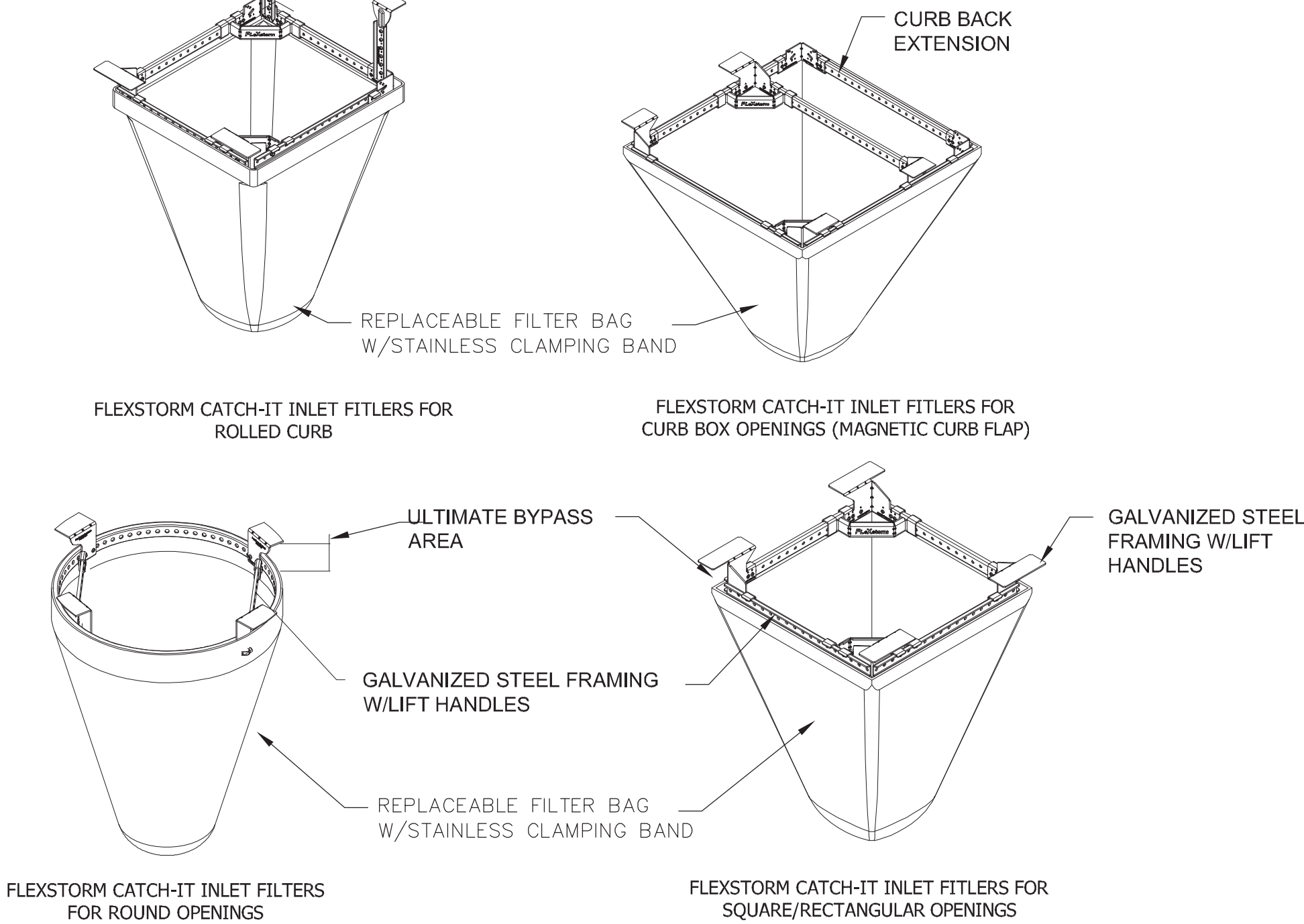
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INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

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



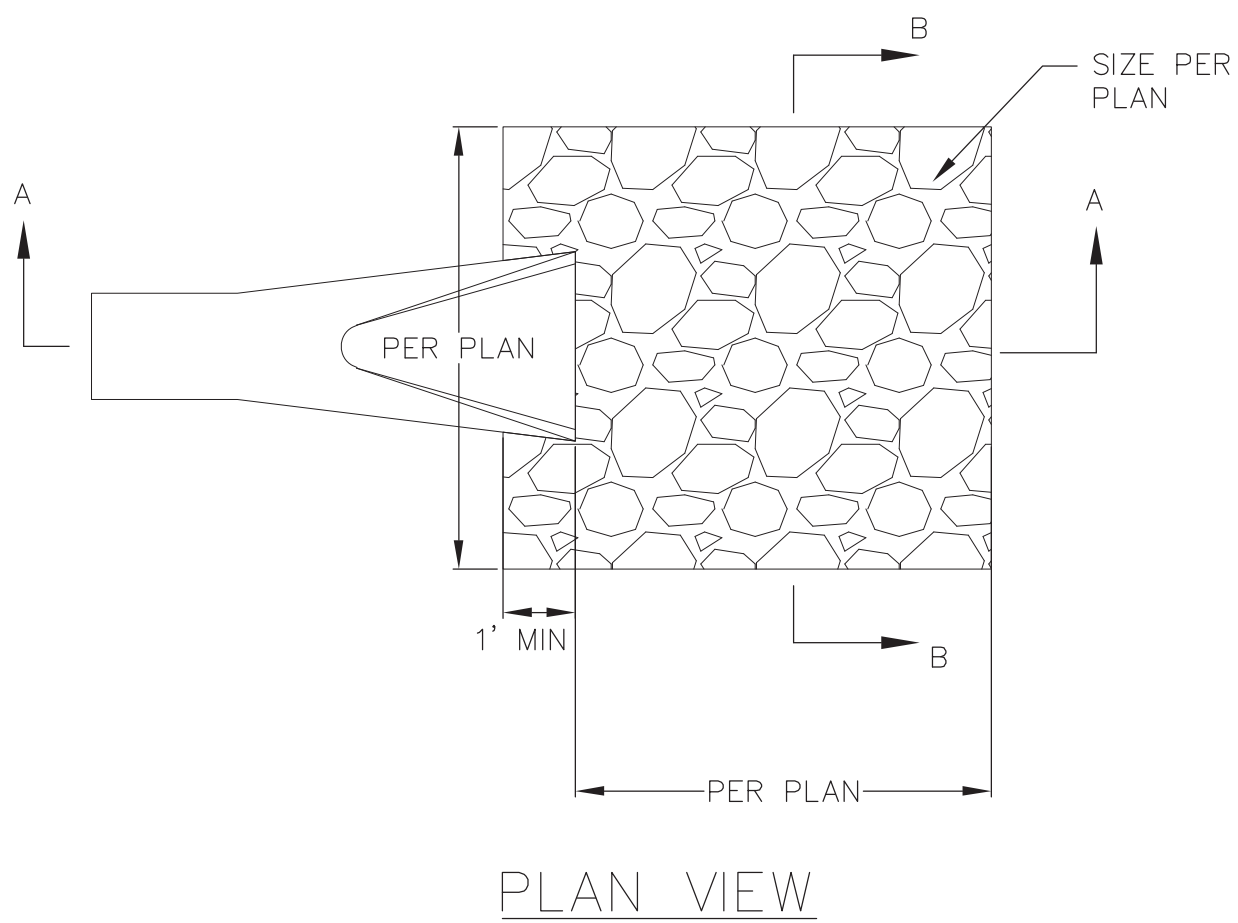
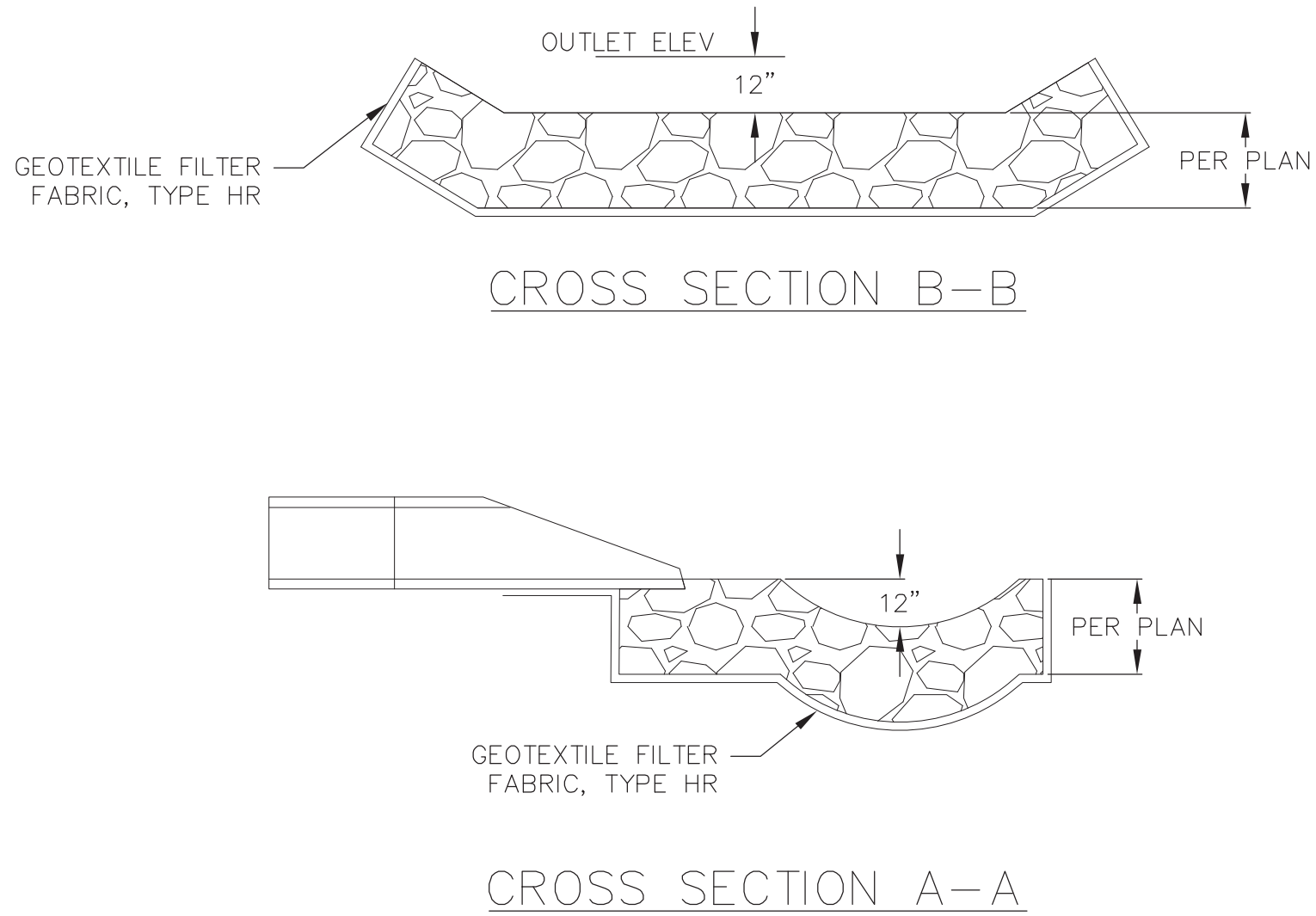
NEENAH CASTING	INLET TYPE	GRATE SIZE	OPENING SIZE	ADS P/N
1040/1642/1733	ROUND	26	24	62MRDFX
3067 W/FLAP	CURB BOX	35.25 X 17.75	33.0 X 15.0	62LCBEXTFX
3067 EXTENDED BACK	CURB BOX	35.25 X 17.75	33.0 X 15.0	62LCBEXTFX
3246A	CURB BOX	35.75 X 23.875	33.5 X 21.0	62LCBFX
3030	SQUARE/RECT	23 X 16	20.5 X 13.5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

2

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FRAMED INLET PROTECTION

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3

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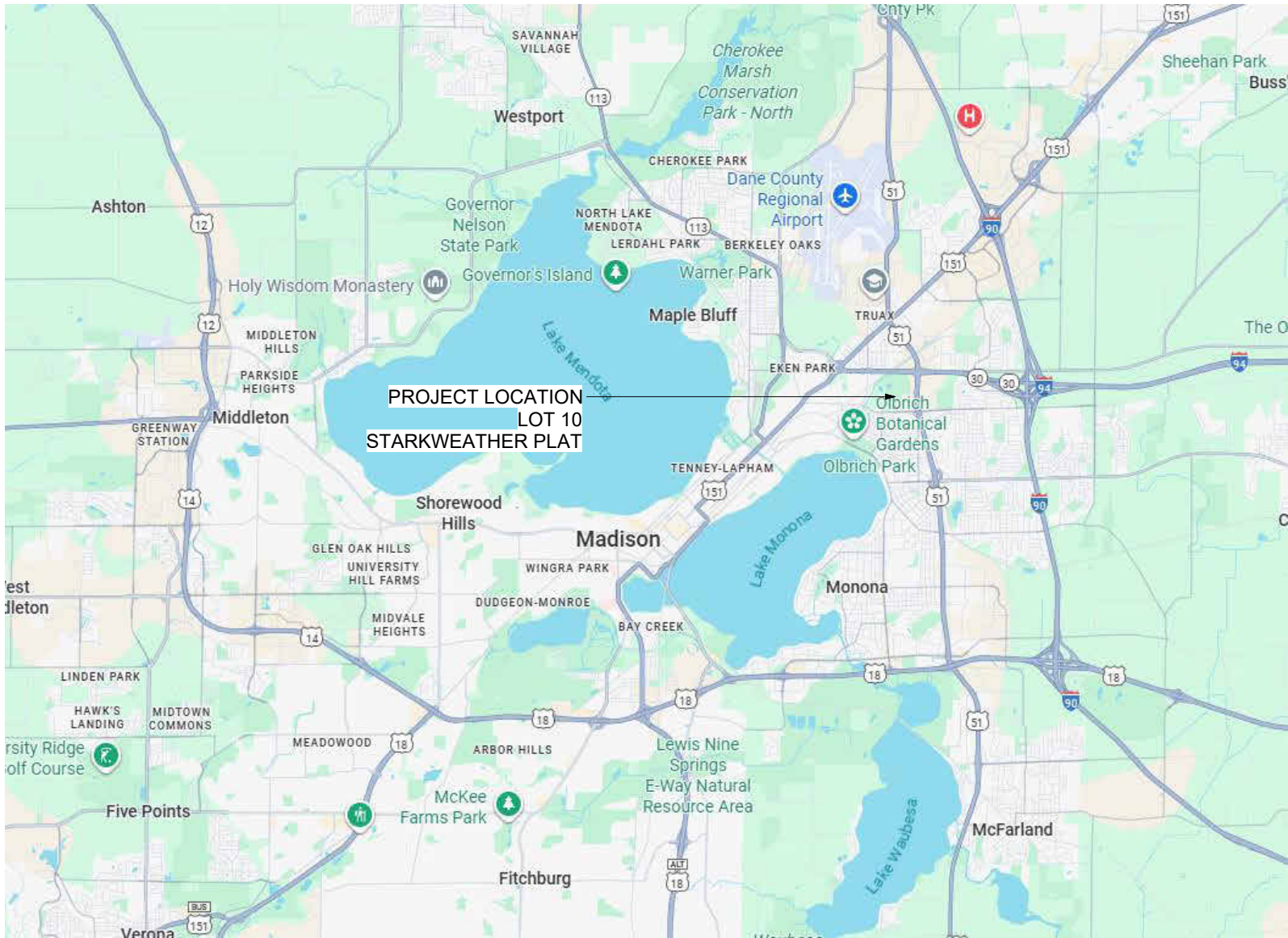
RIP-RAP OUTLET

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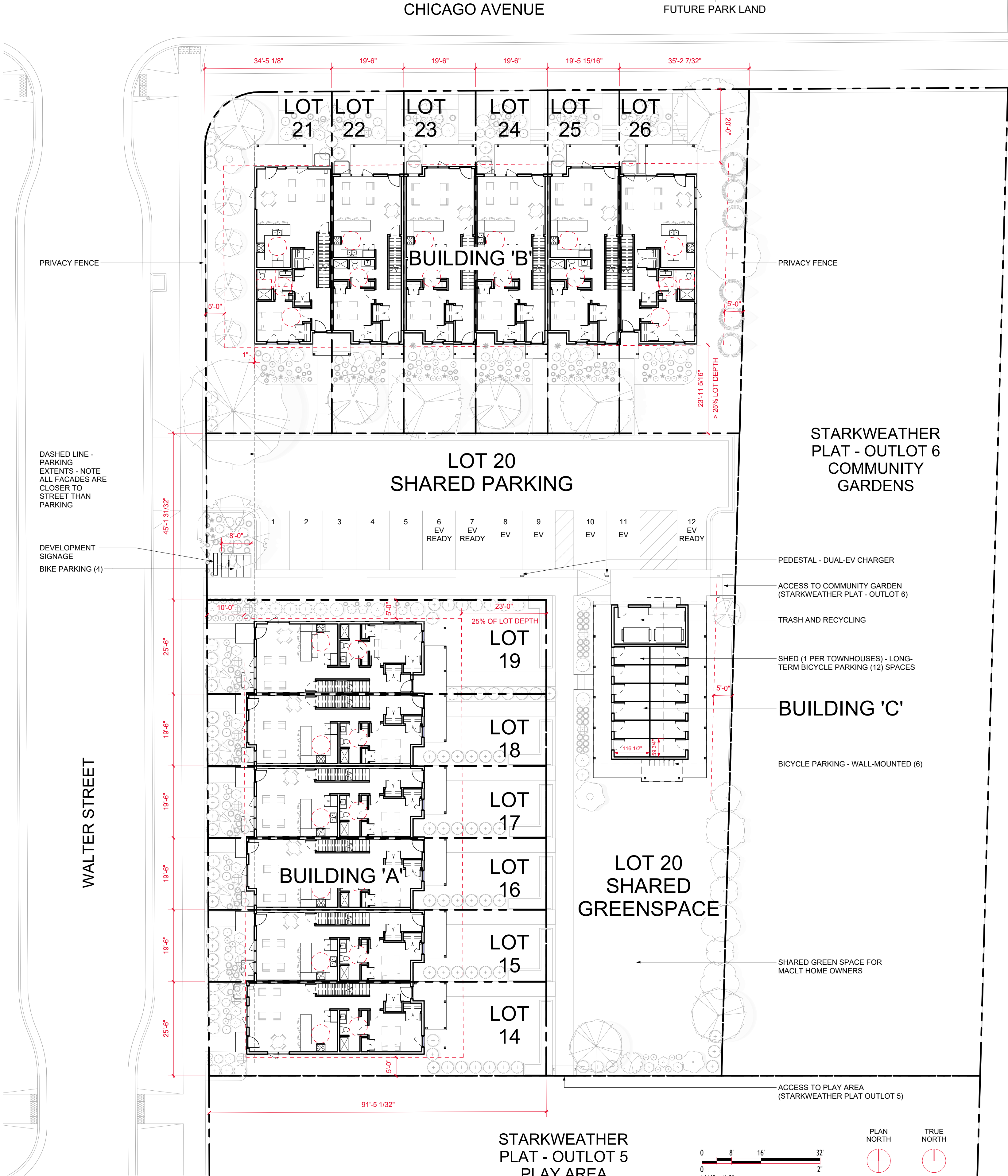


PRELIMINARY

1A LOCATOR MAP  
12" = 1'-0"



3D SITE PLAN - ARCHITECTURAL  
1/16" = 1'-0"



SITE INFORMATION

ADDRESS:	LOT 10 OF THE STARKWEATHER PLAT
PARCEL NO:	TBD
ZONING DISTRICT:	TR-V2
ALDERMANIC DISTRICT:	15 (MARTINEZ-RUTHERFORD)
NEIGHBORHOOD ASSOC:	EASTMORLAND COMMUNITY ASSOCIATION
SITE CALCULATIONS	
SITE AREA:	38,221 SF
PROPOSED IMPROVEMENTS:	TBD SF TOTAL LOT COVERAGE (X%)
	TBD SF REMAINDER GREEN SPACE (X%)
DWELLING UNITS	12 DWELLINGS (2-STORIES PLUS BASEMENT)
	(10) 3-BEDROOM PLUS DEN
	(2) 4-BEDROOM PLUS DEN
	AVERAGE GROSS BUILDING AREA 2,739 SF (WITH BASEMENT)
BUILDING FOOTPRINTS	BUILDING A FOOTPRINT: 5,417 GSF
	BUILDING B FOOTPRINT: 5,542 GSF
	BUILDING C FOOTPRINT: 1,438 GSF
	TOTAL: 12,397 GSF
PERVIOUS AREA	BUILDING A FOOTPRINT: 5,417 GSF
	BUILDING B FOOTPRINT: 5,542 GSF
	BUILDING C FOOTPRINT: 1,438 GSF
	SITE PARKING: 5,899 GSF
	TOTAL: 18,296 GSF
SITE AREA	38,211 SF (0.877 ACRES)
	48% PERVIOUS

ZONING INFORMATION

SINGLE-FAMILY ATTACHED REQUIREMENTS (MGO 28.043)		
	PERMITTED	PROPOSED / PROVIDED
PRINCIPAL DWELLING(S):	8 DU MAX/LOT	1 DU/LOT (<8)
LOT AREA (MIN):	1,500 SF	SEE TABLE
LOT WIDTH (MIN):	15'	SEE PLAN
SETBACK - FRONT YARD:	20' (30' MAX OR 20%)	20' & 10'
SETBACK - SIDE YARD:	5' OR 6'	> 5'
SETBACK - REV CORNER:	12'	NA
SETBACK - REAR YARD:	LESSER OF 25' OR 25% LOT DEPTH	BLDG A: 22'-10 1/2"
HEIGHT:	3-STORIES & 40'	BLDG B: 23'-6"
MAX LOT COVERAGE:	<90%	2-STORIES / 25' +/-
USABLE OPEN SPACE:	100 SF/DU	>100 SF/DU
MAX BUILDING COVER:	NA	NA
AUTOMOBILE PARKING:	1/DU	1/DU
BICYCLE PARKING:	1/DU	1/DU - STORAGE BUILDING + SITE

SCHEDULE - LOTS

LOT NUMBER	AREA
LOT 14	2,333 SF
LOT 15	1,786 SF
LOT 16	1,787 SF
LOT 17	1,789 SF
LOT 18	1,791 SF
LOT 19	2,344 SF
LOT 20 - MACLT SHARED	12,861 SF
LOT 21	3,120 SF
LOT 22	1,808 SF
LOT 23	1,810 SF
LOT 24	1,812 SF
LOT 25	1,814 SF
LOT 26	3,157 SF
STARKWEATHER OUTLOT 5	16,621 SF
STARKWEATHER OUTLOT 6	18,771 SF

LUA/UDC	01	2025.12.15
Issued For	Revision	Date

PROJECT TEAM MADISON AREA COMMUNITY LAND TRUST THRESHOLD BUILDS VERNEKER ASSOCIATES	PRELIMINARY NOT FOR PERMITTING NOT FOR CONSTRUCTION
CLIENT MADISON AREA COMMUNITY LAND TRUST PROJECT LOT 10 - TOWNHOMES	STATUS UDC - INFORMATIONAL INFORMATION PROJECT NO DATE DRAWN BY CHECKED BY SHEET NAME
THRESHOLD BUILDS	SITE PLAN - ARCHITECTURAL
REVISION	SHEET NO
01	A010

2 INCHES  
IF ACTUAL DIMENSION IS NOT 2 INCHES THE  
SHEET IS SCALED INPROPERLY

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1 PERSPECTIVE VIEW



2 PERSPECTIVE VIEW

LUA/UDC	01	2025.12.15
Issued For	Revision	Date

<div>PROJECT TEAM</div> <div>MADISON AREA COMMUNITY LAND TRUST</div> <div>THRESHOLD BUILDS</div> <div>WERBICHER ASSOCIATES</div>		<div>PRELIMINARY</div> <div>NOT FOR PERMITTING</div> <div>NOT FOR CONSTRUCTION</div>	
<div>CLIENT</div> <div>MADISON AREA COMMUNITY LAND TRUST</div> <div>PROJECT</div> <div>LOT 10 - TOWNHOMES</div>		<div>STATUS</div> <div>UDC - INFORMATIONAL</div> <div>INFORMATION</div> <div>PROJECT NO</div> <div>24-0010</div> <div>DATE</div> <div>2025.12.15</div> <div>DRAWN BY</div> <div>SM</div> <div>CHECKED BY</div> <div>SM</div> <div>SHEET NAME</div>	
<div>THRESHOLD BUILDS</div>		<div>EXTERIOR VISUALS</div>	
<div>REVISION</div> <div>01</div>		<div>SHEET NO</div> <div>A020</div>	





1 PERSPECTIVE VIEW



2 PERSPECTIVE VIEW

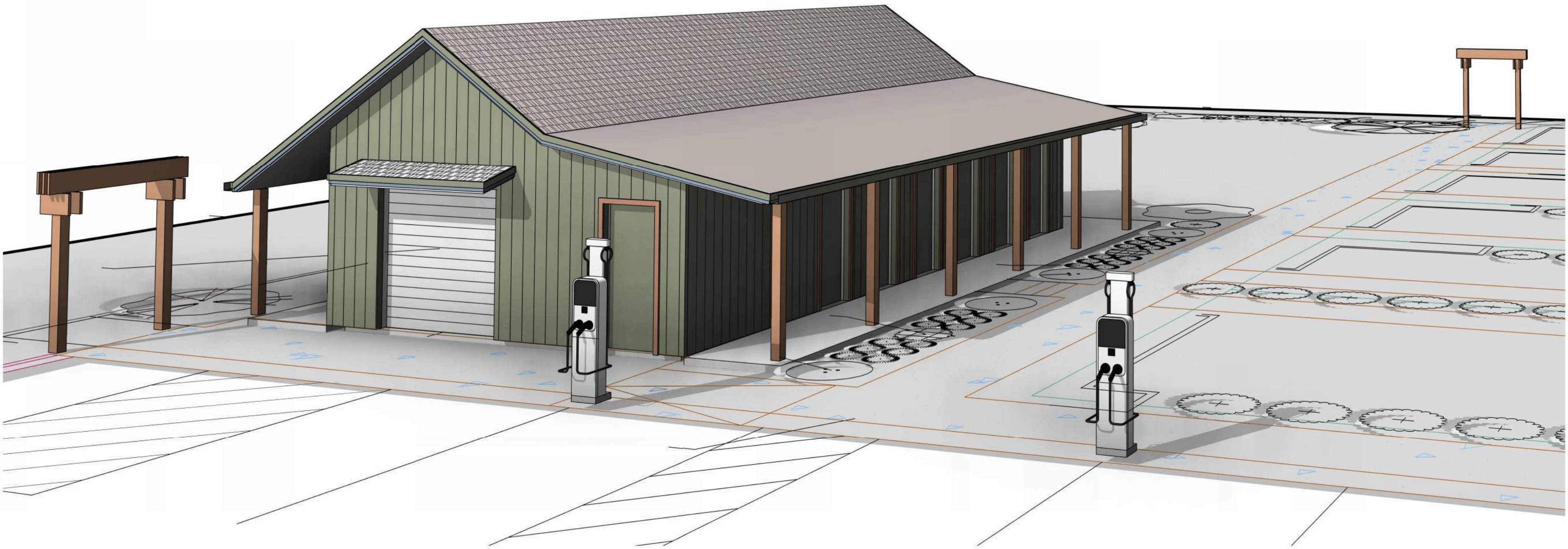
LUA/UDC	01	2025.12.15
Issued For	Revision	Date

PROJECT TEAM MADISON AREA COMMUNITY LAND TRUST THRESHOLD BUILDS VERBOSCH ASSOCIATES	PRELIMINARY NOT FOR PERMITTING NOT FOR CONSTRUCTION	
	STATUS UDC - INFORMATIONAL	
CLIENT MADISON AREA COMMUNITY LAND TRUST	INFORMATION	24-0010
PROJECT LOT 10 - TOWNHOMES	PROJECT NO	DATE
	DRAWN BY	2025.12.15
	CHECKED BY	SM
	SHEET NAME	SM
THRESHOLD BUILDS	EXTERIOR VISUALS	
	REVISION	SHEET NO
	01	A021





1 PERSPECTIVE VIEW



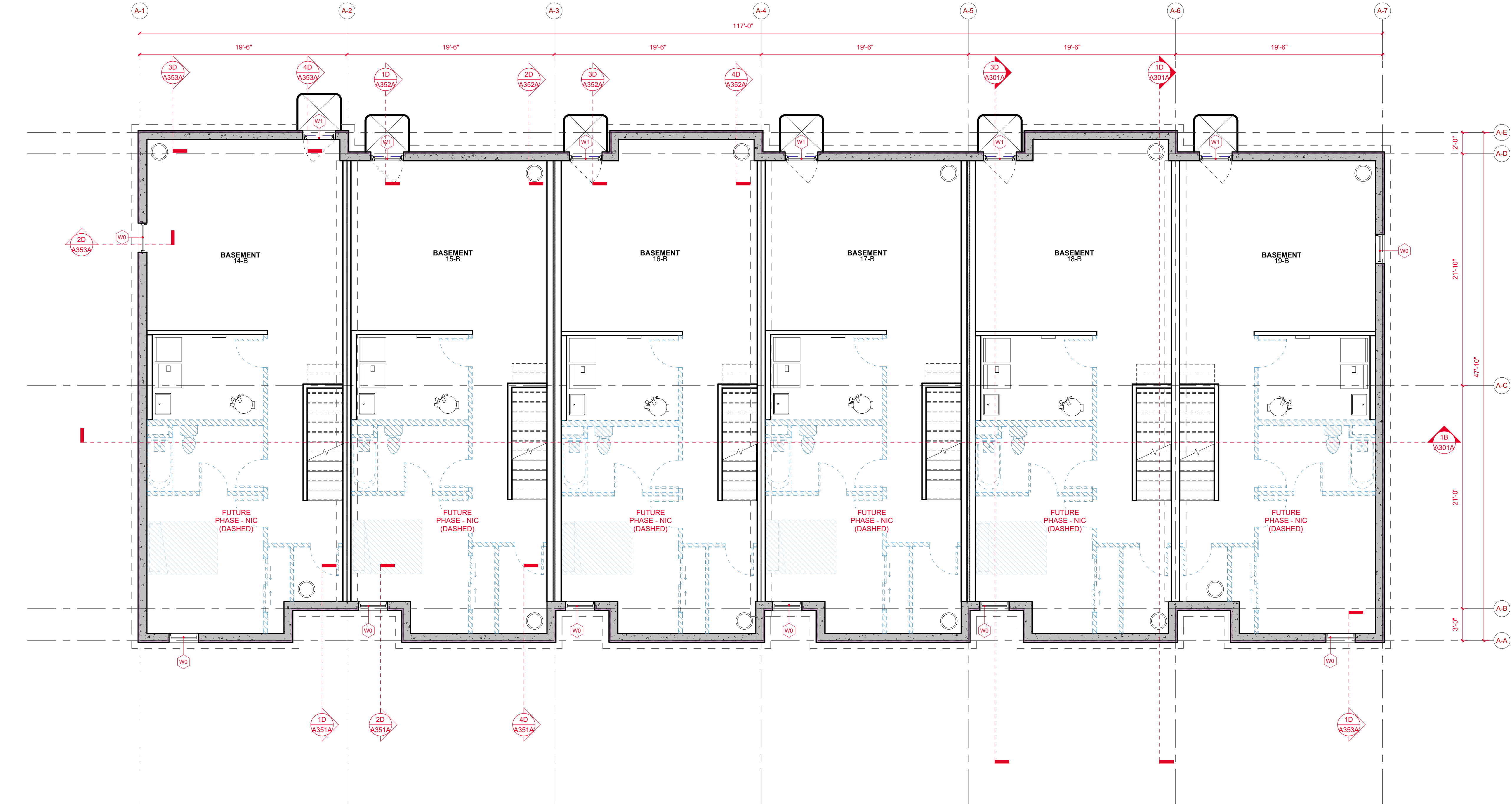
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LUA/UDC	01	2025.12.15
Issued For	Revision	Date

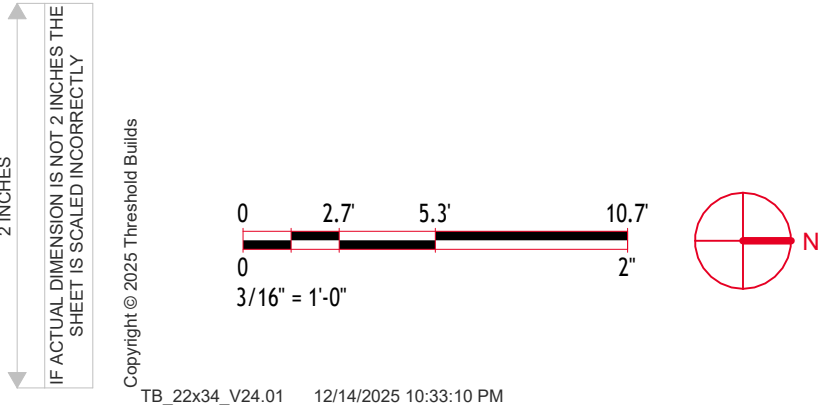
<b>PROJECT TEAM</b> MADISON AREA COMMUNITY LAND TRUST THRESHOLD BUILDS VERBOSCH ASSOCIATES		<b>PRELIMINARY</b> <b>NOT FOR PERMITTING</b> <b>NOT FOR CONSTRUCTION</b>	
<b>CLIENT</b> MADISON AREA COMMUNITY LAND TRUST <b>PROJECT</b> LOT 10 - TOWNHOMES		<b>STATUS</b> UDC - INFORMATIONAL <b>INFORMATION</b> PROJECT NO 24-0010 DATE 2025.12.15 DRAWN BY SM CHECKED BY SM SHEET NAME	
Copyright © 2025 Threshold Builds, LLC		<b>THRESHOLD BUILDS</b>	
		<b>EXTERIOR VISUALS</b>	
REVISION		SHEET NO	
01		<b>A022</b>	



PRELIMINARY

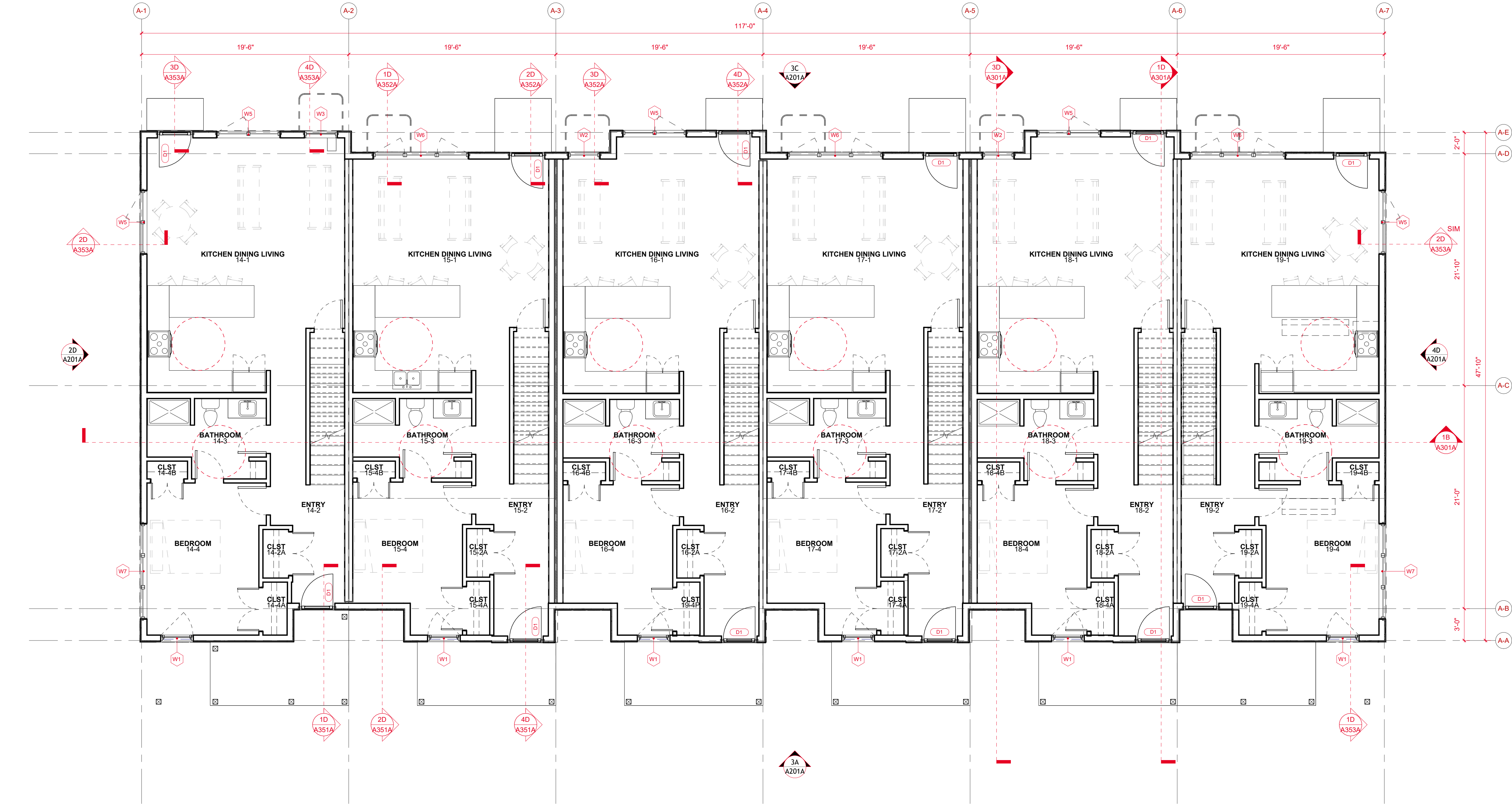


1C BUILDING A - BASEMENT PLAN  
3/16" = 1'-0"

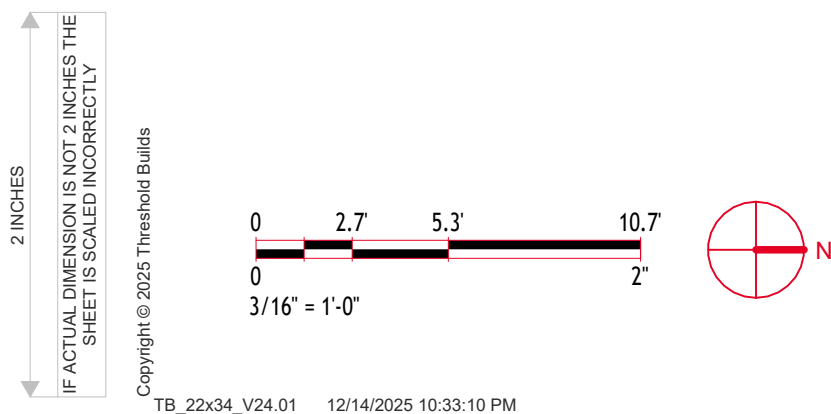


PROJECT TEAM		
MADISON AREA COMMUNITY LAND TRUST		
THRESHOLD BUILDS		
VERBOSER ASSOCIATES		
PRELIMINARY		
NOT FOR PERMITTING		
NOT FOR CONSTRUCTION		
CLIENT		
MADISON AREA COMMUNITY LAND TRUST		
PROJECT		
LOT 10 - TOWNHOMES		
STATUS		
UDC - INFORMATIONAL		
INFORMATION		
PROJECT NO		
DATE		
24-0010		
DRAWN BY		
SM		
CHECKED BY		
SM		
SHEET NAME		
BUILDING A - FLOOR PLAN		
- BASEMENT		
THRESHOLD BUILDS		
REVISION		
SHEET NO		
01		
A100A		

PRELIMINARY



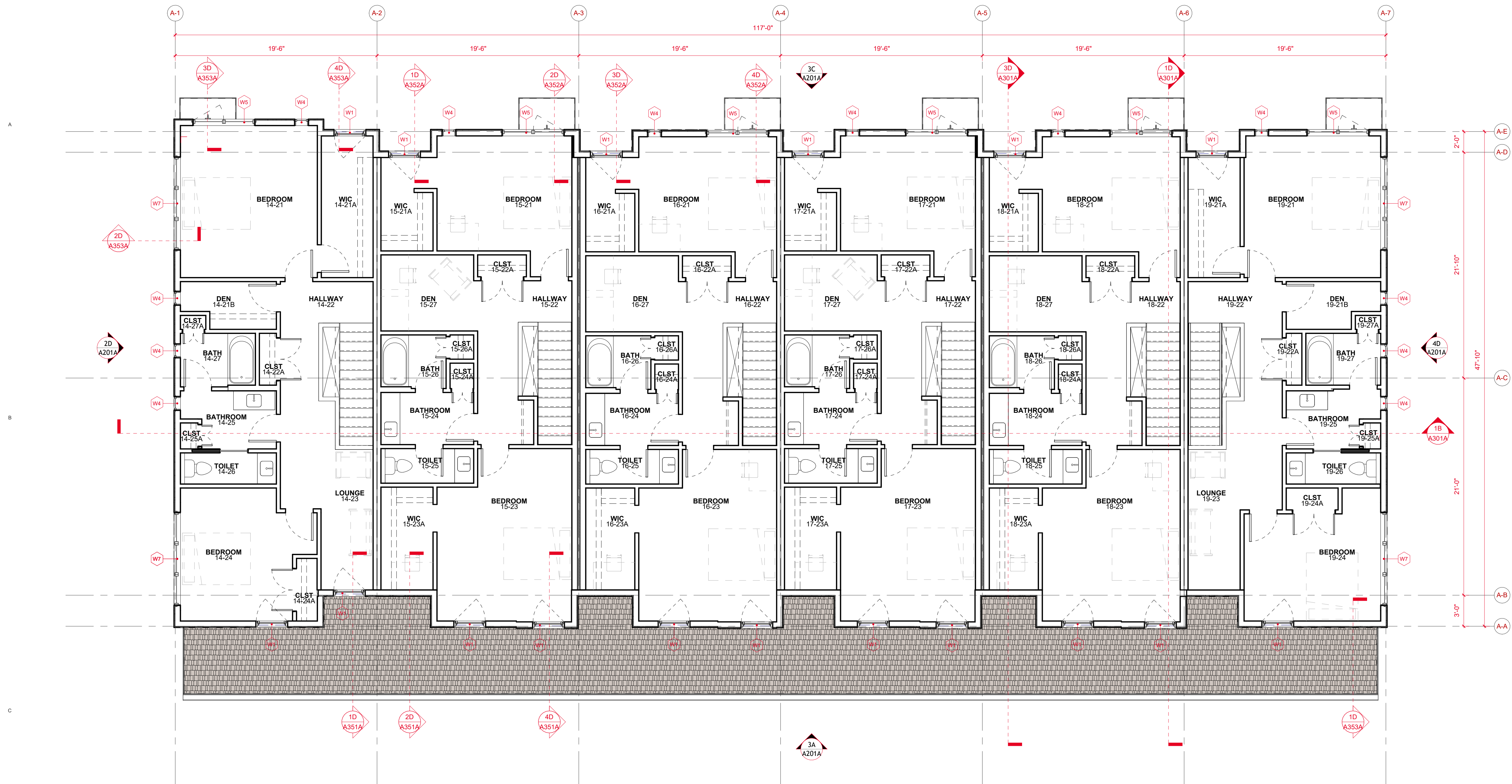
1C BUILDING A - FLOOR PLAN - LEVEL 01  
3/16" = 1'-0"



LUA/UDC Issued For	01 Revision	2025.12.15 Date

PROJECT TEAM MADISON AREA COMMUNITY LAND TRUST THRESHOLD BUILDS VERBOSER ASSOCIATES	PRELIMINARY NOT FOR PERMITTING NOT FOR CONSTRUCTION	
	STATUS UDC - INFORMATIONAL	
CLIENT MADISON AREA COMMUNITY LAND TRUST PROJECT LOT 10 - TOWNHOMES	INFORMATION PROJECT NO DATE DRAWN BY CHECKED BY SHEET NAME	24-0010 2025.12.15 SM SM BUILDING A - FLOOR PLAN - LEVEL 01
THRESHOLD BUILDS	REVISION	SHEET NO
	01	A101A

# PRELIMINARY



1C BUILDING A - FLOOR PLAN - LEVEL 02  
3/16" = 1'-0"

LUA/UDC	01	2025.12.15
Issued For	Revision	Date

<div>PROJECT TEAM</div> <div>MADISON AREA COMMUNITY LAND TRUST</div> <div>THRESHOLD BUILDS</div> <div>VIERBACHER ASSOCIATES</div>	<div>PRELIMINARY</div> <div>NOT FOR PERMITTING</div> <div>NOT FOR CONSTRUCTION</div>	
<div>CLIENT</div> <div>MADISON AREA COMMUNITY LAND TRUST</div> <div>PROJECT</div> <div>LOT 10 - TOWNHOMES</div>	<div>STATUS</div> <div>UDC - INFORMATIONAL</div> <div>INFORMATION</div> <div>PROJECT NO</div> <div>DATE</div> <div>DRAWN BY</div> <div>CHECKED BY</div> <div>SHEET NAME</div> <div>24-0010</div> <div>2025.12.15</div> <div>SM</div> <div>SM</div> <div>BUILDING A - FLOOR PLAN</div> <div>- LEVEL 02</div>	
<div>Copyright © 2025 Threshold Builds, LLC</div> <div>THRESHOLD BUILDS</div>	<div>REVISION</div> <div>01</div>	<div>SHEET NO</div> <div>A102A</div>



<p><b>PROJECT TEAM</b> MADISON AREA COMMUNITY LAND TRUST THRESHOLD BUILDERS VIERBIEHER ASSOCIATES</p>	<p><b>PRELIMINARY</b>  <b>NOT FOR PERMITTING</b>  <b>NOT FOR CONSTRUCTION</b></p>
<p><b>CLIENT</b> MADISON AREA COMMUNITY LAND TRUST <b>PROJECT</b> LOT 10 - TOWNHOMES</p>	<p><b>SHEET</b> <b>UDC - INFORMATIONAL</b>  <b>INFORMATION</b> <b>PROJECT NO</b> 24-0010 <b>DATE</b> 2025.12.15 <b>DRAWN BY</b> SM <b>CHECKED BY</b> SM</p>
<p>Copyright © 2025 Threshold Builds, LLC</p> <p><b>THRESHOLD BUILDS</b></p>	<p><b>SHEET NAME</b> <b>BUILDING A - ROOF PLAN</b>  <b>REVISION   SHEET NO</b>  01   <b>A103A</b></p>



PRELIMINARY

3A EXTERIOR ELEVATION - EAST  
1/8" = 1'-0"

3C EXTERIOR ELEVATION - WEST  
1/8" = 1'-0"

2D EXTERIOR ELEVATION - SOUTH  
1/8" = 1'-0"

4D EXTERIOR ELEVATION - NORTH  
1/8" = 1'-0"

Material ID Schedule

ID	Spec	Description
EPDM	07 53 23	EPDM ROOFING
FAF-01	07 25 00	TYVEK FAF, OR SIM
INSUL-01	07 21 00	GPS
INSUL-02	07 21 00	EPS
INSUL-03	07 21 00	BIBS
INSUL-04	07 21 00	CC-SPF
INSUL-05	07 21 00	LOOSE-FILL CELLULOSE
INSUL-06	07 21 00	MINERAL WOOL
MET-01	07 41 13	STANDING-SEAM METAL
MET-02	07 42 13	CORRUGATED METAL
SAM-01	07 25 00	DUPONT FLEXWRAP
SAM-02	07 25 00	HENRY BLUESKIN SA
SDNG-01	07 46 42	LAP SIDING - ENGINEERED
SEALANT	07 92 00	OSI SC175 - GREENGUARD
TAPE-01	07 25 00	TYVEK WINDOW TAPE
TAPE-02	07 25 00	3M 8067
VB-01	07 27 00	STEGO WRAP VB (15-MIL)
VB-02	07 27 00	CERTAINTED MEMBRAIN
WRB-01	07 25 00	TYVEK COMMERCIALWRAP
WRB-02	07 41 13	SA ROOF UNDERLAYMENT

NOTE: REFER TO PROJECT SPECIFICATIONS FOR MORE INFORMATION

LUA/UDC Issued For	01 Revision	2025.12.15 Date
PROJECT TEAM MADISON AREA COMMUNITY LAND TRUST THRESHOLD BUILDS WERSHNER ASSOCIATES	PRELIMINARY NOT FOR PERMITTING NOT FOR CONSTRUCTION	
CLIENT MADISON AREA COMMUNITY LAND TRUST PROJECT LOT 10 - TOWNHOMES	STATUS UDC - INFORMATIONAL INFORMATION PROJECT NO 24-0010 DATE 2025.12.15 DRAWN BY SM CHECKED BY SM SHEET NAME	
THRESHOLD BUILDS	BUILDING A - ELEVATIONS - EXTERIOR	
REVISION	SHEET NO	A201A
01		

2 INCHES  
IF ACTUAL DIMENSION IS NOT 2 INCHES THE  
SHEET IS SCALED INCORRECTLY

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0 4 8 16  
0 2  
1/8" = 1'-0"

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PRELIMINARY

ASPHALT SHINGLE ROOF  
WEATHERED WOOD



METAL FASCIA, SOFFIT + GUTTER  
PATINA GREEN



LP LAP SIDING  
SAND DUNE



LP BOARD + BATTEN SIDING  
WOODTONE - OLD CHERRY



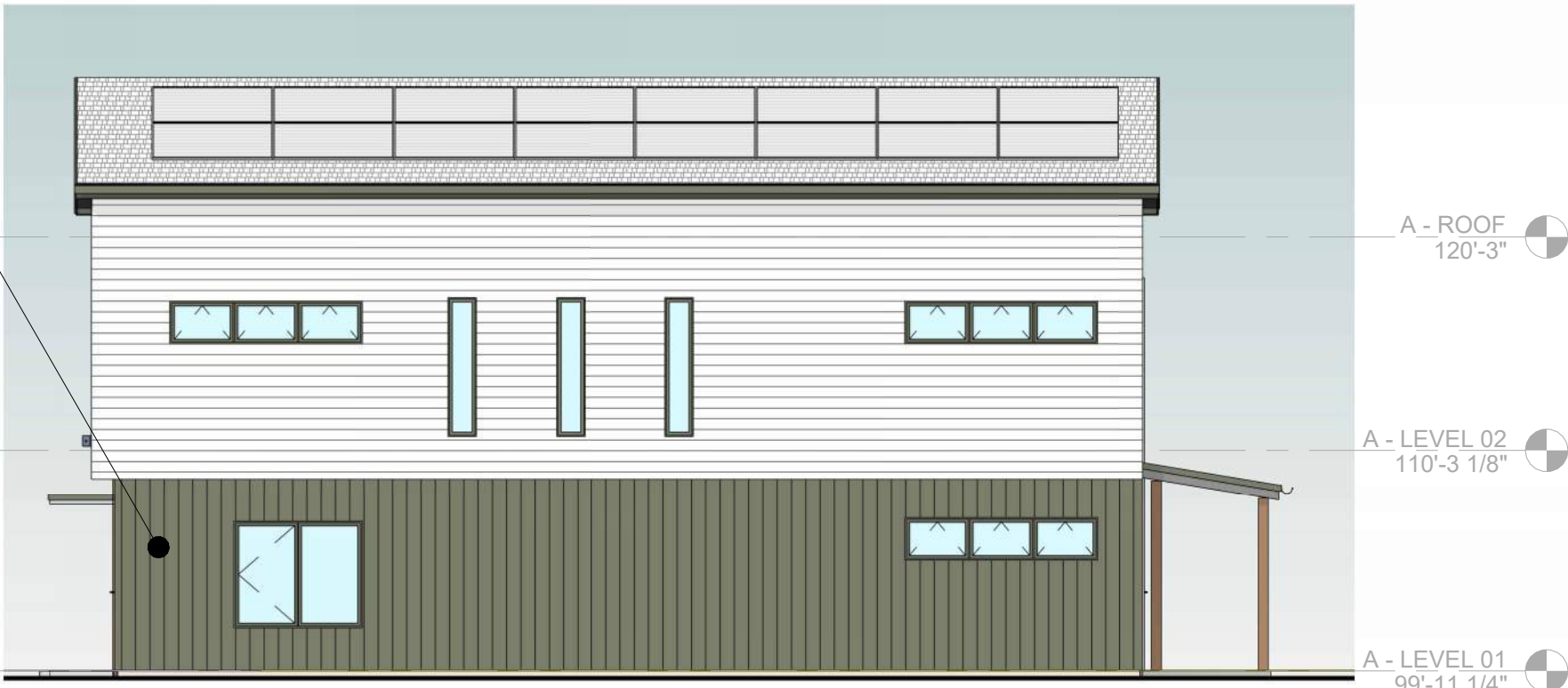
LP BOARD + BATTEN SIDING  
GARDEN SAGE



3A EXTERIOR ELEVATION - EAST  
1/8" = 1'-0"



3C EXTERIOR ELEVATION - WEST  
1/8" = 1'-0"



2D EXTERIOR ELEVATION - SOUTH  
1/8" = 1'-0"



4D EXTERIOR ELEVATION - NORTH  
1/8" = 1'-0"

### Material ID Schedule

ID	Spec	Description
EPDM	07 53 23	EPDM ROOFING
FAF-01	07 25 00	TYVEK FAF, OR SIM
INSUL-01	07 21 00	GPS
INSUL-02	07 21 00	EPS
INSUL-03	07 21 00	BIBS
INSUL-04	07 21 00	CC-SPF
INSUL-05	07 21 00	LOOSE-FILL CELLULOSE
INSUL-06	07 21 00	MINERAL WOOL
MET-01	07 41 13	STANDING-SEAM METAL
MET-02	07 42 13	CORRUGATED METAL
SAM-01	07 25 00	DUPONT FLEXWRAP
SAM-02	07 25 00	HENRY BLUESKIN SA
SDNG-01	07 46 42	LAP SIDING - ENGINEERED
SEALANT	07 92 00	OSI SC175 - GREENGUARD
TAPE-01	07 25 00	TYVEK WINDOW TAPE
TAPE-02	07 25 00	3M 8067
VB-01	07 27 00	STEGO WRAP VB (15-MIL)
VB-02	07 27 00	CERTAINTED MEMBRAIN
WRB-01	07 25 00	TYVEK COMMERCIALWRAP
WRB-02	07 41 13	SA ROOF UNDERLAYMENT

NOTE: REFER TO PROJECT SPECIFICATIONS FOR MORE INFORMATION

LUA/UDC Issued For	01 Revision	2025.12.15 Date

PROJECT TEAM MADISON AREA COMMUNITY LAND TRUST THRESHOLD BUILDS VERBERSH ASSOCIATES	PRELIMINARY NOT FOR PERMITTING NOT FOR CONSTRUCTION	
	STATUS UDC - INFORMATIONAL	
CLIENT MADISON AREA COMMUNITY LAND TRUST PROJECT LOT 10 - TOWNHOMES	INFORMATION PROJECT NO 24-0010 DATE 2025.12.15 DRAWN BY SM CHECKED BY SM	
	SHEET NAME BUILDING A - ELEVATIONS - EXTERIOR - COLOR	
THRESHOLD BUILDS	REVISION 01 SHEET NO A202A	

2 INCHES  
IF ACTUAL DIMENSION IS NOT 2 INCHES THE  
SHEET IS SCALED INCORRECTLY

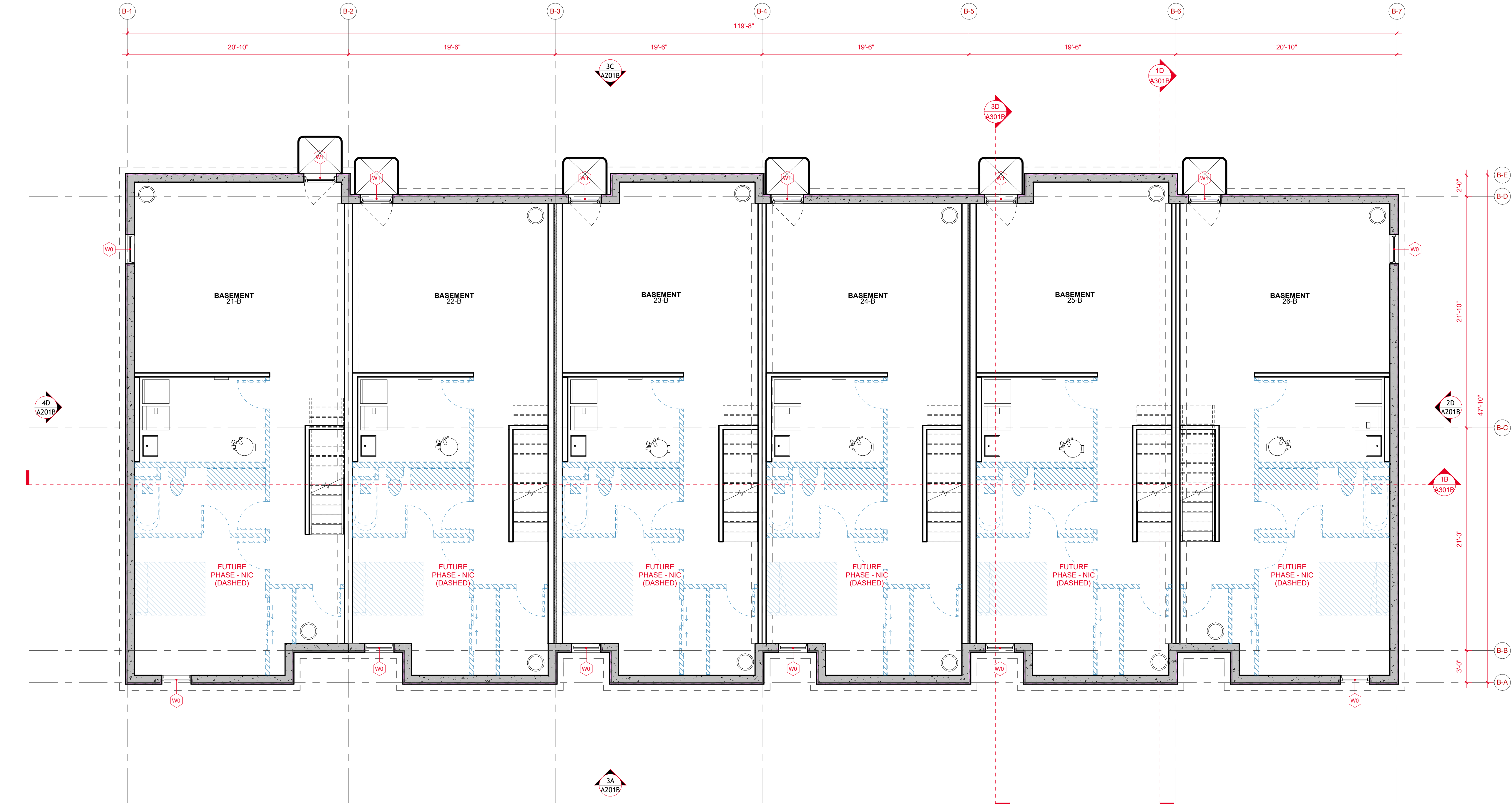
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0 2'  
1/8" = 1'-0"

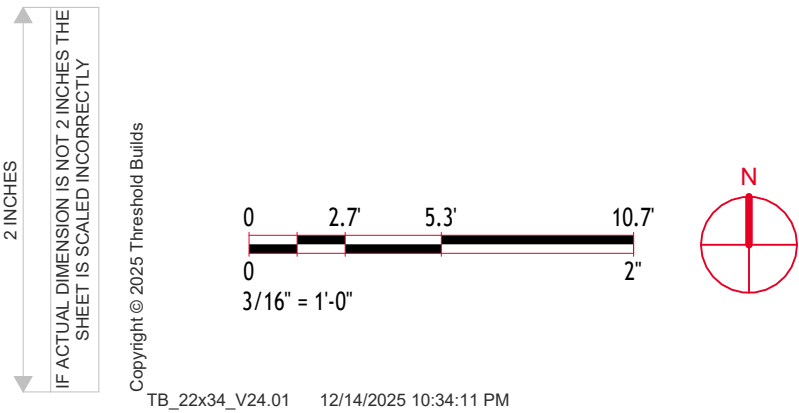
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PRELIMINARY

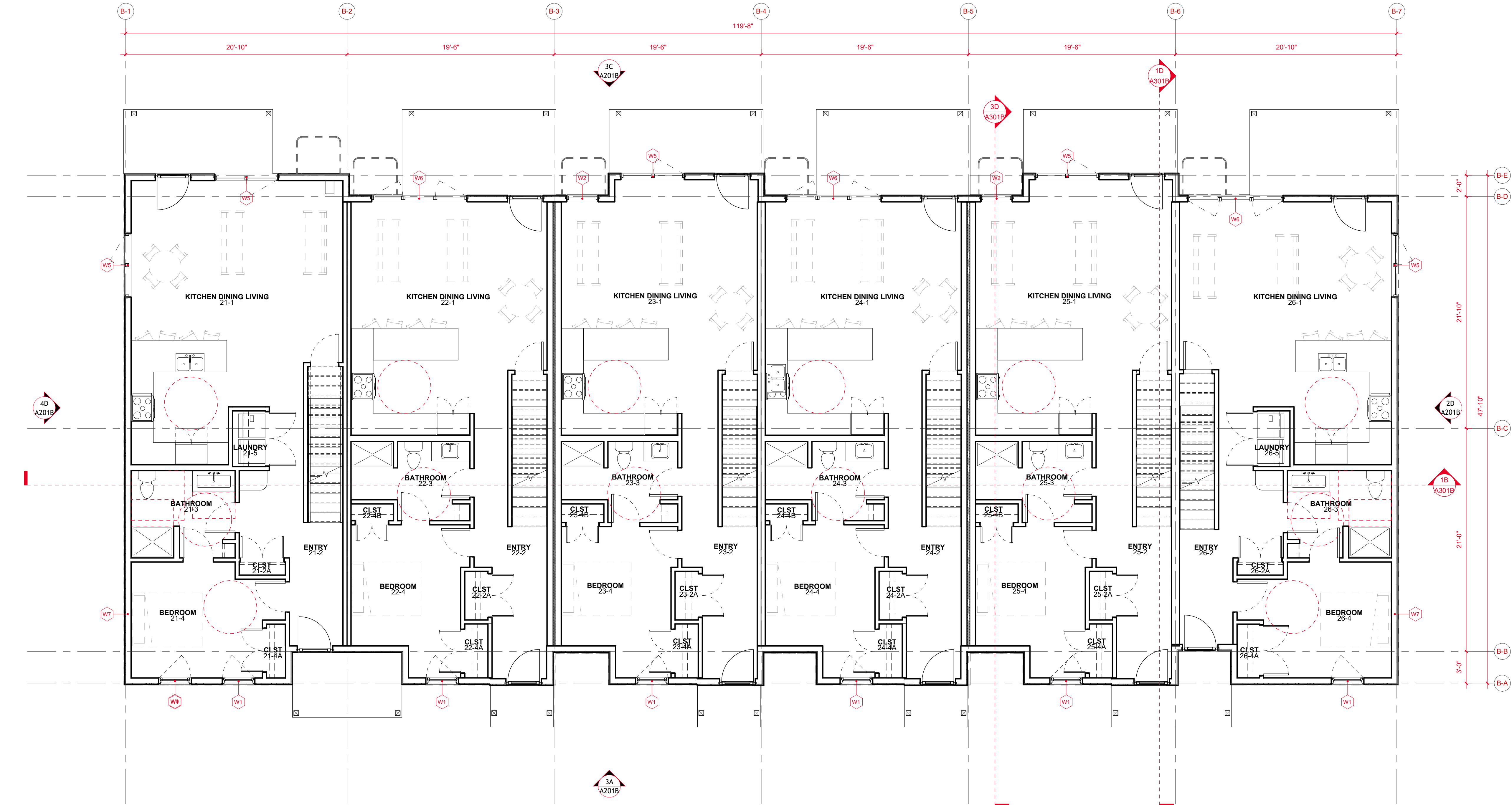


1C BUILDING B - BASEMENT PLAN  
3/16" = 1'-0"

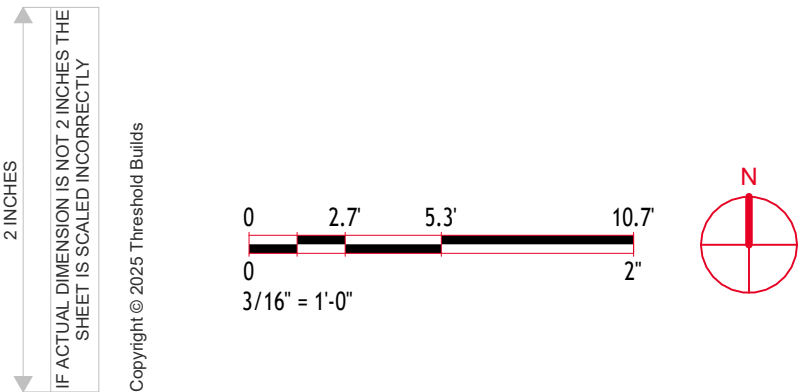


LUA/UDC Issued For	01 Revision	2025.12.15 Date
PROJECT TEAM MADISON AREA COMMUNITY LAND TRUST THRESHOLD BUILDS VERBOSCH ASSOCIATES	PRELIMINARY NOT FOR PERMITTING NOT FOR CONSTRUCTION	
CLIENT MADISON AREA COMMUNITY LAND TRUST PROJECT LOT 10 - TOWNHOMES	STATUS UDC - INFORMATIONAL INFORMATION PROJECT NO 24-0010 DATE 2025.12.15 DRAWN BY SM CHECKED BY SM SHEET NAME	
THRESHOLD BUILDS	BUILDING B - FLOOR PLAN - BASEMENT	
	REVISION 01	SHEET NO A100B

PRELIMINARY

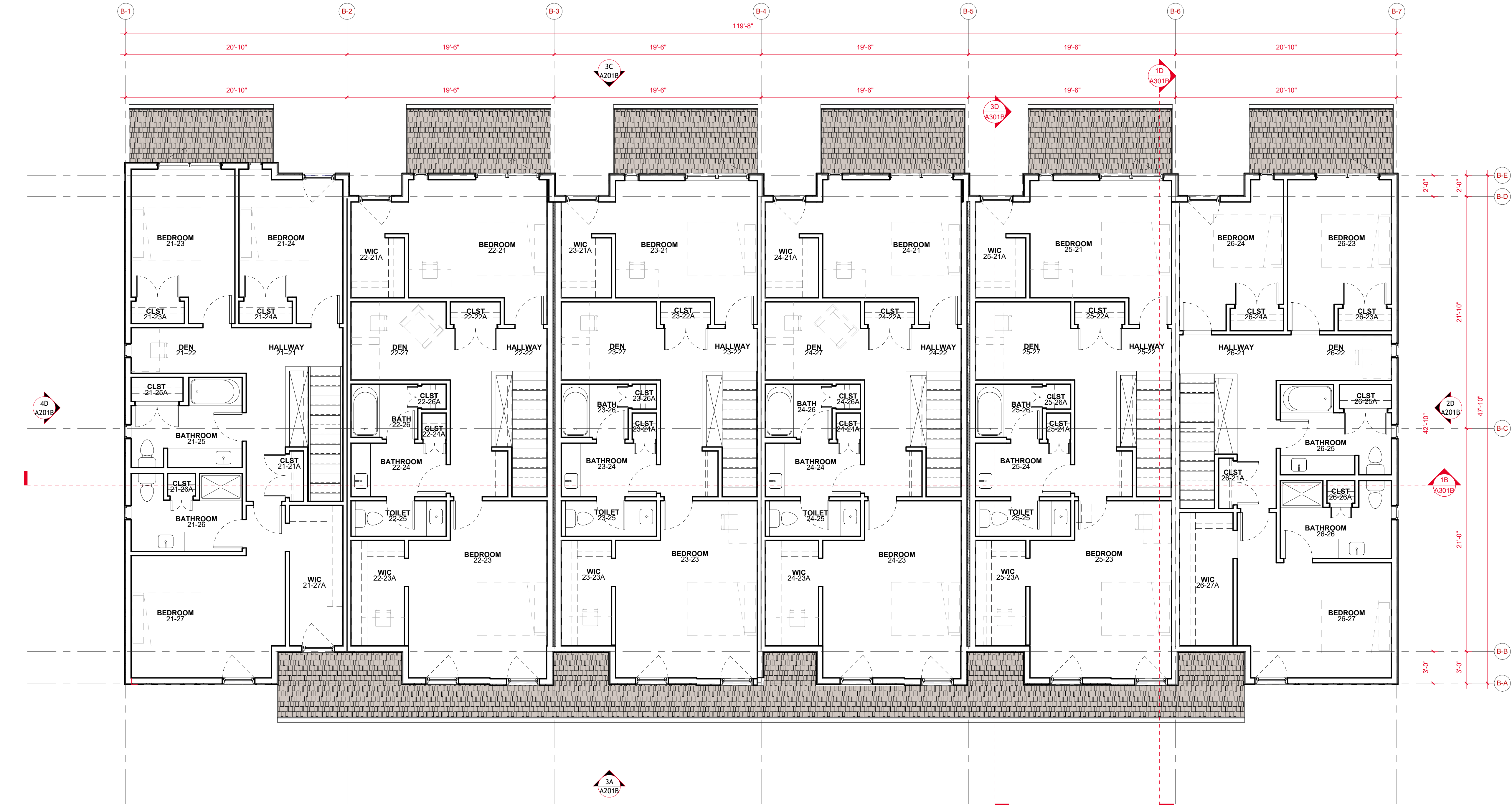


1C BUILDING B - FLOOR PLAN - LEVEL 01  
3/16" = 1'-0"

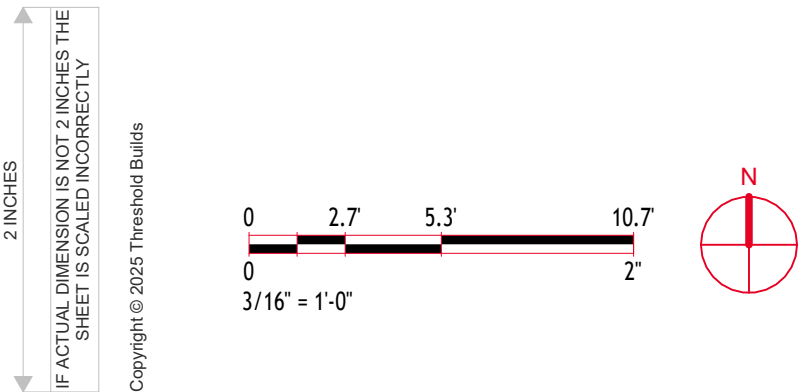


LUA/UDC Issued For	01 Revision	2025.12.15 Date
PROJECT TEAM MADISON AREA COMMUNITY LAND TRUST THRESHOLD BUILDS VERSCHEER ASSOCIATES	PRELIMINARY NOT FOR PERMITTING NOT FOR CONSTRUCTION	
CLIENT MADISON AREA COMMUNITY LAND TRUST PROJECT LOT 10 - TOWNHOMES	STATUS UDC - INFORMATIONAL INFORMATION PROJECT NO 24-0010 DATE 2025.12.15 DRAWN BY SM CHECKED BY SM SHEET NAME	
THRESHOLD BUILDS	BUILDING B - FLOOR PLAN - LEVEL 01	
	REVISION 01	SHEET NO A101B

PRELIMINARY



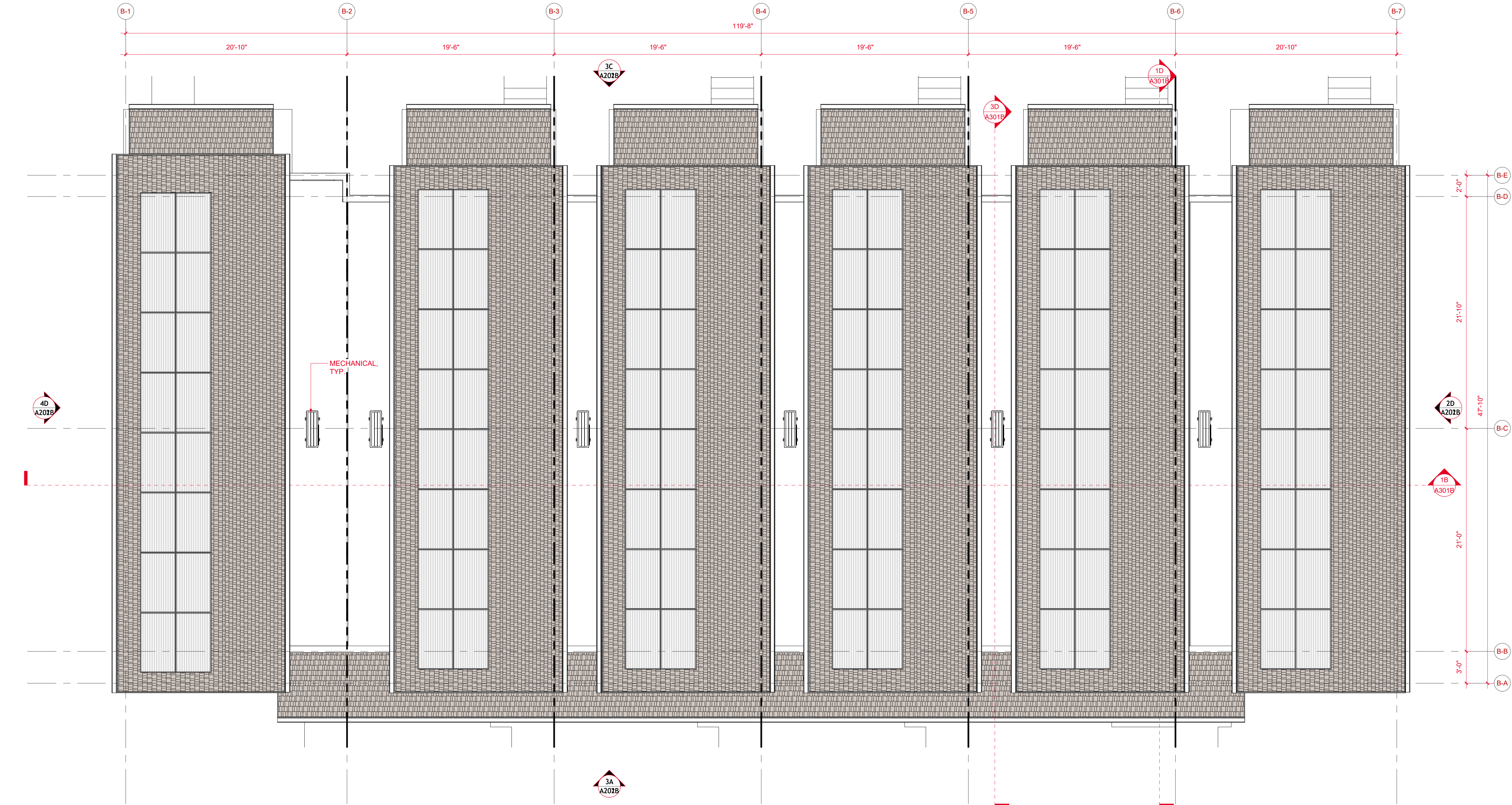
1C BUILDING B - FLOOR PLAN - LEVEL 02  
3/16" = 1'-0"



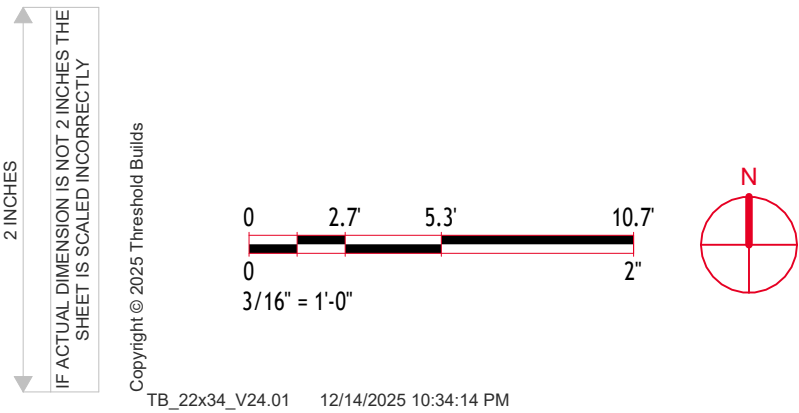
LUA/UDC Issued For	01 Revision	2025.12.15 Date
PROJECT TEAM MADISON AREA COMMUNITY LAND TRUST THRESHOLD BUILDS VERBICHER ASSOCIATES	PRELIMINARY NOT FOR PERMITTING NOT FOR CONSTRUCTION	
CLIENT MADISON AREA COMMUNITY LAND TRUST PROJECT LOT 10 - TOWNHOMES	STATUS UDC - INFORMATIONAL INFORMATION PROJECT NO 24-0010 DATE 2025.12.15 DRAWN BY SM CHECKED BY SM	
THRESHOLD BUILDS	BUILDING B - FLOOR PLAN - LEVEL 02	
	REVISION 01	SHEET NO A102B



PRELIMINARY



1C BUILDING B - ROOF PLAN  
3/16" = 1'-0"



LUA/UDC Issued For	01 Revision	2025.12.15 Date

PROJECT TEAM MADISON AREA COMMUNITY LAND TRUST THRESHOLD BUILDS VERBICHER ASSOCIATES		PRELIMINARY  NOT FOR PERMITTING  NOT FOR CONSTRUCTION	
CLIENT MADISON AREA COMMUNITY LAND TRUST PROJECT LOT 10 - TOWNHOMES		STATUS UDC - INFORMATIONAL	
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THRESHOLD BUILDS		REVISION	
		SHEET NO	
		01	A103B



PRELIMINARY

3A EXTERIOR ELEVATION - SOUTH  
1/8" = 1'-0"

3C EXTERIOR ELEVATION - NORTH  
1/8" = 1'-0"

2D EXTERIOR ELEVATION - EAST  
1/8" = 1'-0"

4D EXTERIOR ELEVATION - WEST  
1/8" = 1'-0"

Material ID Schedule

ID	Spec	Description
EPDM	07 53 23	EPDM ROOFING
FAF-01	07 25 00	TYVEK FAF, OR SIM
INSUL-01	07 21 00	GPS
INSUL-02	07 21 00	EPS
INSUL-03	07 21 00	BIBS
INSUL-04	07 21 00	CC-SPF
INSUL-05	07 21 00	LOOSE-FILL CELLULOSE
INSUL-06	07 21 00	MINERAL WOOL
MET-01	07 41 13	STANDING-SEAM METAL
MET-02	07 42 13	CORRUGATED METAL
SAM-01	07 25 00	DUPONT FLEXWRAP
SAM-02	07 25 00	HENRY BLUESKIN SA
SDNG-01	07 46 42	LAP SIDING - ENGINEERED
SEALANT	07 92 00	OSI SC175 - GREENGUARD
TAPE-01	07 25 00	TYVEK WINDOW TAPE
TAPE-02	07 25 00	3M 8067
VB-01	07 27 00	STEGO WRAP VB (15-MIL)
VB-02	07 27 00	CERTAINTED MEMBRAIN
WRB-01	07 25 00	TYVEK COMMERCIALWRAP
WRB-02	07 41 13	SA ROOF UNDERLAYMENT

NOTE: REFER TO PROJECT SPECIFICATIONS FOR MORE INFORMATION

LUA/UDC Issued For	01 Revision	2025.12.15 Date
PROJECT TEAM MADISON AREA COMMUNITY LAND TRUST THRESHOLD BUILDS WERSCHER ASSOCIATES	PRELIMINARY NOT FOR PERMITTING NOT FOR CONSTRUCTION	
CLIENT MADISON AREA COMMUNITY LAND TRUST PROJECT LOT 10 - TOWNHOMES	STATUS UDC - INFORMATIONAL INFORMATION PROJECT NO 24-0010 DATE 2025.12.15 DRAWN BY SM CHECKED BY SM	
Copyright © 2025 Threshold Builds, LLC	SHEET NAME BUILDING B - ELEVATIONS - EXTERIOR	
THRESHOLD BUILDS	REVISION 01	
	SHEET NO A201B	

2 INCHES  
IF ACTUAL DIMENSION IS NOT 2 INCHES THE  
SHEET IS SCALED INCORRECTLY

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1/8" = 1'-0"

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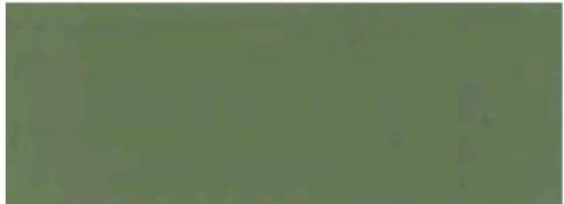


PRELIMINARY

ASPHALT SHINGLE ROOF  
WEATHERED WOOD



METAL FASCIA, SOFFIT + GUTTER  
PATINA GREEN



LP LAP SIDING  
SAND DUNE



LP BOARD + BATTEN SIDING  
WOODTONE - OLD CHERRY



LP BOARD + BATTEN SIDING  
GARDEN SAGE



3A EXTERIOR ELEVATION - SOUTH  
1/8" = 1'-0"



B - ROOF  
120'-3"

B - LEVEL 02  
110'-3 1/8"

B - LEVEL 01  
99'-11 1/4"

3C EXTERIOR ELEVATION - NORTH  
1/8" = 1'-0"



B - ROOF  
120'-3"

B - LEVEL 02  
110'-3 1/8"

B - LEVEL 01  
99'-11 1/4"

2D EXTERIOR ELEVATION - EAST  
1/8" = 1'-0"



B - ROOF  
120'-3"

B - LEVEL 02  
110'-3 1/8"

B - LEVEL 01  
99'-11 1/4"

4D EXTERIOR ELEVATION - WEST  
1/8" = 1'-0"



B - ROOF  
120'-3"

B - LEVEL 02  
110'-3 1/8"

B - LEVEL 01  
99'-11 1/4"

## Material ID Schedule

ID	Spec	Description
EPDM	07 53 23	EPDM ROOFING
FAF-01	07 25 00	TYVEK FAF, OR SIM
INSUL-01	07 21 00	GPS
INSUL-02	07 21 00	EPS
INSUL-03	07 21 00	BIBS
INSUL-04	07 21 00	CC-SPF
INSUL-05	07 21 00	LOOSE-FILL CELLULOSE
INSUL-06	07 21 00	MINERAL WOOL
MET-01	07 41 13	STANDING-SEAM METAL
MET-02	07 42 13	CORRUGATED METAL
SAM-01	07 25 00	DUPONT FLEXWRAP
SAM-02	07 25 00	HENRY BLUESKIN SA
SDNG-01	07 46 42	LAP SIDING - ENGINEERED
SEALANT	07 92 00	OSI SC175 - GREENGUARD
TAPE-01	07 25 00	TYVEK WINDOW TAPE
TAPE-02	07 25 00	3M 8067
VB-01	07 27 00	STEGO WRAP VB (15-MIL)
VB-02	07 27 00	CERTAINTED MEMBRAIN
WRB-01	07 25 00	TYVEK COMMERCIALWRAP
WRB-02	07 41 13	SA ROOF UNDERLAYMENT

NOTE: REFER TO PROJECT SPECIFICATIONS FOR MORE INFORMATION

LUA/UDC Issued For	01 Revision	2025.12.15 Date

PROJECT TEAM MADISON AREA COMMUNITY LAND TRUST THRESHOLD BUILDS VERBICHER ASSOCIATES	PRELIMINARY NOT FOR PERMITTING NOT FOR CONSTRUCTION	
	STATUS UDC - INFORMATIONAL	
CLIENT MADISON AREA COMMUNITY LAND TRUST PROJECT LOT 10 - TOWNHOMES	INFORMATION PROJECT NO 24-0010 DATE 2025.12.15 DRAWN BY SM CHECKED BY SM	
	SHEET NAME BUILDING B - ELEVATIONS - EXTERIOR - COLOR	
THRESHOLD BUILDS	REVISION   SHEET NO 01   A202B	

2 INCHES  
IF ACTUAL DIMENSION IS NOT 2 INCHES THE  
SHEET IS SCALED INCORRECTLY

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0 4 8 16'  
0 2'  
1/8" = 1'-0"

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PRELIMINARY

2 INCHES

IF ACTUAL DIMENSION IS NOT 2 INCHES THE SHEET IS SCALED INCORRECTLY

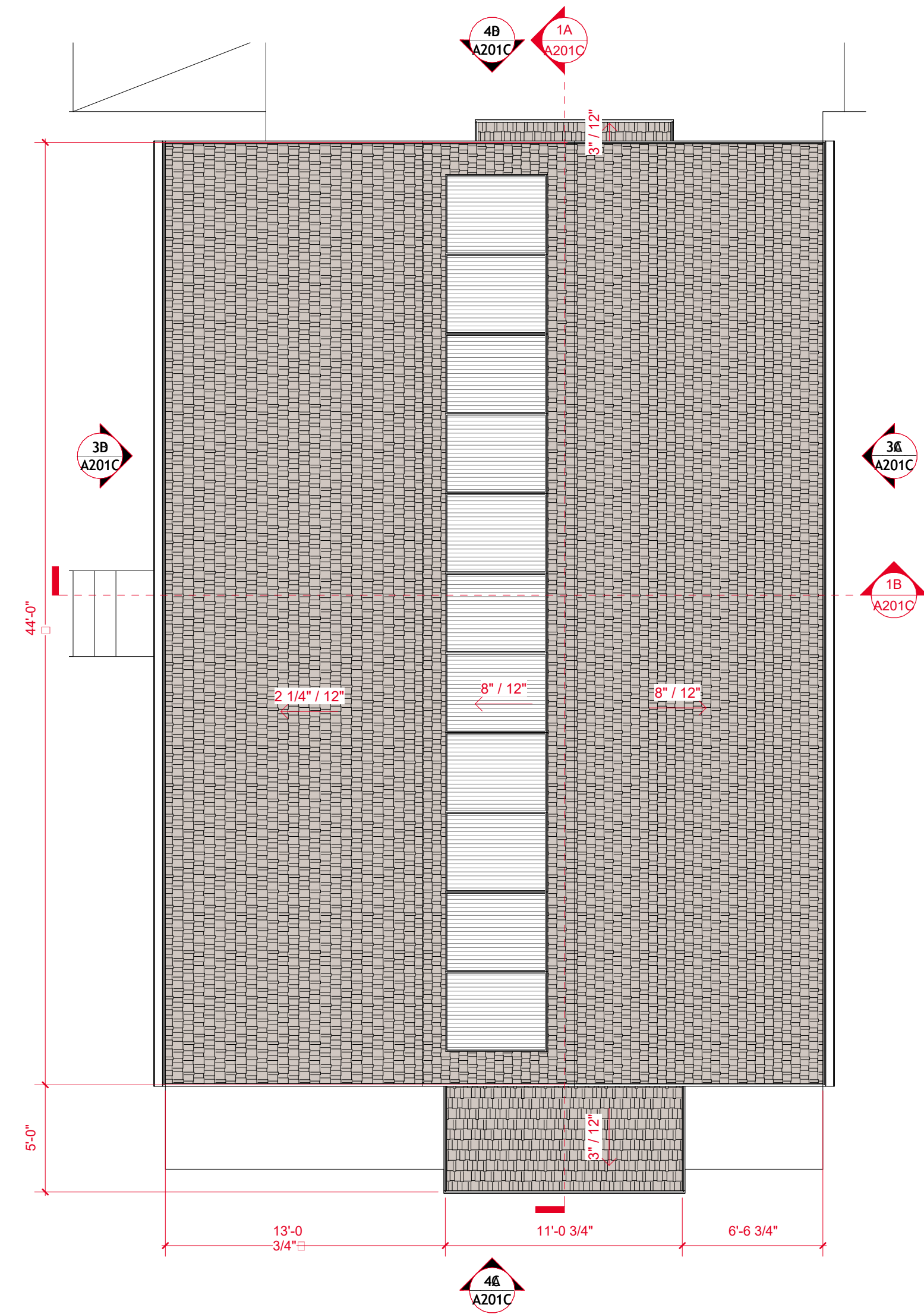
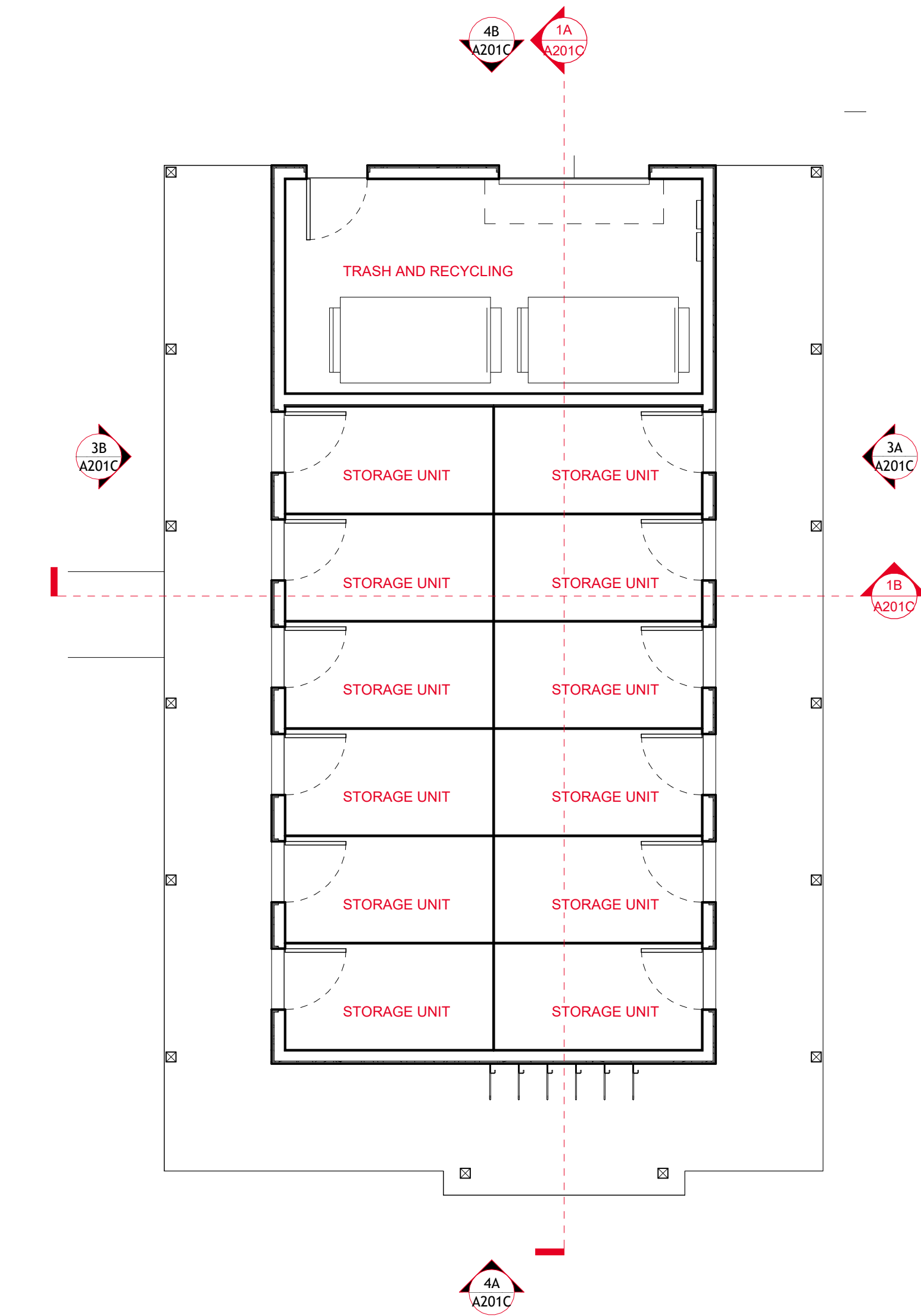
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02.75.10.7

002.7510.7

3/16" = 1'-0"

N

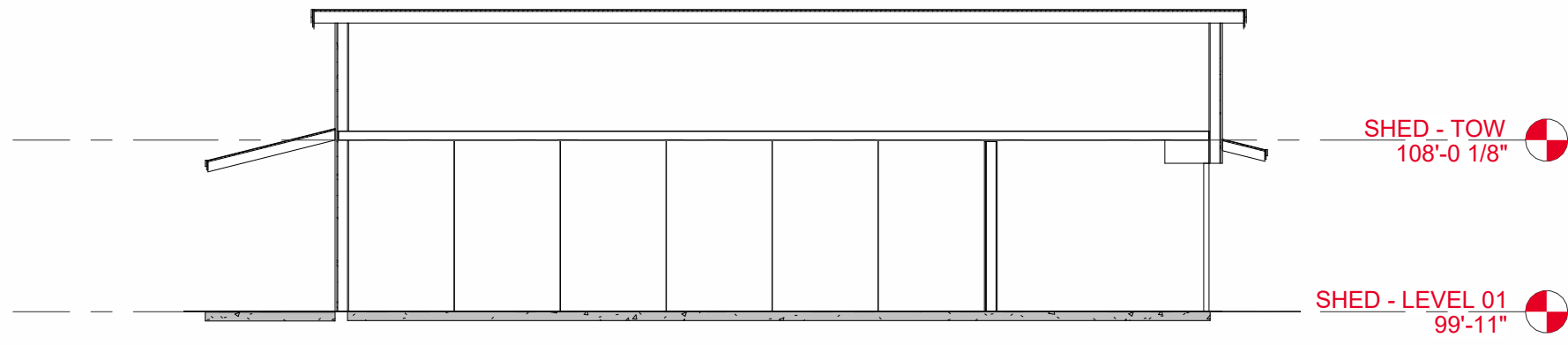


LUA/UDC Issued For	01 Revision	2025.12.15 Date

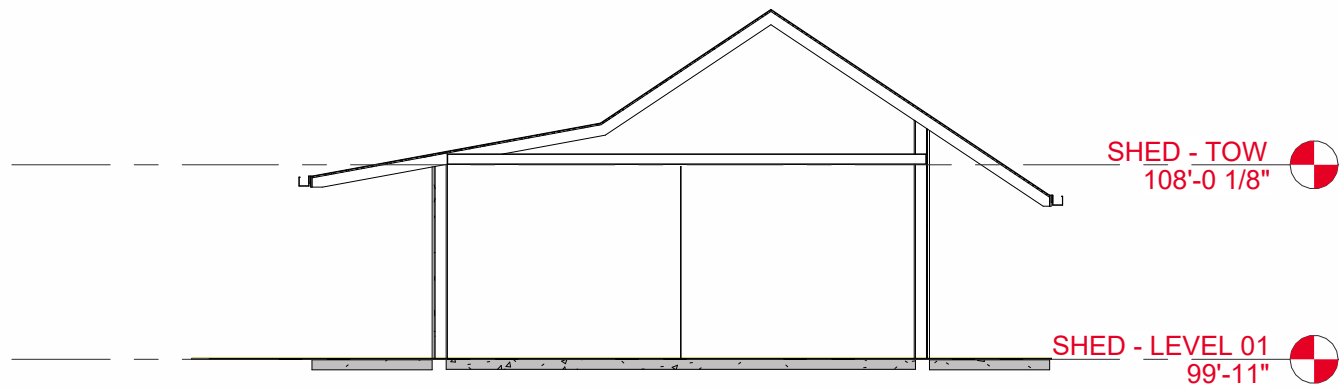
PROJECT TEAM MADISON AREA COMMUNITY LAND TRUST THRESHOLD BUILDS VERBOSER ASSOCIATES	PRELIMINARY NOT FOR PERMITTING NOT FOR CONSTRUCTION
CLIENT MADISON AREA COMMUNITY LAND TRUST PROJECT LOT 10 - TOWNHOMES	STATUS UDC - INFORMATIONAL INFORMATION PROJECT NO 24-0010 DATE 2025.12.15 DRAWN BY SM CHECKED BY SM SHEET NAME BUILDING C - PLANS
THRESHOLD BUILDS	REVISION SHEET NO 01 A101C



PRELIMINARY



1A BUILDING SECTION  
1/8" = 1'-0"



1B BUILDING SECTION  
1/8" = 1'-0"

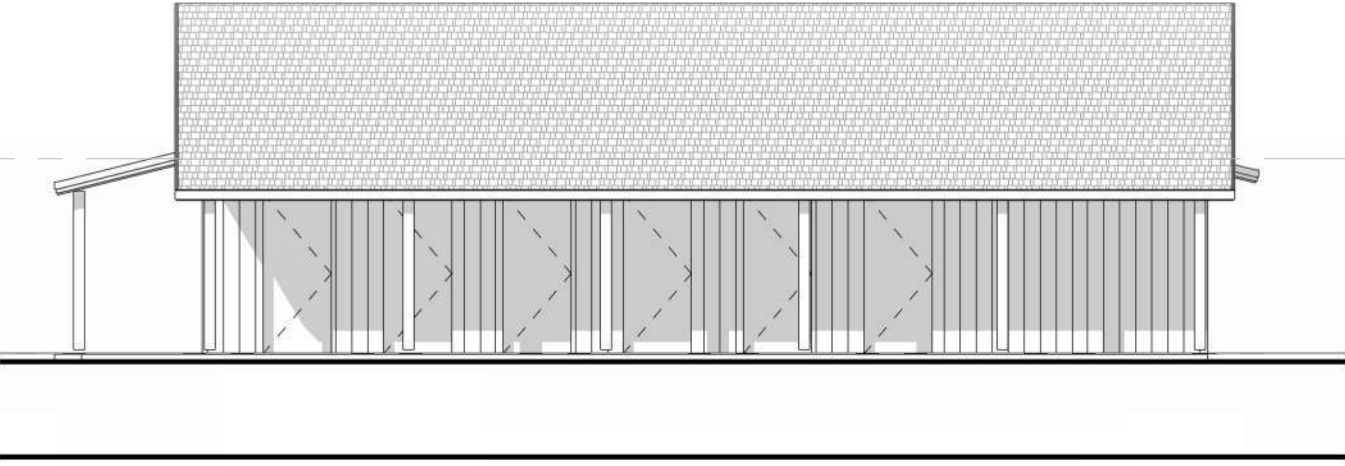
ASPHALT SHINGLE ROOF  
WEATHERED WOOD



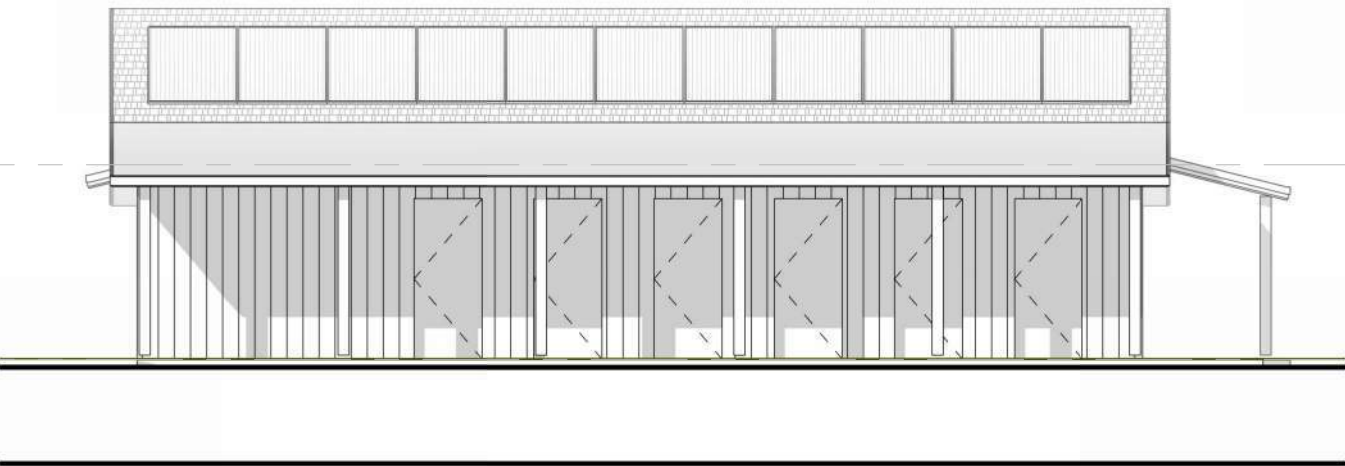
METAL FASCIA, SOFFIT + GUTTER  
PATINA GREEN



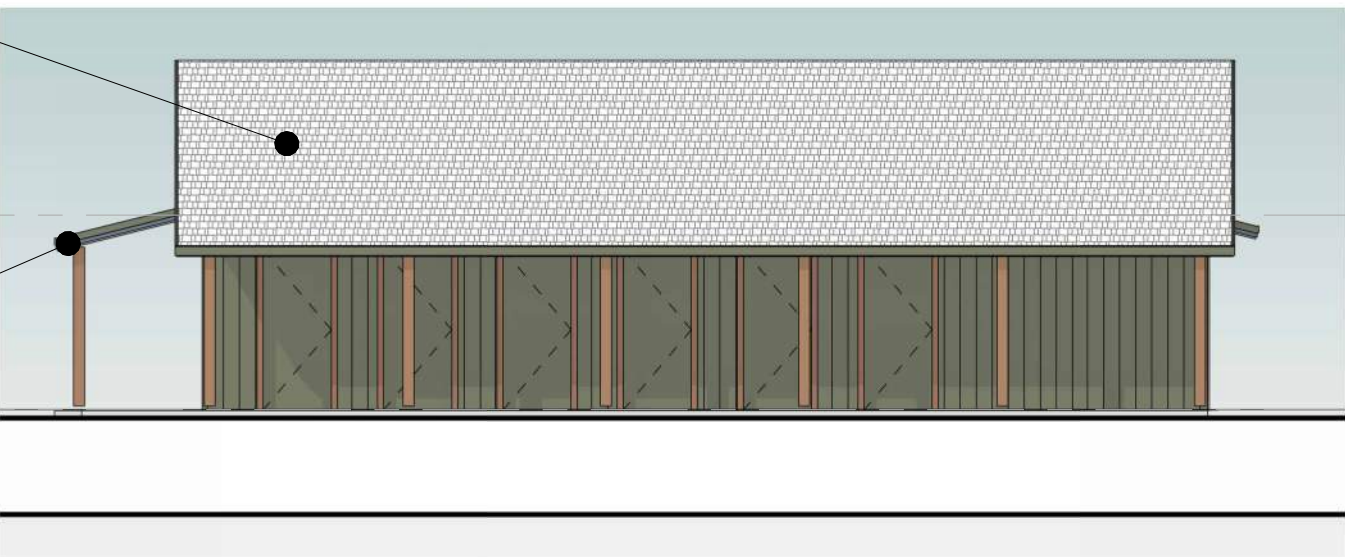
LP BOARD + BATTEN SIDING  
GARDEN SAGE



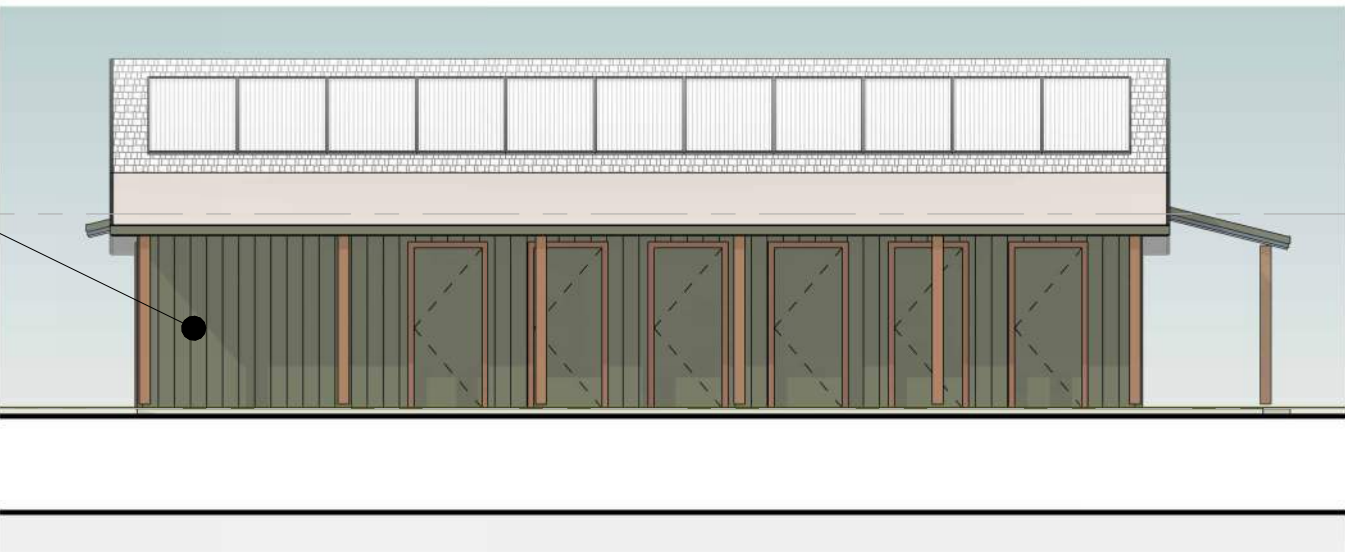
3A EXTERIOR ELEVATION - EAST  
1/8" = 1'-0"



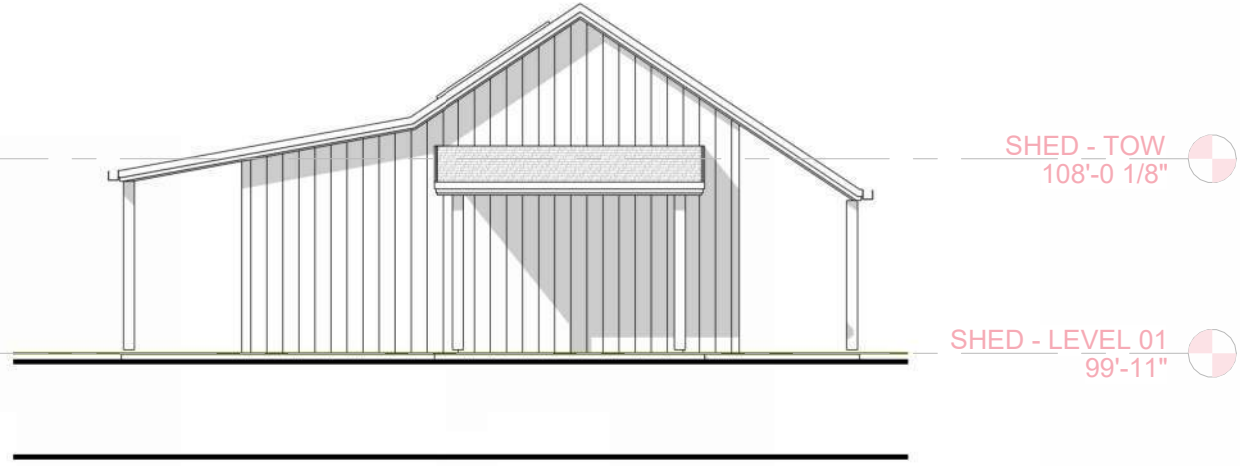
3B EXTERIOR ELEVATION - WEST  
1/8" = 1'-0"



3C EXTERIOR ELEVATION - EAST  
1/8" = 1'-0"



3D EXTERIOR ELEVATION - WEST  
1/8" = 1'-0"



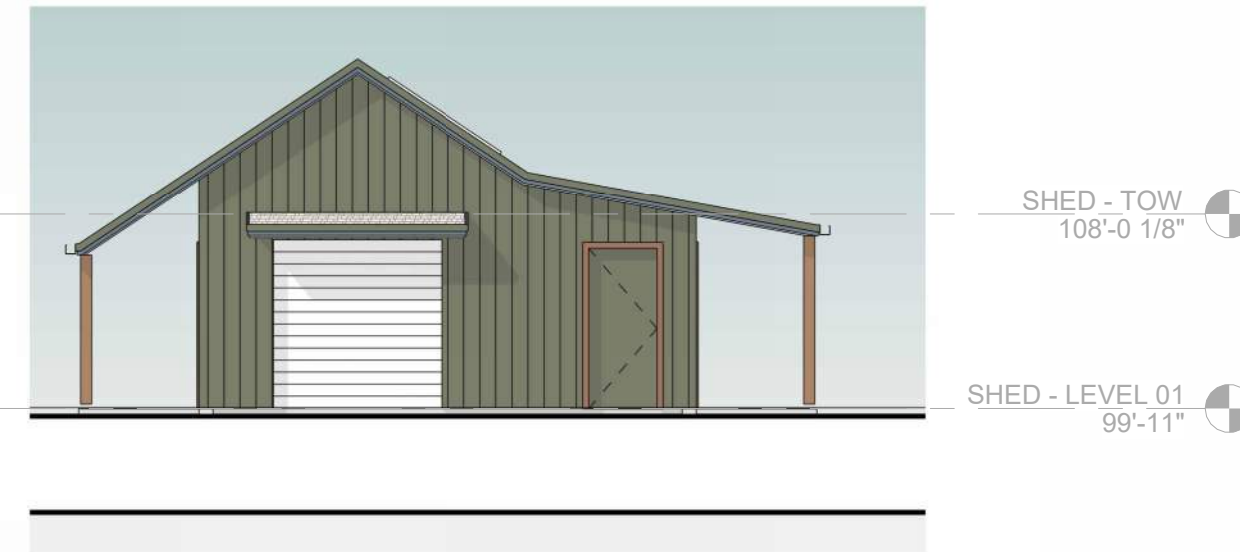
4A EXTERIOR ELEVATION - SOUTH  
1/8" = 1'-0"



4B EXTERIOR ELEVATION - NORTH  
1/8" = 1'-0"



4C EXTERIOR ELEVATION - SOUTH  
1/8" = 1'-0"



4D EXTERIOR ELEVATION - NORTH  
1/8" = 1'-0"

2 INCHES  
IF ACTUAL DIMENSION IS NOT 2 INCHES THE  
SHEET IS SCALED INCORRECTLY

Copyright © 2025 Threshold Builds

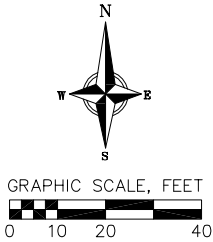
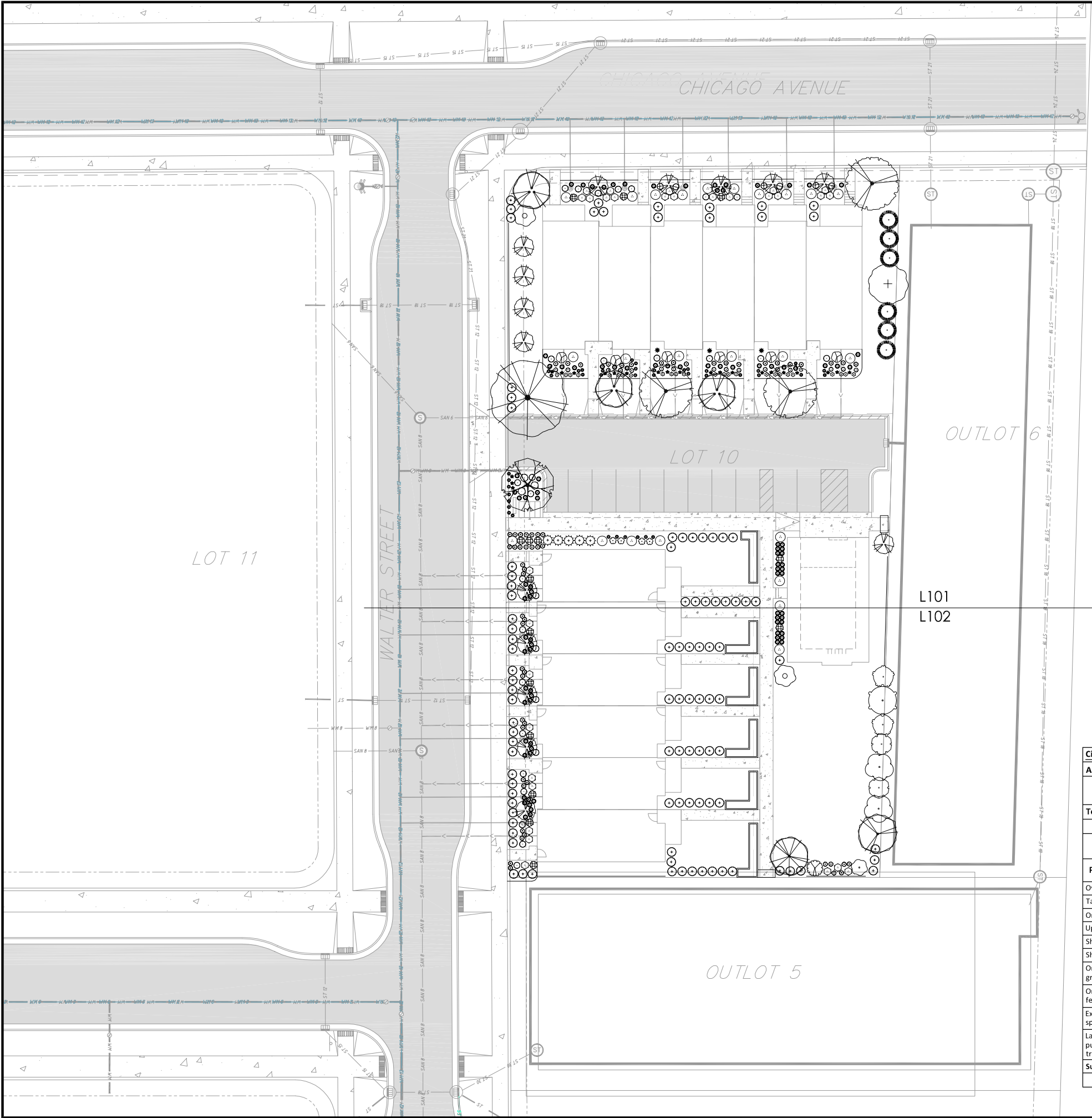
0 4 8 16  
0 2  
1/8" = 1'-0"

TB\_22x34\_V24.01 12/14/2025 10:35:24 PM

LUA/UDC Issued For	01 Revision	2025.12.15 Date

PROJECT TEAM MADISON AREA COMMUNITY LAND TRUST THRESHOLD BUILDS WERNICHER ASSOCIATES	PRELIMINARY NOT FOR PERMITTING NOT FOR CONSTRUCTION
CLIENT MADISON AREA COMMUNITY LAND TRUST PROJECT LOT 10 - TOWNHOMES	STATUS UDC - INFORMATIONAL INFORMATION PROJECT NO 24-0010 DATE 2025.12.15 DRAWN BY SM CHECKED BY SM SHEET NAME
THRESHOLD BUILDS	BUILDING C - ELEVATIONS AND BUILDING SECTIONS
REVISION 01	SHEET NO A201C

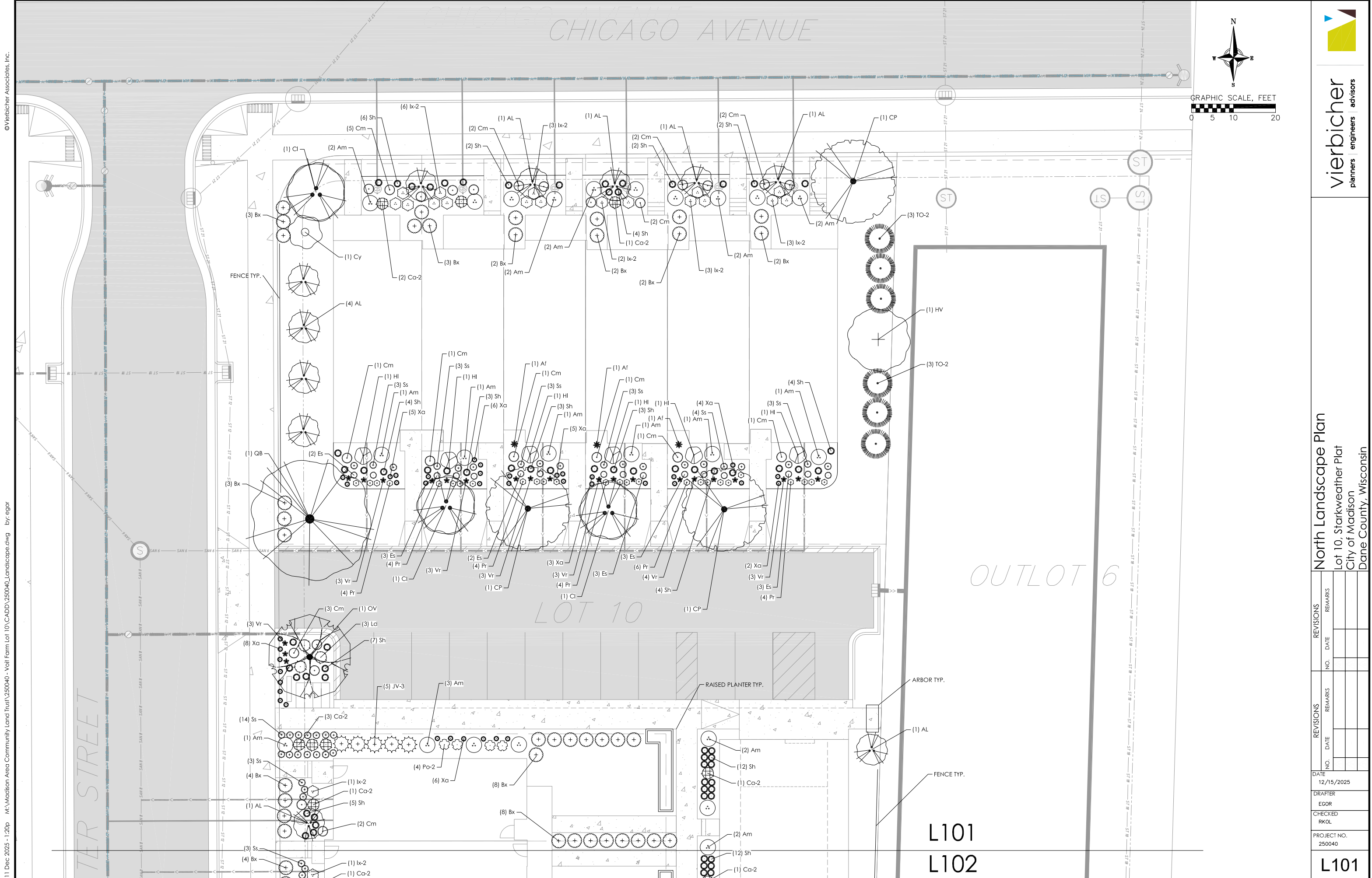




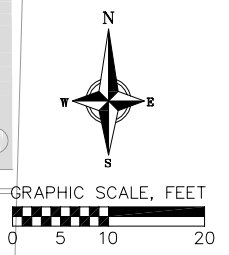
PLANT SCHEDULE


CODE	BOTANICAL / COMMON NAME	ROOT COND.	SIZE	NOTES	QTY
<b>DECIDUOUS TREES</b>					
OV	Ostrya virginiana / American Hopbeam	B & B	2.5'Cal		1
QB	Quercus bicolor / Swamp White Oak	B & B	2"Cal		1
<b>EVERGREEN TREES</b>					
JV-3	Juniperus virginiana 'Taylor' / Taylor Eastern Redcedar	B & B	6' ht.		5
TO-2	Thuja occidentalis 'Nigra' / Black Arborvitae	B & B	5' ht.		6
<b>UNDERSTORY TREES</b>					
AL	Amelanchier laevis / Allegheny Serviceberry	B & B	4' ht.	Multi-Stem	15
CP	Carpinus caroliniana / American Hornbeam	B & B	7' ht.		3
CE	Cercis canadensis / Eastern Redbud Multi-Trunk	B & B	1.5"Cal		1
CI	Crataegus crus-galli inermis / Thornless Cockspur Hawthorn	B & B	1.5"Cal		3
HV	Hamelis virginiana / Common Witch Hazel	B & B	5' ht.		1
MH	Malus x domestica 'Honeycrisp' / Honeycrisp Apple	10 gal			1
ME	Malus x domestica 'Liberty' / Liberty Apple	10 gal			2
PA	Prunus americana / American Plum	B & B	6' ht.		1
PA2	Prunus x 'Alderman' / Alderman Plum	10 gal			2
PX2	Prunus x 'Toka' / Toka Plum	10 gal			2
<b>DECIDUOUS SHRUBS</b>					
Am	Aronia melanocarpa / Black Chokeberry	Cont.	5 Gal.		24
Cm	Ceanothus americanus / New Jersey Tea	Cont.	3 Gal.		35
Ca-2	Cornus sericea 'Alleman's Compact' / Dwarf Red Twig Dogwood	Cont.	5 Gal.		15
Cy	Corylus americana / American Hazelnut	Cont.	5 Gal.		2
Ld	Diervilla lonicera / Honeysuckle	Cont.	3 Gal.		3
HI	Hamelis virginiana 'Little Suzie' / Little Suzie Witch Hazel	Cont.	3 Gal.		6
Pa-2	Physocarpus opulifolius 'Nanus' / Dwarf Ninebark	Cont.	3 Gal.		4
Sc	Sambucus canadensis / American Elderberry	Cont.	5 Gal.		1
Vc	Viburnum cassinoides / Witherod Viburnum	Cont.	5 Gal.		1
<b>EVERGREEN SHRUBS</b>					
Bx	Buxus x 'Green Mountain' / Green Mountain Boxwood	Cont.	5 Gal.		100
Ix-2	Ilex glabra 'Shamrock' / Shamrock Inkberry Holly	Cont.	3 Gal.		29
<b>PERENNIALS</b>					
Af	Athyrium filix-femina / Common Lady Fern	Cont.	1 Gal.		3
Vr	Callirhoe involucrata / Purple Poppymallow	Cont.	1 Gal.		22
Xa	Carex albicans / White-finged Sedge	Cont.	4 In		39
Es	Eragrostis spectabilis / Purple Lovegrass	Cont.	Pint		16
Pr	Polemonium reptans / Greek Valerian	Cont.	1 Gal.		26
Ss	Schizachyrium scoparium / Little Bluestem	Cont.	1 Gal.		59
Sh	Sporobolus heterolepis / Prairie Dropseed	Cont.	1 Gal.		96

City of Madison Landscape Worksheet								
Address:		Voit Lot 10		Date:	12/15/2025			
Total Square Footage of Developed Area:	(Site Area)	-	(Building Footprint at Grade)			=	28191.5	sf
		38210.5				10019		
Total Landscape Points Required (<5 ac):		28,192	/ 300 =	94	x 5 =	470	470	
Landscape Points Required >5 ac:			/ 100 =	0	x 1 =	-		
				Credits/ Existing Landscaping			New/ Proposed Landscaping	
Plant Type/ Element	Min. Size at Installation	Points	Quantity	Points Achieved	Quantity	Points Achieved		
Overstory deciduous tree	2.5" cal	35		0	2	70		
Tall Evergreen Tree	5-6 feet tall	35		0		0		
Ornamental tree	1.5" cal	15		0	4	60		
Upright evergreen shrub	3-4 feet tall	10		0		0		
Shrub, deciduous	#3 gallon	3		0	91	273		
Shrub, evergreen	#3 gallon	4		0	129	516		
Ornamental grasses/perennials	#1 gallon	2		0		0		
Ornamental/decorative fencing or wall	n/a	4 per 10 LF		0		0		
Existing significant specimen tree	Min. Size 2.5" cal.	14 per caliper inch.		0		0		
Landscape Furniture for public seating and/or transit connections		5 points per "seat"		0		0		
Sub Totals				0		919		
			Total Points Provided:			919		



11 Dec 2025 - 1:20p M:\Madison Area Community Land Trust\250040 - Voll Farm Lot 10\CADD\250040\_Landscape.dwg by: egor





**vierbicher**  
planners engineers advisors

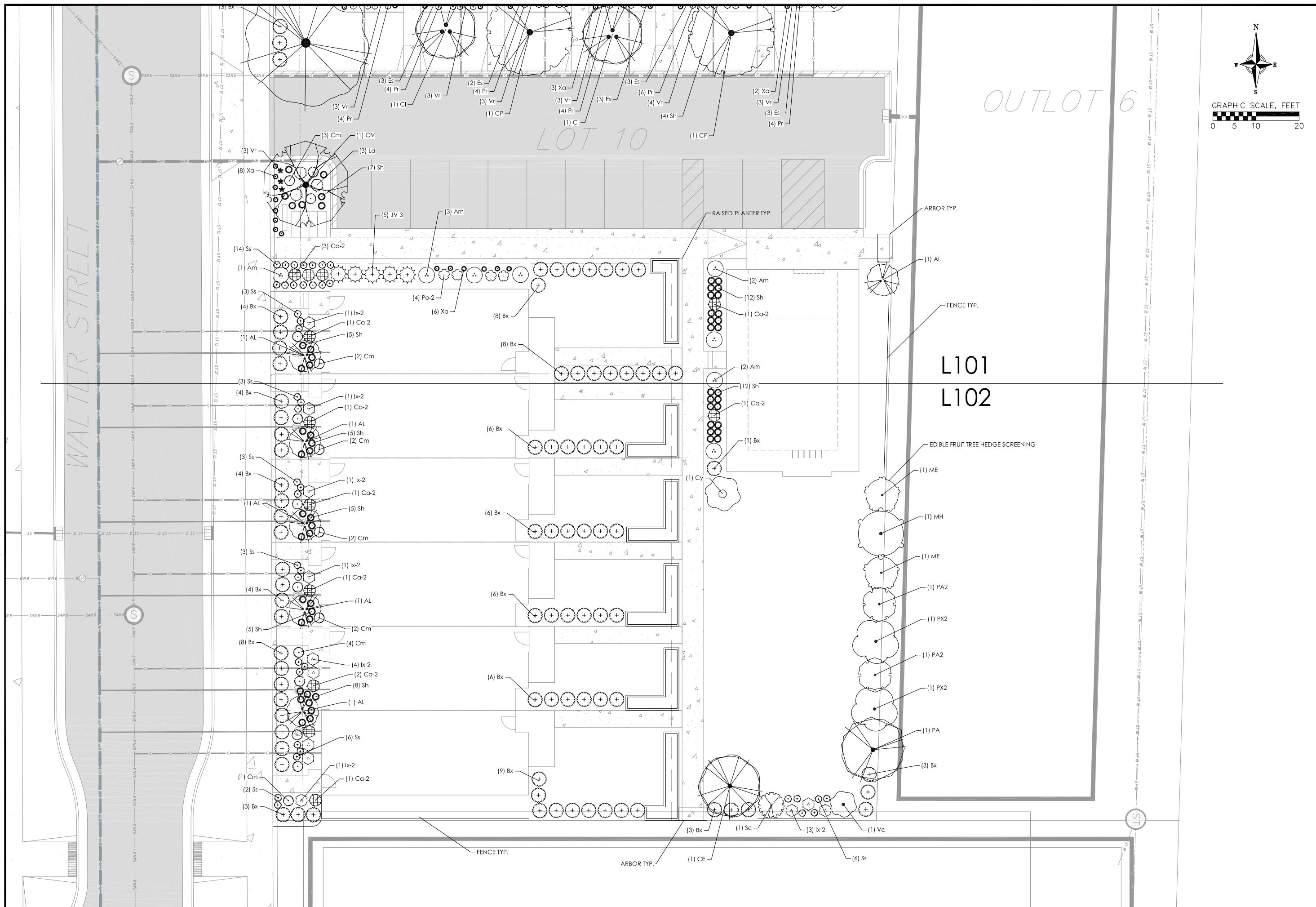
**North Landscape Plan**  
Lot 10, Starkweather Plat  
City of Madison  
Dane County, Wisconsin

REVISIONS		REVISIONS	
NO.	DATE	NO.	DATE

DATE	12/15/2025
DRAFTER	EGOR
CHECKED	RKOL
PROJECT NO.	250040

**L101**





DATE		REMARKS		NO.		DATE		REMARKS	
12/15/2025									
DRAFTER									
EGOR									
CHECKED									
RKOL									
PROJECT NO.									
250040									
L102									



PLANT MATERIAL NOTES:

1.

ALL PLANTINGS SHALL CONFORM TO QUALITY REQUIREMENTS AS PER ANSI Z60.1.
2.

ALL PLANT MATERIAL SHALL BE TRUE TO SPECIES, VARIETY AND SIZE SPECIFIED, NURSERY GROWN IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES, AND UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE OF THE PROJECT SITE.
3.

CONTACT LANDSCAPE ARCHITECT, IN WRITING, TO REQUEST ANY PLANT MATERIAL SUBSTITUTIONS DUE TO AVAILABILITY ISSUES.
4.

ALL PLANTS SHALL BE GUARANTEED TO BE IN HEALTHY AND FLOURISHING CONDITION DURING THE GROWING SEASON FOLLOWING INSTALLATION. ALL PLANT MATERIAL SHALL BE GUARANTEED FOR ONE YEAR FROM THE TIME OF INSTALLATION.
5.

EXACT LOCATIONS OF EACH PLANT ARE GIVEN IN PLAN. WHILE SLIGHT DEVIATIONS ARE ACCEPTABLE, OVERALL SCHEMATIC/ORIENTATION TO BE ADHERED TO AS ACCURATELY AS POSSIBLE. NOTIFY LANDSCAPE ARCHITECT OF ANY CONFLICTS.

LANDSCAPE MATERIAL NOTES:

1.

CONTRACTOR SHALL PROVIDE A SUITABLE AMENDED TOPSOIL BLEND FOR ALL PLANTING AREAS WHERE SOIL CONDITIONS ARE UNSUITABLE FOR PLANT GROWTH. TOPSOIL SHALL CONFORM TO QUALITY REQUIREMENTS AS PER SECTION 625.2(1) OF THE "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION." PROVIDE A MINIMUM OF 18" OF TOPSOIL IN ALL PLANTING AREAS AND 6" OF TOPSOIL IN AREAS TO BE SEEDED/SODDED.
2.

SUBSOIL UNDER TURF AND PLANTING BEDS MUST BE FREE DRAINING AND LOOSE TO ALLOW ROOT PENETRATION AND DRAINAGE. LANDSCAPE CONTRACTOR SHOULD NOTIFY GENERAL CONTRACTOR IF SUBSURFACE COMPACTION IS UNFIT FOR PLANTING. LANDSCAPE CONTRACTOR IS NOT RESPONSIBLE FOR SUBSURFACE SOIL PREPARATION.
3.

LANDSCAPE BEDS TO BE MULCHED WITH UNDYED SHREDDED HARDWOOD BARK MULCH TO 3" DEPTH MIN. DO NOT ALLOW MULCH TO COVER LEAVES, STEMS, OR TRUNKS OF INSTALLED PLANTS. NO LANDSCAPE FABRIC TO BE INSTALLED WITHIN PLANTED AREAS.
4.

LANDSCAPE BEDS, AND SEEDED AREAS ARE SEPARATED WITH COMMERCIAL GRADE ALUMINUM LANDSCAPE EDGING, PERMALOC CLEANLINE 3/8"x4" OR EQUAL, COLOR BLACK ANODIZED.
4.

ALL TREES AND/OR SHRUBS PLANTED IN SEEDED AREAS TO BE INSTALLED WITH A 6' DIAMETER UNDYED SHREDDED HARDWOOD BARK MULCH RING AT A DEPTH OF 3" AND SHOVEL CUT EDGE. A SLOW RELEASE FERTILIZER AND MYCORRHIZAL INOCULATE SHOULD BE APPLIED TOPICALLY AT TIME OF PLANTING PRIOR TO MULCH APPLICATION ACCORDING TO MANUFACTURER SPECIFICATIONS.

GENERAL LANDSCAPE NOTES:

1.

CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR ANY RIGHT OF WAY WORK.
2.

CONTRACTOR SHALL VERIFY ALL UTILITIES WITHIN SCOPE OF CONTRACT.
3.

CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS AT SITE AND COMPLETE WORK PER SCHEDULE.
4.

CONTRACTOR SHALL CLEAN ALL PAVEMENT AREAS WITHIN SITE AFTER COMPLETION. CONTRACTOR SHALL CLEAN ANY AFFECTED PAVED AREAS OUTSIDE OF DISTURBANCE DELINEATION DAILY.
5.

ALL MATERIAL QUANTITIES AND AREA MEASUREMENTS SHOWN ON LANDSCAPE PLAN ARE TO BE CONFIRMED BY LANDSCAPE CONTRACTOR. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND ADJUSTING FOR ANY QUANTITATIVE DISCREPANCIES BETWEEN PLAN, SCHEDULES, AND PREPARED CONDITIONS PRIOR TO INSTALLATION.
6.

PLANTS SHALL BE INSTALLED WHEN ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED WITHIN THE IMMEDIATE VICINITY.
7.

ANY PREPARED SITE CONDITIONS THAT CONTRADICT THE LANDSCAPE PLAN AND NEGATIVELY AFFECT THE SUCCESS OF PLANTINGS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.
8.

LANDSCAPE CONTRACTOR TO PROVIDE 60 DAYS OF INITIAL MAINTENANCE PERIOD FOLLOWING LANDSCAPE INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR WATERING ALL SEEDINGS AND PLANTINGS, AS WELL AS MOWING, WEEDING AND MATERIAL CLEAN UP.

FENCE\_PRECEDENT



ARBOR\_PRECEDENT



SEEDING AND PLUG PLANTING NOTES:

1.

ALL UNLABELED DISTURBED AREAS AND AREAS SHOWN AS TURF GRASS TO BE SEEDED WITH 'MADISON PARKS' SEED MIX BY LA CROSSE SEED OR EQUIVALENT. ALL SEEDED AREAS ARE TO BE WATERED DAILY TO MAINTAIN ADEQUATE SOIL MOISTURE FOR PROPER GERMINATION. AFTER VIGOROUS GROWTH IS ESTABLISHED, APPLY 1/2" WATER TWICE WEEKLY UNTIL FINAL ACCEPTANCE. (PRIOR TO ROUTINE MAINTENANCE SCHEDULE ESTABLISHMENT, MOWING SHOULD OCCUR TO MAINTAIN A TURF HEIGHT OF 3"-6".) PRIOR TO SEEDING APPLY A MINIMUM OF 4" TOPSOIL TO ENTIRE AREA. FOLLOWING SEEDING APPLY A MULCH LAYER OF STRAW OR STRAW MAT.

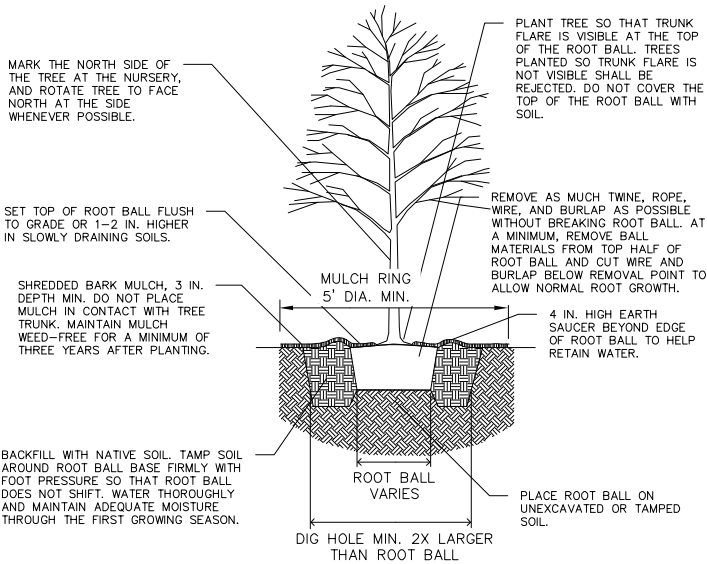
NOTES:

1.

DO NOT HEAVILY PRUNE TREE AT PLANTING. PRUNE ONLY CROSSING LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.
2.

STAKE TREES ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT.
3.

WRAP TREES ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT.



1 B&B TREE PLANTING DETAIL  
1 NOT TO SCALE

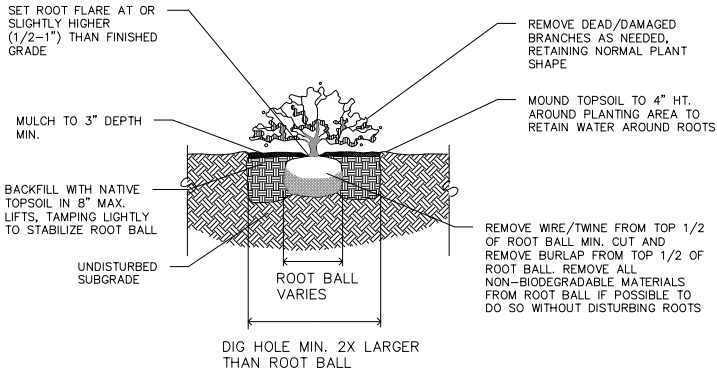
NOTES:

1.

KEEP CONTAINERS ON PLANTS UNTIL READY TO INSTALL TO MINIMIZE ROOT DAMAGE FROM EXPOSURE TO AIR. GENTLY LOOSEN ROOTS ON ROOTBOUND PLANTS. SEVERELY ROOTBOUND PLANTS WILL BE REJECTED.
2.

APPLY MYCORRHIZAL INNOCULANT TO SOIL PRIOR TO MULCHING, PER SPECIFIED APPLICATION RATES.
3.

WATER PLANTS THOROUGHLY AFTER PLANTING TO SETTLE SOIL.



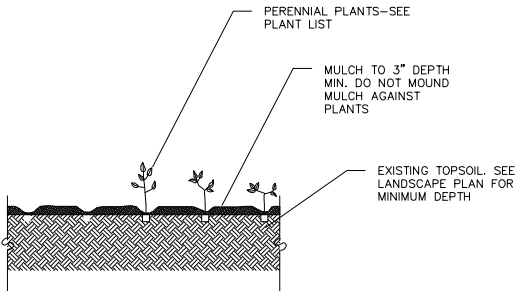
1 SHRUB PLANTING DETAIL  
1 NOT TO SCALE

NOTES:

1.

KEEP CONTAINERS ON PLANTS UNTIL READY TO INSTALL TO MINIMIZE ROOT DAMAGE FROM EXPOSURE TO AIR. GENTLY LOOSEN ROOTS ON ROOTBOUND PLANTS. SEVERELY ROOTBOUND PLANTS WILL BE REJECTED.
2.

WATER PLANTS THOROUGHLY AFTER PLANTING TO SETTLE SOIL.



1 PERENNIAL PLANTING DETAIL  
1 NOT TO SCALE









# RSX1 LED

## Area Luminaire

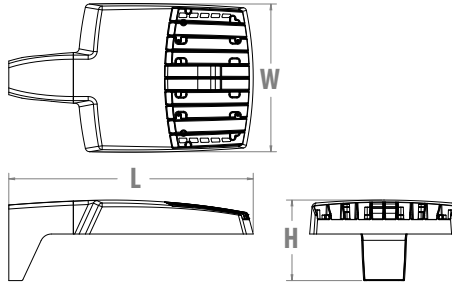


Catalog Number
Notes
Type

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

### Specifications

EPA (ft <sup>2</sup> @0°):	0.57 ft <sup>2</sup> (0.05 m <sup>2</sup> )
Length:	21.8" (55.4 cm) (SPA mount)
Width:	13.3" (33.8 cm)
Height:	3.0" (7.6 cm) Main Body 7.2" (18.4 cm) Arm
Weight: (SPA mount):	22.0 lbs (10.0 kg)



### Introduction

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

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



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](http://www.acuitybrands.com/designselect).

\*See ordering tree for details



### Ordering Information

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

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

Options		Finish
<b>Shipped Installed</b>		DDBXD Dark Bronze
HS House-side shield <sup>7</sup>		DBLXD Black
PE Photocontrol, button style <sup>8,9</sup>		DNAXD Natural Aluminum
PER7 Seven-wire twist-lock receptacle only (no controls) <sup>9,10,11</sup>		DWHXD White
SF Single fuse (120, 277, 347) <sup>5</sup>		DBBTD Textured Dark Bronze
DF Double fuse (208, 240, 480) <sup>5</sup>		DBLBXD Textured Black
SPD20KV 20KV Surge pack (10KV standard)		DNATXD Textured Natural Aluminum
FAO Field adjustable output <sup>9</sup>		DWHGXD Textured White
DMG 0-10V dimming extend out back of housing for external control (control ordered separate) <sup>9</sup>		
<b>Shipped Installed</b>		
<b>*Standalone and Networked Sensors/Controls (factory default settings, see table page 9)</b>		
NLTAIR2 PIRHN nLight AIR generation 2, with Networked, Bi-Level motion/ambient sensor <sup>9,12,13,14</sup>		
BAA Buy America(n) Act and/or Build America Buy America Qualified		
CCE Coastal Construction <sup>15</sup>		
<b>*Note: NLTAIR2 PIRHN with nLight Air can be used as a standalone or networked solution. Sensor coverage pattern is affected when luminaire is tilted.</b>		
<b>Shipped Separately (requires some field assembly)</b>		
EGS External glare shield <sup>7</sup>		
EGFV External glare full visor (360° around light aperture) <sup>7</sup>		
BS Bird spikes <sup>16</sup>		





## Ordering Information

### Accessories

Ordered and shipped separately.

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

### NOTES

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

## External Shields



House Side Shield



External Glare Shield

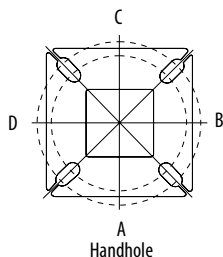


External 360 Full Visor

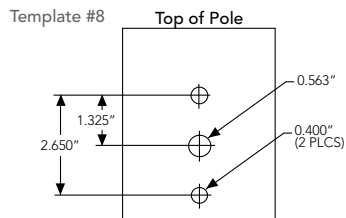
## Pole/Mounting Information

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

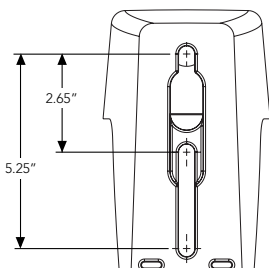
### HANDHOLE ORIENTATION



### RSX POLE DRILLING



### RSX STANDARD ARM & ADJUSTABLE ARM



### Round Tenon Mount - Pole Top Slipfitters

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

### Drill/Side Location by Configuration Type

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

### RSX1 - Luminaire EPA

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

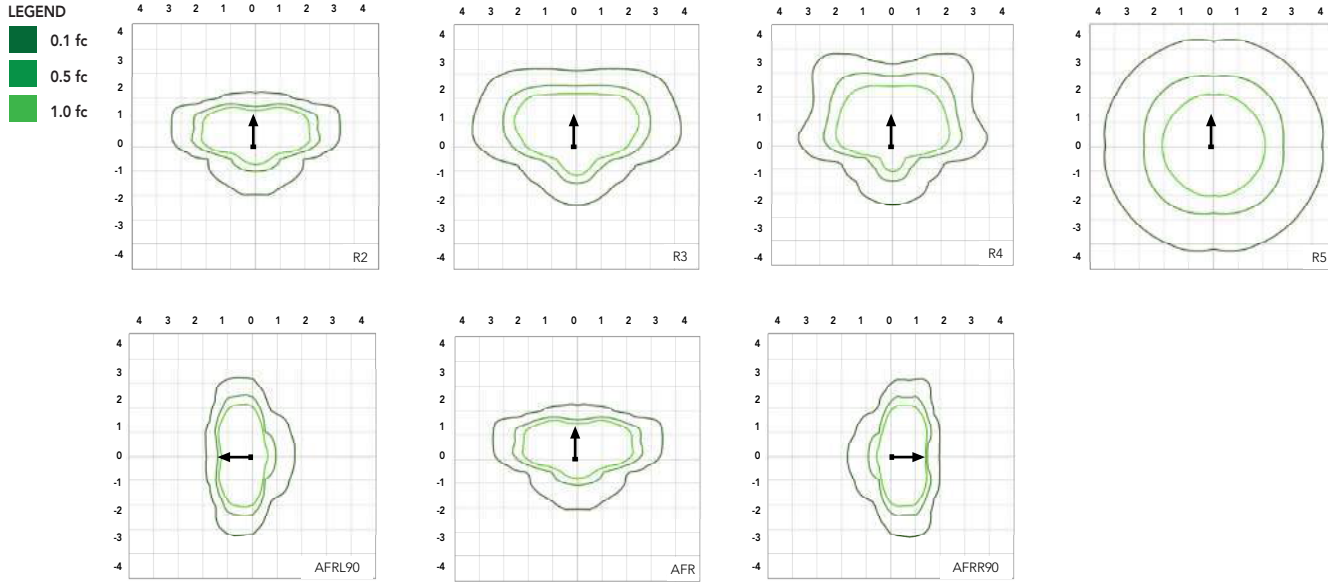
Fixture Quantity & Mounting Configuration	Single	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side
Mounting Type	Tilt								
SPA - Square Pole Adaptor	0°	0.57	1.03	1.05	1.52	1.36	2.03	1.31	2.26
RPA - Round Pole Adaptor		0.62	1.08	1.15	1.62	1.46	2.13	1.36	2.36
MA - Mast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



## Photometric Diagrams

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

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



## Performance Data

### Lumen Ambient Temperature (LAT) Multipliers

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

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

### Electrical Load

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

### Projected LED Lumen Maintenance

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

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



## Lumen Output

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

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

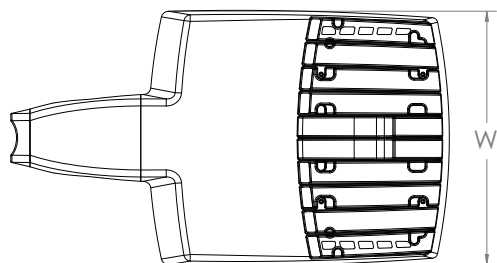


## Dimensions & Weights

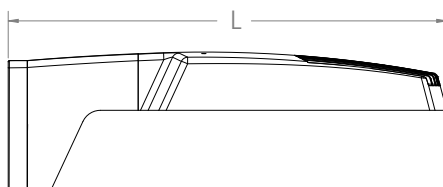
### Luminaire Weight by Mounting Type

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

#### RSX1 with Round Pole Adapter (RPA)



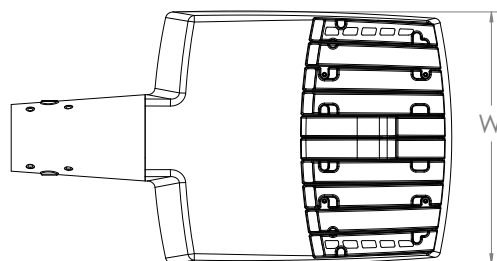
Length: 22.8" (57.9 cm)  
 Width: 13.3" (33.8 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 7.2" (18.4 cm) Arm



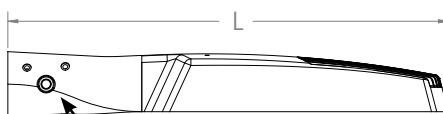
Note: RPA — Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.



#### RSX1 with Mast Arm Adapter (MA)

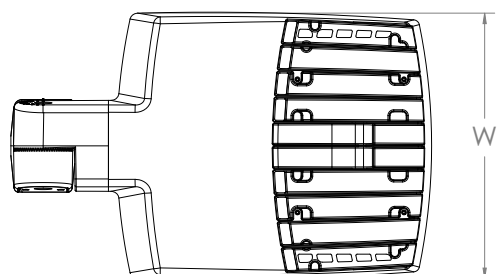


Length: 23.2" (59.1 cm)  
 Width: 13.3" (33.8 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 3.5" (8.9 cm) Arm

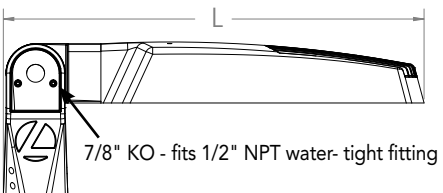


7/16" locking thru bolt/nut provided

#### RSX1 with Adjustable Slipfitter (IS)



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



7/8" KO - fits 1/2" NPT water-tight fitting

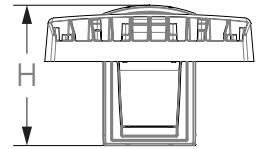
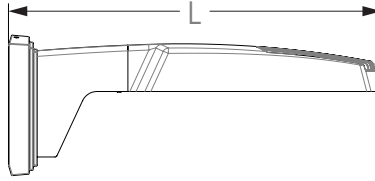
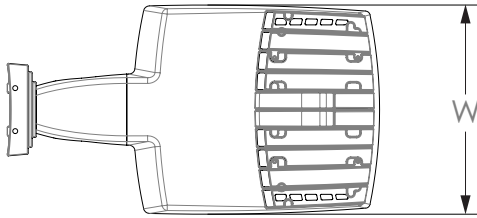


COMMERCIAL OUTDOOR



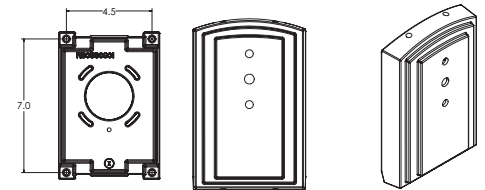
## Dimensions

### RSX1 with Wall Bracket (WBA)

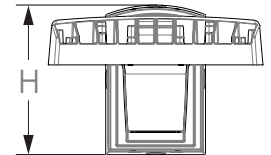
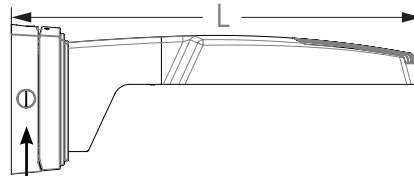
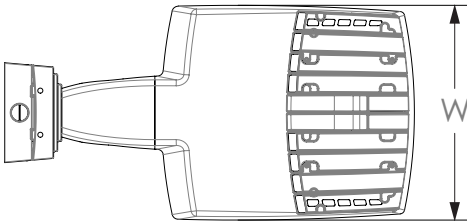


Length: 23.6" (59.9 cm)  
 Width: 13.3" (33.8 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 8.9" (22.6 cm) Arm

#### Wall Bracket (WBA) Mounting Detail



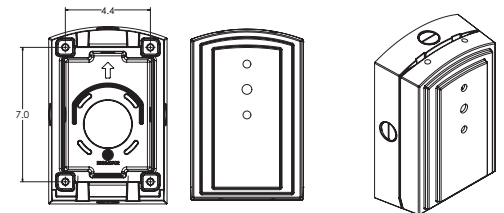
### RSX1 with Wall Bracket with Surface Conduit Box (WBASC)



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

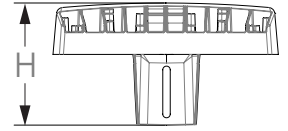
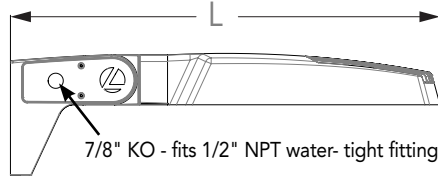
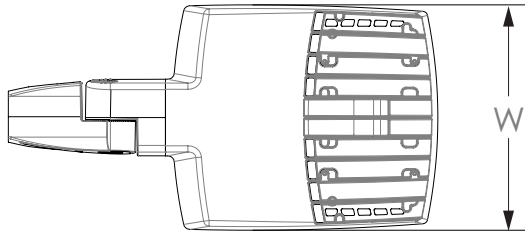
Length: 25.3" (64.3 cm)  
 Width: 13.3" (33.8 cm)  
 Height: 3.0" (7.6 cm) Main Body  
 9.2" (23.4 cm) Arm

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



## Dimensions

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



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



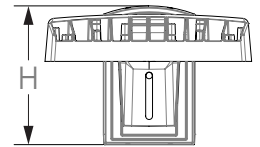
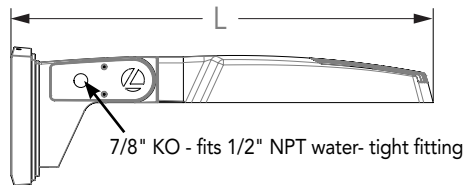
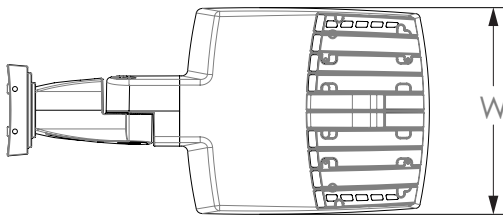
**NOTE:**  
 RPA - Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

#### Notes

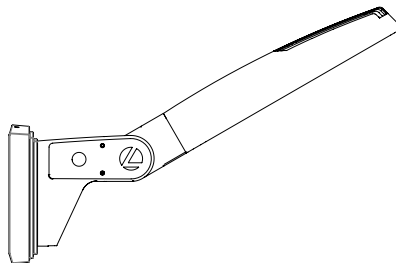
AASP: Requires 3.0" min. square pole for 1 at 90°. Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°.

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

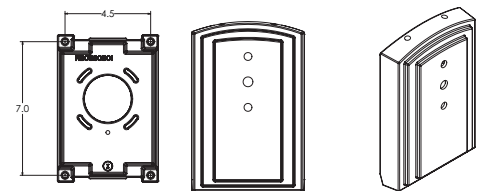
### RSX1 with Adjustable Tilt Arm with Wall Bracket (AAWB)



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



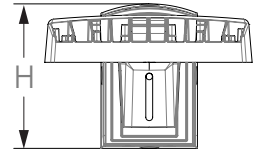
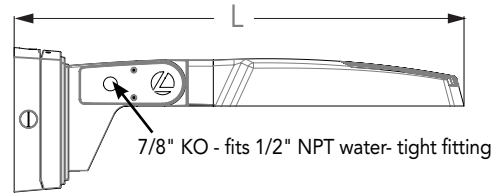
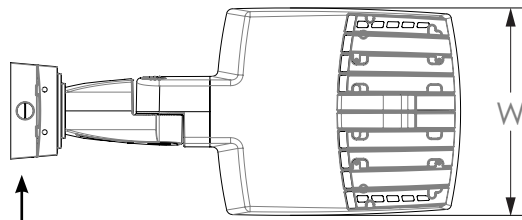
#### Wall Bracket (WBA) Mounting Detail





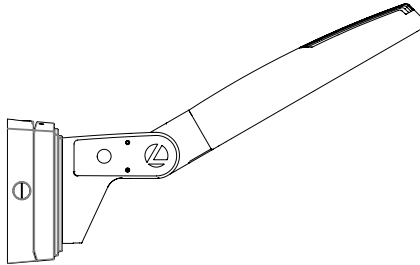
## Dimensions

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

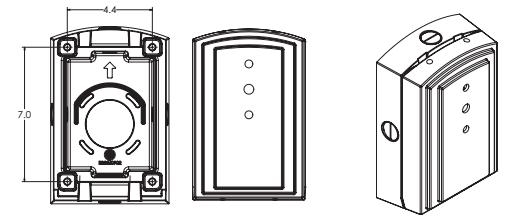


3/4" NPT taps  
with plugs - Qty (4)  
provided

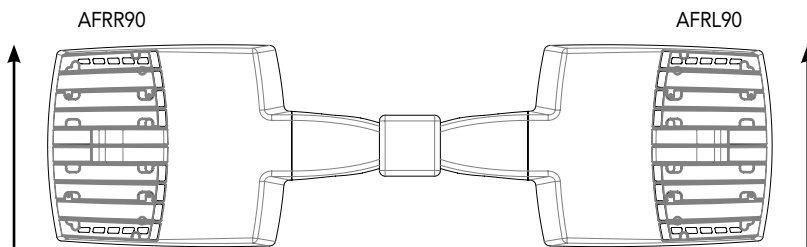
Length: 28.8" (73.2 cm)  
Width: 13.3" (33.8 cm)  
Height: 3.0" (7.6 cm) Main Body  
9.2" (23.4 cm) Arm



### Surface Conduit Box (SCB) Mounting Detail



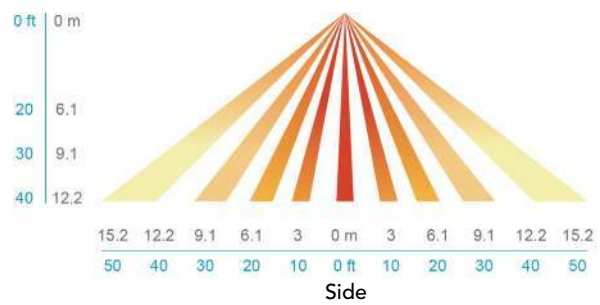
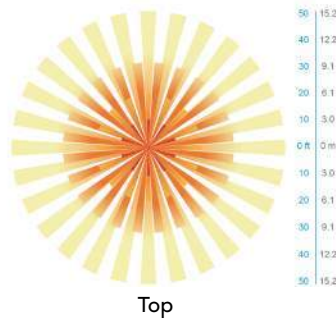
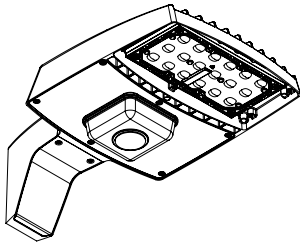
### Automotive Front Row - Rotated Optics (AFRL90/R90)



(Example: 2@180 - arrows indicate direction of light exiting the luminaire)

## nLight Sensor Coverage Pattern

### NLTAIR2 PIRHN



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

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

## FEATURES & SPECIFICATIONS

### INTENDED USE

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

### CONSTRUCTION

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

### FINISH

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

### COASTAL CONSTRUCTION (CCE)

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

### OPTICS

Precision acrylic refractive lenses are engineered for superior application efficiency, distributing the light to where it is needed most. Available in short and wide pattern distributions including Type 2, Type 3, Type 3S, Type 4, Type 4S, Type 5, Type 5S, AFR (Automotive Front Row), and AFR rotated AFR90 and ARFL90.

### ELECTRICAL

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

### STANDARD CONTROLS

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

### nLIGHT AIR CONTROLS

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

### INSTALLATION

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

### LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only. U.S. Patent No. D882, 146S

### GOVERNMENT PROCUREMENT

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

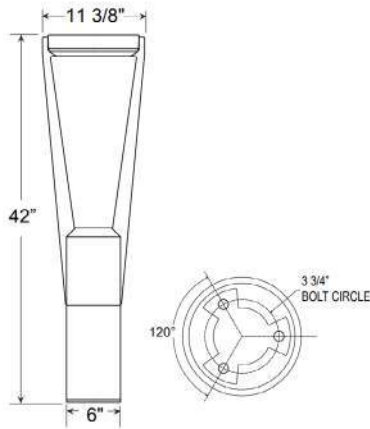
### WARRANTY

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](http://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.





## Specifications

**Material:**

Durable A356 cast aluminum, 6061 extruded aluminum, and aluminum sheet metal. Hardware is stainless steel or zinc-plated steel. Exposed hardware matches body finish.

**Lens:**

Clear PMMA Acrylic IES Distribution Lens plus secondary Clear Polycarbonate lens

**Mounting:**

3/8" x 10" galvanized steel anchor bolts.

**Drivers:**

Universal Voltage 120-277V. 0-10V to 1% dimming is standard. (Refer to Driver Specification section for other specifications.)

**Dark Sky Friendly:**

To maintain dark sky friendly compatibility: ≤3000K

**Electrical:**

A lightning surge protective device is standard (20KA<sup>3</sup> Max/10KA<sup>2</sup> Nominal). Approximately 12" of pull wire extends from body. All bollards are prewired with 0-10V dimming leads.

**Finish:**

A polyester powder coat high quality finish. Marine grade finish is available.

**Modifications:**

Consult factory for custom or modified designs.

**Certifications:**

UL Listed for outdoor, wet location. LED is IP66.

**Buy American:**

This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS, and DOT regulations. [Click here for additional information.](#)

## BL0121 LED Dark Sky Friendly

Weight: 24 lbs.

## Catalog Logic

BL0121

CL

A010LD2

T5

40K

IBOLT

72

Bollard Series

Lens

Light Source &amp; Wattage

Optics

CCT

Accessories

Finish

## Catalog Number

1

2

3

4

5

6

BL0121

### 1 LENS

- CL (Clear Polycarbonate)

### 2 LIGHT SOURCE & WATTAGES

- A010LD2 (10W)
- A018LD4 (18W)
- A032LD8 (32W)

### 3 OPTICS

- T1 (Type I)
- T2 (Type II)
- T3 (Type III)
- T5 (Type V)

### 4 CCT (COLOR TEMPERATURE)

- 27K (2700K)
- 30K (3000K)
- 35K (3500K)
- 40K (4000K)
- AMB (590nm True Amber)

### 5 ACCESSORIES

- HLMSIN (Integral high-low motion sensor; See page 2 for specifications)
- HSS180-BL0121 (180° House Side Shield)
- IBOLT (Eye Bolt)
- PC (Dusk-till-dawn Button Photocell)

Accessory finish will match fixture finish. GFI20 & GFI-WPU standard location is @18" & to the rear of the bollard.

### 6 FINISHES

\*Premium and Marine Grade Finish have additional charges

Standard Colors	Standard Grade	Marine Grade*	Standard Colors	Standard Grade	Marine Grade*
Aspen Green	10	10M	Copper Clay	53	53M
Cantaloupe	11	11M	Silver	56	56M
Lilac	12	12M	Black Verde	61	61M
Putty	13	13M	Painted Chrome	70	70M
Raw Unfinished	40	NA	Painted Copper	71	71M
Black	41	41M	Textured Black	72	72M
Forest Green	42	42M	Matte Black	73	73M
Bright Red	43	43M	Textured Architectural Bronze	76	76M
White	44	44M	Textured White	77	77M
Bright Blue	45	45M	Textured Silver	78	78M
Sunny Yellow	46	46M	<b>PREMIUM FINISH</b>		
Aqua Green	47	47M	Textured Desert	80	80M
Galvanized	49	NA	Graystone	82	82M
Navy	50	50M	Oil Rubbed Bronze	83	83M
Architectural Bronze	51	51M	Carbon Graphite	96	96M
Patina Verde	52	52M			

Consult Factory for additional paint charges and availability.

Project Name: \_\_\_\_\_

Fixture Type: \_\_\_\_\_ Quantity: \_\_\_\_\_

Customer: \_\_\_\_\_

PERFORMANCE TABLE - 12 LED ARRAY - DELIVERED LUMENS

LED CATALOG	WATTS	DISTRIBUTION	AMBER				2700K				3000K				3500K				4000K			
			DELIVERED LUMENS	lm/W	B	U	G	DELIVERED LUMENS	lm/W	B	U	G	DELIVERED LUMENS	lm/W	B	U	G	DELIVERED LUMENS	lm/W	B	U	G
A010LD2	10W	TYPE I	360	36	0	0	0	726	73	0	0	0	794	79	1	0	1	836	84	1	0	1
		TYPE II	379	38	0	0	0	755	76	0	0	0	826	83	0	0	0	869	87	0	0	0
		TYPE III	380	38	0	0	0	816	82	0	0	0	892	89	0	0	0	939	94	0	0	0
		TYPE V	412	41	0	0	0	884	88	1	0	1	967	97	1	0	1	1018	102	1	0	1
A018LD4	18W	TYPE I	648	36	0	0	0	1308	73	1	0	1	1430	79	1	0	1	1505	84	1	0	1
		TYPE II	682	38	0	0	0	1359	76	1	0	1	1487	83	1	0	1	1564	87	1	0	1
		TYPE III	684	38	0	0	0	1469	82	1	0	0	1606	89	1	0	0	1690	94	1	0	1
		TYPE V	742	41	1	0	1	1591	88	1	0	1	1740	97	1	0	1	1832	102	1	0	1
A032LD8	32W	TYPE I	1152	36	1	0	1	2325	73	1	0	1	2542	79	1	0	1	2676	84	1	0	1
		TYPE II	1212	38	1	0	1	2416	76	1	0	1	2643	83	1	0	1	2781	87	1	0	1
		TYPE III	1215	38	0	0	0	2611	82	1	0	1	2856	89	1	0	1	3005	94	1	0	1
		TYPE V	1319	41	1	0	1	2829	88	1	0	1	3094	97	1	0	1	3256	102	2	0	2

## LED SPECIFICATION

- PMMA Optical Lens
- 12 High-power LEDs
- Efficacy: 94-120 lm/W
- Distributions: Type I, II, III, V
- CCT: 2700K, 3000K, 3500K, 4000K, 590nm True Amber
- CRI: >90
- Ingress Protection: IP66

## MOTION SENSOR SPECIFICATION AND FACTORY DEFAULTS

- Sensor Type: Microwave
- 330° Detection Range, Approximately 15' (30' Diameter)
- Line Voltage Sensor: 120 / 240 / 277 VAC, 50/60 Hz
- Dim Levels: High / Low 50%
- Motion Time Delay: 5 min
- For other settings consult factory

## DRIVER SPECIFICATION

- Universal Input 120-277V
- Dimming: 0-10V, TRIAC, ELV (Dims to 1%)
- Power Factor @ Full Load >90%
- THD @ Full Load <20%
- Constant Current Output 50/60Hz
- Operating Temperature: -30°C Minimum (32W is -10° Minimum)
- Lifetime: >50,000 hours
- Ingress Protection: IP66
- Certifications: UL Recognized, FCC, Energy Star, CA Title 24, RoHS



Project Name: \_\_\_\_\_

Fixture Type: \_\_\_\_\_ Quantity: \_\_\_\_\_

Customer: \_\_\_\_\_

## ACCESSORIES



IBOLT



PHOTOCELL



HLMSIN



HSS180

## FINISHES COLORS

## STANDARD



## PREMIUM



## FINISHES

- A polyester powder coat high quality finish is electro-statically applied and baked at 430° for exceptional durability and color retention. Products undergo an intensive five-step cleansing and pretreatment process for maximum paint adhesion. 5-year warranty for aluminum products. 2-year warranty for steel products.
- Marine grade finish provides superior salt, humidity and UV protection. This coating withstands up to 3,000 hours of continuous salt spray, comes with a 2-year warranty and is available in either a textured or gloss surface.

## WARRANTY

- See [www.ANPlighting.com](http://www.ANPlighting.com) for complete fixture warranty.
- LED warranty information
- 5 year limited warranty\*
- \*Limited Warranty: A typical year is defined as 4,380 hours of operation.

## 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 1/2"-3/4" and four 1/2" 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.

**UGR** — UGR is zero for fixtures aimed at nadir with a cut-off equal to or less than 60deg per CIE 117-1996 Discomfort Galre in Interior Lighting. [UGR FAQs](#)

**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.

**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](http://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](http://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

LDN4			
Nominal	Lumens	Wattage	Lm/W
500	523.6	5.74	91.2
750	751.1	8.6	87.3
1000	1045	10.58	98.8
1500	1512	17.5	86.4
2000	2006	22.12	90.7
2500	2551	26.1	97.7
3000	3007	32.1	93.7
4000	4212	43	98.0

### Notes

Tested in accordance with IESNA LM-79-08

Tested to current IES and NEMA standards under stabilized laboratory conditions

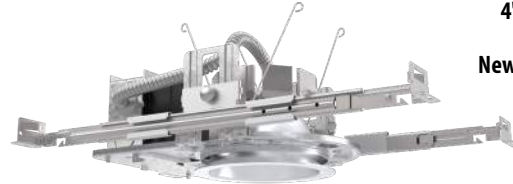
Based on LDN4 AR LSS 35K 80CRI



Catalog Number
Notes
Type

# LDN4 STATIC WHITE

**4" Open and Wallwash LED Non-IC New Construction Downlight**

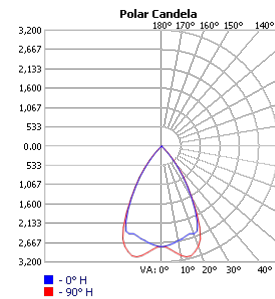


Open Trim

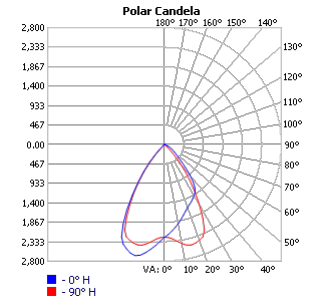


Wallwash Trim

## DISTRIBUTIONS



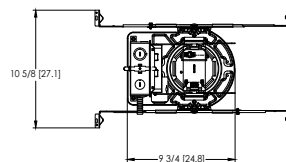
Open



Wallwash

## DIMENSIONS

### LDN4 500-2000 Lumens



Aperture: Ø 4-5/16" [11]  
Ceiling Cutout: Ø 5-1/8" [13] Self-flanged  
Overlap Trim: Ø 5-7/16" [13.8]  
Ceiling Cutout: Ø 5-1/4" [13.3] Flangeless

See page 4 for other fixture dimensions



## ORDERING INFORMATION

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

Example: LDN4 35/15 L04 AR LSS MVOLT EZ1

LDN4														
Series		Color temperature		Lumens ‡		Trim Style		Trim Color		Trim Finish		Flange Color ‡		
LDN4 4" round	27/	2700K	05	500 lumens	20	2000 lumens	L04	Downlight	AR	Clear	LSS	Semi-specular	TRW	White painted flange
	30/	3000K	07	750 lumens	25	2500 lumens	LW4	Wallwash	WR ‡	White	LD	Matte diffuse	TRBL	Black painted flange
	35/	3500K	10	1000 lumens	30	3000 lumens			BR ‡	Black	LS	Specular	FRALTB	RAL painted flange only
	40/	4000K	15	1500 lumens	40	4000 lumens			TRALTB ‡	RAL painted trim			FCPC	Custom painted flange only
	50/	5000K							TCPC ‡	Custom painted trim				

Voltage		Driver		Emergency ‡		Control Input ‡	
MVOLT	Multi-volt	GZ10	0-10V driver dims to 10%	(blank)	No emergency option	(blank)	No control option
120	120V	GZ1	0-10V driver dims to 1%	EL	Emergency battery pack with integral test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS	NPP16D	nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1).
277	277V	D10	Minimum dimming 10% driver for use with SSAIR	ELR	Emergency battery pack with remote test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS	NPP16DER	nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1). ER controls fixtures on emergency circuit.
347 ‡	347V	D1	Minimum dimming 1% driver for use with SSAIR	ELSD	Emergency battery pack with self-diagnostics, 10W Constant Power, integral test switch. Not Certified in CA Title 20 MAEDBS	N80	nLight™ Lumen Compensation
		EZ1	0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 1%	ELRSD	Emergency battery pack with self-diagnostics, 10W Constant Power, remote test switch. Not Certified in CA Title 20 MAEDBS	SSAIR	Wireless standalone embedded control by SensorSwitch
		EDAB	eldoLED DALI SOLDRIVE dim to dark	E10WCP	Emergency battery pack, 10W Constant Power with integral test switch. Certified in CA Title 20 MAEDBS	NPS80EZ	nLight® dimming pack controls 0-10V eldoLED drivers (EZ10, EZ1).
				E10WCPR	Emergency battery pack, 10W Constant Power with remote test switch. Certified in CA Title 20 MAEDBS	NPS80EZER	nLight® dimming pack controls 0-10V eldoLED drivers (EZ10, EZ1). ER controls fixtures on emergency circuit.
				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.

## Options

HAO ‡	High ambient option (40°C)
CP ‡	Chicago Plenum
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.
BAA	Buy America(n) Act and/or Build America Buy America Qualified
90CRI	High CRI (90+)
SF ‡	Single fuse



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](http://www.acuitybrands.com/designselect).  
\*See ordering tree for details

(Maximum order quantity for design select lead times is 160.)

## ‡ Option Value Ordering Restrictions

Option value	Restriction
Lumen Packages	Overall height varies based on lumen package, refer to dimensional charts on page 4
WR, BR	Not available with finish (LSS, LD, LS)
TRALTB, FRALTB	RALTB for pricing only. Replace with applicable RAL number and finish when ready to order. See the <a href="#">RAL BROCHURE</a> for available color options. Not available with TCPC or FCPC
TRW, TRBL	Available with clear (AR) trim color only
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 <a href="#">HERE</a> for more details. Not available with TRAL or FRAL
347	Not available with emergency options
All Emergency	12.5" of plenum depth or top access required for battery pack maintenance.
NPP16D, NPP16DER	Not available with MVOLT. ER for use with generator supply EM power. Will require an emergency hot feed and normal hot feed.
SF	Must specify 120 or 277 volt
N80	Fixture begins at 80% light level. Must be specified with NPS80EZ or NPS80EZ ER. Only available with EZ10 and EZ1 drivers.
NPP16D, NPP16DER, NPS80EZ, NPS80EZER	Specify voltage. ER for use with generator supply EM power. Will require an emergency hot feed and normal hot feed.
NLTAIR2, NLTAIRER2, NLTAIREM2	Not available with CP, NPS80EZ, NPS80EZER, NPP16D, NPP16DER or N80 options. Not recommended for metal ceiling installations.
NLTAIR2	When combined with EZ1 or EZ10 drivers, can be used as a normal power
SSAIR	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.
HAO	Fixture height is 5-11/16" for all lumen packages with HAO.
CP	Must specify voltage for 3000lm. Not available with emergency battery pack option.
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.

<b>Accessories:</b> Order as separate catalog number.	
<a href="#">EAC ISSM 375</a>	Compact interruptible emergency AC power system
<a href="#">EAC ISSM 125</a>	Compact interruptible emergency AC power system
GRA46 JZ	Oversized trim ring with 6" outside diameter
SCA4	Sloped Ceiling Adapter. Degree of slope must be specified (5D, 10D, 15D, 20D, 25D, 30D). Ex: SCA4 10D.

Emergency Battery Pack Options - Field Installable

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

All the above are UL 924 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 illuminations outperforms legacy 1400 lumen fluorescent emergency ballasts.  
Please contact us at [techsupport@iotaengineering.com](mailto:techsupport@iotaengineering.com) for any Emergency Battery related questions.

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](http://www.acuitybrands.com/aplus).



## PHOTOMETRY

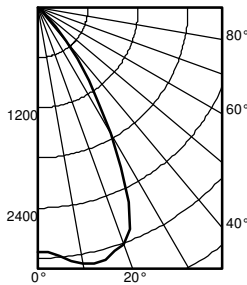
## Distribution Curve

## Distribution Data

## Output Data

Illuminance Data at 30" Above Floor for  
a Single Luminaire

**LDN4 35/30 L04AR**, input watts: 32.1, delivered lumens: 3122.6, LM/W = 88.52, spacing criterion at 0= 1.04, test no. ISF 30712P249.



Ave	Lumens	Zone	Lumens	% Lamp
0	2927	0° - 30°	2301.2	73.7
5	2989	0° - 40°	2968.2	95.1
15	3120	0° - 60°	3121.1	100.0
25	2575	0° - 90°	3122.6	100.0
35	1062	90° - 120°	0.0	0.0
45	149	90° - 130°	0.0	0.0
55	3	90° - 150°	0.0	0.0
65	2	90° - 180°	0.0	0.0
75	0	0° - 180°	3122.6	*100.0
85	0			*Efficiency
90	0			

Initial FC					
50% beam - 55.6°					
10% beam - 78.0°					
Mounting	Center	Diameter		FC	
Height	Beam	Diameter	FC	Diameter	FC
8.0	96.8	5.8	48.4	8.9	9.7
10.0	52.0	7.9	26.0	12.2	5.2
12.0	32.4	10.0	16.2	15.4	3.2
14.0	22.1	12.1	11.1	18.6	2.2
16.0	16.1	14.2	8.0	21.9	1.6

## LUMEN OUTPUT MULTIPLIERS - CCT

	2700K	3000K	3500K	4000K	5000K
80CRI	0.950	0.966	1.000	1.025	1.101

## 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

## Notes

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

## HOW TO ESTIMATE DELIVERED LUMENS IN EMERGENCY MODE

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

$$\text{Delivered Lumens} = 1.25 \times P \times \text{LPW}$$

P = Output 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](#).

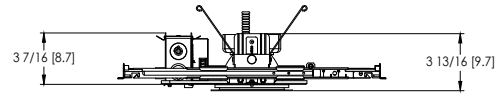
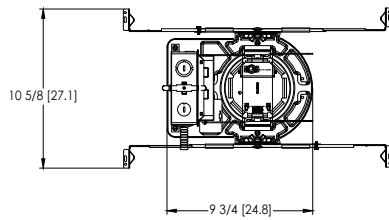
## COMPATIBLE 0-10V WALL-MOUNT DIMMERS

MANUFACTURER	PART NO.	POWER BOOSTER AVAILABLE
Lutron®	Diva® DDTV	
	Diva® DVSCVT	
	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 OA2000FAMU	
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 DALI net Router
WattStopper®	LS-4 used with LCD-101 and LCD-103	

# LDN4

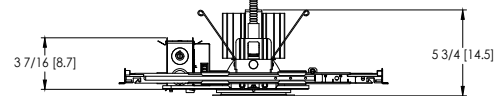
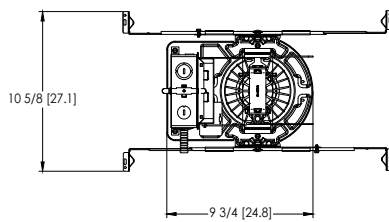
\* All dimensions are inches (centimeters) unless otherwise noted.

## LDN4 500-2000 Lumens



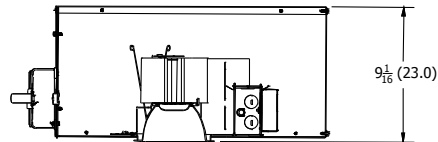
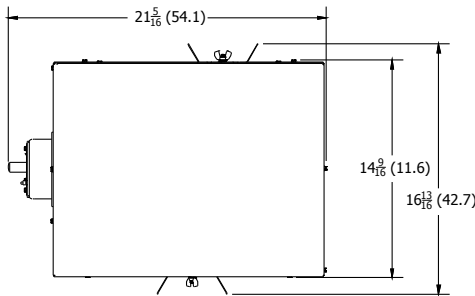
Aperture:  $\varnothing$  4-5/16" [11]  
 Ceiling Cutout:  $\varnothing$  5-1/8" [13] Self-flanged  
 Overlap Trim:  $\varnothing$  5-7/16" [13.8]  
 Ceiling Cutout:  $\varnothing$  5-1/4" [13.3] Flangeless

## LDN4 2000-4000 Lumens



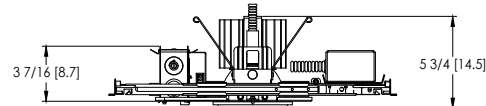
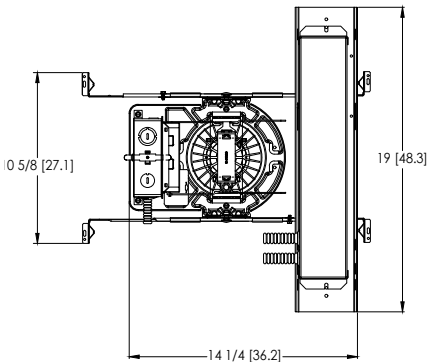
Aperture:  $\varnothing$  4-5/16" [11]  
 Ceiling Cutout:  $\varnothing$  5-1/8" [13] Self-flanged  
 Overlap Trim:  $\varnothing$  5-7/16" [13.8]  
 Ceiling Cutout:  $\varnothing$  5-1/4" [13.3] Flangeless

## LDN4 CP



Aperture: 4-5/16" (11)  
 Ceiling Opening: 5-1/8" (13)  
 Overlap Trim: 5-7/16" (13.8)

## LDN4 EL



Aperture:  $\varnothing$  4-5/16" [11]  
 Ceiling Cutout:  $\varnothing$  5-1/8" [13] Self-flanged  
 Overlap Trim:  $\varnothing$  5-7/16" [13.8]  
 Ceiling Cutout:  $\varnothing$  5-1/4" [13.3] Flangeless





### 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](http://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

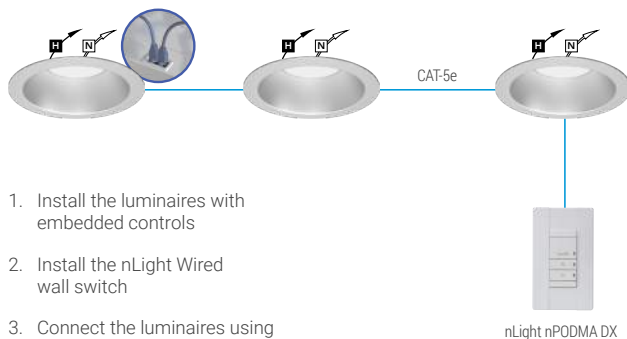


### Single Lighting Controls Platform for Indoor & Outdoor Spaces

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



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



1. Install the luminaires with embedded controls
2. Install the nLight AIR battery-powered wall switch
3. Use CLAIRITY+ 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.