

# 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



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

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

## FOR OFFICE USE ONLY:

Paid \_\_\_\_\_ Receipt # \_\_\_\_\_

Date received \_\_\_\_\_

Received by \_\_\_\_\_

Aldermanic District \_\_\_\_\_

Zoning District \_\_\_\_\_

Urban Design District \_\_\_\_\_

Submittal reviewed by \_\_\_\_\_

Legistar # \_\_\_\_\_

## 1. Project Information

Address: \_\_\_\_\_

Title: \_\_\_\_\_

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

UDC meeting date requested \_\_\_\_\_

- |  |   |
|--|---|
| <input type="checkbox"/> New development | <input type="checkbox"/> Alteration to an existing or previously-approved development |
| <input type="checkbox"/> Informational   | <input type="checkbox"/> Initial approval <input type="checkbox"/> Final approval     |

## 3. Project Type

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

### Signage

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

### Other

- ☐ Please specify \_\_\_\_\_

## 4. Applicant, Agent, and Property Owner Information

<b>Applicant name</b> _____	Company _____
Street address _____	City/State/Zip _____
Telephone _____	Email _____

<b>Project contact person</b> _____	Company _____
Street address _____	City/State/Zip _____
Telephone _____	Email _____

<b>Property owner (if not applicant)</b> _____	
Street address _____	City/State/Zip _____
Telephone _____	Email _____

## 5. Required Submittal Materials

- ☒ **Application Form**
- ☒ **Letter of Intent**
  - If the project is within an Urban Design District, a summary of how the development proposal addresses the district criteria is required
  - For signage applications, a summary of how the proposed signage is consistent with the applicable CDR or Signage Variance review criteria is required.
- ☒ **Development plans** (Refer to checklist on Page 4 for plan details)
- ☐ **Filing fee**
- ☒ **Electronic Submittal\***

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

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

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

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

## 6. Applicant Declarations

1. Prior to submitting this application, the applicant is required to discuss the proposed project with Urban Design Commission staff. This application was discussed with Janine Glaeser on DAT Meeting 11/14/2019.
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 Alf G. McConnell

Relationship to property Owner

Authorizing signature of property owner



Date 5/20/20

## 7. Application Filing Fees

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

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

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

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

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



## Introduction

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

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

## Types of Approvals

There are three types of requests considered by the UDC:

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

## Presentations to the Commission

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

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

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

# URBAN DESIGN DEVELOPMENT PLANS CHECKLIST

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

## 1. Informational Presentation

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

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

### Requirements for All Plan Sheets

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

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

## 2. Initial Approval

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

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

## 3. Final Approval

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

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

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

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





May 20, 2020

Heather Stouder  
Department of Planning & Community & Economic Development  
Madison Municipal Building, Suite 017  
215 Martin Luther King Jr. Blvd  
P.O. Box 2985  
Madison, Wisconsin 53701-2985

Re: Letter of Intent  
1802-1818 Packers Ave, 2102 Schlimgen Ave  
Madison, WI

Ms. Heather Stouder,

The following is submitted together with the plans and application for staff review and sign-off.

**Organizational Structure:**

Owner/Developer: Liberty Mortgage & Development  
2677 Orrington Ave  
Evanston, IL 60201  
Phone: 847-491-1907  
Contact: Alf G. McConnell  
[alfmccconnell@gmail.com](mailto:alfmccconnell@gmail.com)

Engineer: Vierbicher Engineering, Inc.  
999 Fourier Drive Suite 201  
Madison, WI 53717  
Phone: 608-862-0532  
Fax: 608-826-0530  
Contact: John Kastner  
[jkas@vierbicher.com](mailto:jkas@vierbicher.com)

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

Landscape Design: Vierbicher Engineering, Inc.  
999 Fourier Drive Suite 201  
Madison, WI 53717  
Phone: 608-826-0530  
Contact: John Kastner  
[jkas@vierbicher.com](mailto:jkas@vierbicher.com)

**Introduction:**

The proposed site is located on the north west corner of Packers Ave and Schlimgen Ave. The property at 1802 to 1818 Packers Ave is zone TR-C4 – Traditional Residential – Consistent District 4 and will be rezoned to NMX – Neighborhood Mixed-Use District. The site is also located within Urban Design District #4.

This proposal will create a four-story multi-family building with 71 apartments of housing financed with the assistance of Low-Income Housing Tax Credits. The existing structures including houses at 1802 Packers Ave and 1818 Packers Ave, and two abandoned Hertz Rent-A-Car lots at 1814 Packers Ave and at and 2102 Schlimgen Ave will be deconstructed for the redevelopment of the site.

### **Project Description:**

The new development consists of a new four-story, “L-shaped” building that is situated along Packers Avenue and allows for the driveways to be located off of the less active Schlimgen Ave. The commercial space is located in the southeast corner of the building, fronting on Packers Avenue and is close to the parking area. The building will include 58 underground parking stalls and 44 surface stalls.

The building architecture references both the residential and commercial characteristics of the area. The exterior materials will be a combination of masonry with a cast stone base and horizontal composite siding. Landscaping along the two streets enhance the building and provide an attractive buffer and streetscape.

### **Affordable Housing**

The proposed project is designed and financed to provide affordable housing to a range of family sizes and incomes. Unit sizes range from one bedroom to three bedroom apartments. Of the 71 apartments and townhomes, 56 will be income-restricted. All of the three bedroom townhomes will be income restricted providing an opportunity for families to live in a high-quality housing environment.

This project will be financed with the assistance of federal LIHTC's that are administered by the Wisconsin Housing and Economic Development Authority.

### **Demolition**

The existing site currently has existing structures. We believe that the demolition standards can be met as these are not historic structures or significant to this area of the city. The demolition allows for an important redevelopment that will provide affordable housing to this neighborhood. A Re-use and Recycling Plan will be submitted prior to the deconstruction of the structure.

### **Conditional Use approvals:**

The proposed redevelopment requires conditional uses to allow for a residential building with more than 8 units, for a four-story building, and also for a building larger than 10,000 sq.ft.. The proposed building's size, scale and use are consistent with the City's Comprehensive Plan for this property, which calls for Neighborhood Mixed Use in 2-4 stories.

### **City and Neighborhood Input:**

We have met with the City on several occasions for this proposed development including meetings with Staff and attending a DAT Meeting. We have also had meetings with the Alder and the neighborhood to understand their goals and desires with this redevelopment. These discussions have helped shape the overall design of this project.

### **Conformance with UDD No. 4 Requirements**

The project has been designed to generally conform to the guidelines set in the Urban Design District Number 4 and the following items have been incorporated into the design of the proposed project:

- Landscaping will be both functional and aesthetic. The majority of plantings will be a diverse mix of native species and arranged in clusters where appropriate while other areas will use mass plantings to compliment the building. Off-street parking and neighboring homes will be screened with evergreen trees and canopy trees will be used to shade the pavement.
- The building has been sited in order to place the building along the street and to locate the parking and access to the underground parking behind this main façade, while maintaining appropriate setbacks from the adjacent residential properties.



- As stated earlier, the building architecture references both the residential and commercial characteristics of the area. The exterior materials will be a combination of masonry with a cast stone base and horizontal composite siding and all facades have been treated with equal importance.
- The site lighting has been designed with the use of full cut-off fixtures in order to ensure there will be no glare onto adjacent properties.
- The vast majority of the parking for this project is contained within the building in two levels of parking so that it is not visible from John Nolen Drive. The small exterior parking areas have been located away from the adjacent residential areas and will be screened by landscaping.
- The trash and recycling areas are contained within the basement level of the building for the residents so these items will not be visible.
- Any mechanical equipment located on the roof will not be visible from adjacent properties and any ground mounted equipment will be screened with landscaping.

**Site Development Data:**

**Densities:**

Lot Area	53,761 S.F. / 1.3 acres
Dwelling Units	71 DU
Lot Area / D.U.	757 S.F./D.U.
Density	54.6 units/acre
Open Space	16,310 S.F. (15,520 S.F. Min. Required)
Lot Coverage	39,658 S.F. = 74% (40,320 S.F., 75% Max Required.)

**Building Height:** 4 Stories

**Gross Floor Areas:**

Residential Area	79,528 S.F.
Commercial Area	1,044 S.F.

**Floor Area Ratio** 1.50

**Dwelling Unit Mix:**

One Bedroom	45
Two Bedroom	17
Three Bedroom	9
Total Dwelling Units	71

**Vehicle Parking:**

Surface	44 stalls
<u>Underground</u>	<u>58 stalls</u>
Total	102 stalls

**Bicycle Parking:**

Garage long-term	71 stalls
Surface Stalls long-term	5 stalls
Surface Stalls for Visitors	7 stalls
<u>Surface Stalls for Commercial</u>	<u>2 stalls</u>
Total	85 stalls

**Project Schedule:**

It is anticipated that the construction on this site will start in Summer 2021 with a final completion of Summer 2022.

Thank you for your time reviewing our proposal.

Sincerely,

A handwritten signature in black ink, appearing to read "Kevin Burow". The signature is fluid and cursive, with the first name "Kevin" and last name "Burow" clearly distinguishable.

Kevin Burow, AIA, NCARB, LEED AP  
Managing Member





# D-Series Size 0 LED Area Luminaire



Catalog Number
Notes
Type

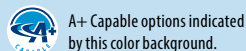
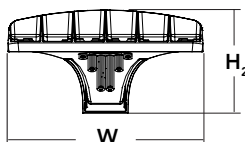
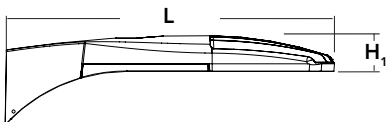
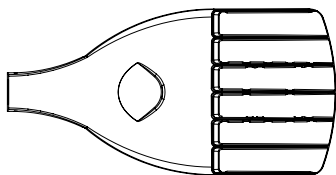
Hit the Tab key or mouse over the page to see all interactive elements.

## Introduction

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

## Specifications

EPA:	0.95 ft <sup>2</sup> (.09 m <sup>2</sup> )
Length:	26" (66.0 cm)
Width:	13" (33.0 cm)
Height <sub>1</sub> :	3" (7.62 cm)
Height <sub>2</sub> :	7" (17.8 cm)
Weight (max):	16 lbs (7.25 kg)



## Ordering Information

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

DSX0 LED					
Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX0 LED	<b>Forward optics</b> P1 P4 P7 P2 P5 P3 P6 <b>Rotated optics</b> P10' P12' P11' P13'	30K 3000 K 40K 4000 K 50K 5000 K	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short T5S Type V short T5M Type V medium T5W Type V wide BLC Backlight control <sup>2</sup> LCCO Left corner cutoff <sup>2</sup> RCCO Right corner cutoff <sup>2</sup>	MVOLT <sup>3,4</sup> 120 <sup>4</sup> 208 <sup>4</sup> 240 <sup>4</sup> 277 <sup>4</sup> 347 <sup>4,5</sup> 480 <sup>4,5</sup>	<b>Shipped included</b> SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor <sup>6</sup> RPUMBA Round pole universal mounting adaptor <sup>6</sup> <b>Shipped separately</b> KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>7</sup>

Control options	Other options	Finish (required)
<b>Shipped installed</b> NLTAIR2 nLight AIR generation 2 enabled <sup>8,9</sup> PIRHN Network, high/low motion/ambient sensor <sup>10</sup> PER NEMA twist-lock receptacle only (control ordered separate) <sup>11</sup> PER5 Five-pin receptacle only (control ordered separate) <sup>11,12</sup> PER7 Seven-pin receptacle only (leads exit fixture) (control ordered separate) <sup>11,12</sup> DMG 0-10V dimming extend out back of housing for external control (control ordered separate) <sup>13</sup>	<b>Shipped installed</b> HS House-side shield <sup>17</sup> SF Single fuse (120, 277, 347V) <sup>4</sup> DF Double fuse (208, 240, 480V) <sup>4</sup> L90 Left rotated optics <sup>1</sup> R90 Right rotated optics <sup>1</sup> DDL Diffused drop lens <sup>17</sup> <b>Shipped separately</b> BS Bird spikes <sup>18</sup> EGS External glare shield <sup>18</sup>	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white



## Ordering Information

### Accessories

Ordered and shipped separately.

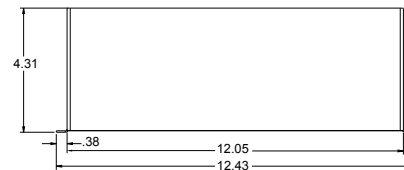
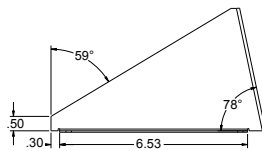
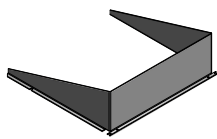
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) <sup>19</sup>
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) <sup>19</sup>
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) <sup>19</sup>
DSHORT SBK U	Shorting cap <sup>19</sup>
DSX0HS 20C U	House-side shield for P1,P2,P3 and P4 <sup>17</sup>
DSX0HS 30C U	House-side shield for P10,P11,P12 and P13 <sup>17</sup>
DSX0HS 40C U	House-side shield for P5,P6 and P7 <sup>17</sup>
DSX0DDL U	Diffused drop lens (polycarbonate) <sup>17</sup>
PUMBA DDBXD U*	Square and round pole universal mounting bracket adaptor (specify finish) <sup>20</sup>
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) <sup>4</sup>

For more control options, visit [DTL](#) and [ROAM](#) online.  
Link to [nLight Air 2](#)

### NOTES

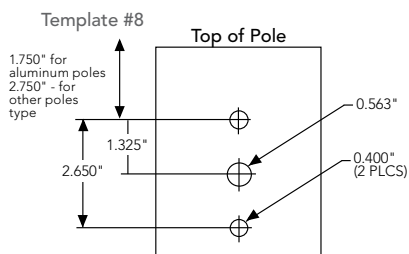
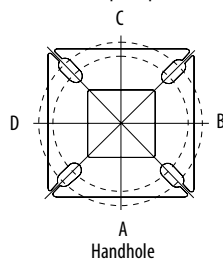
- 1 P10, P11, P12 and P13 and rotated options (L90 or R90) only available together.
- 2 Not available with HS or DDL.
- 3 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 4 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- 5 Not available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

## EGS – External Glare Shield



## Drilling

### HANDHOLE ORIENTATION (from top of pole)



### Tenon Mounting Slipfitter

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

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

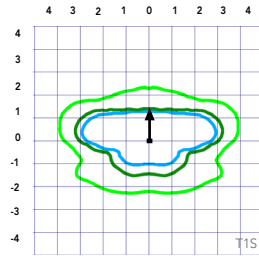
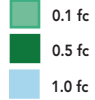


# Photometric Diagrams

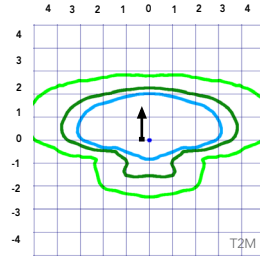
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 0 homepage](#).

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

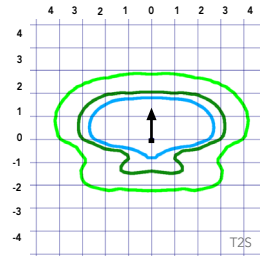
## LEGEND



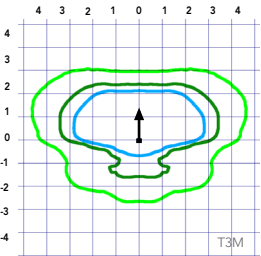
Test No.



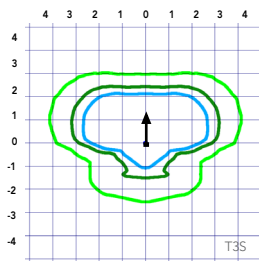
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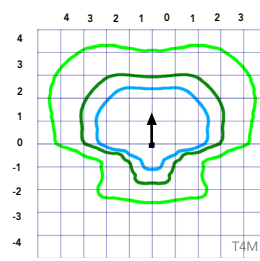
Test No. LTL2345/P25 tested in accordance with IESNA LM-79-08.



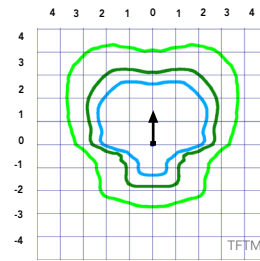
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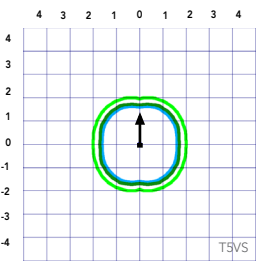
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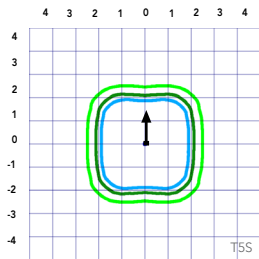
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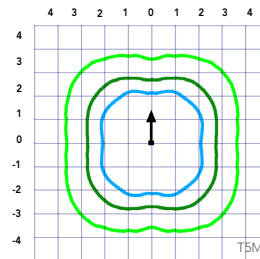
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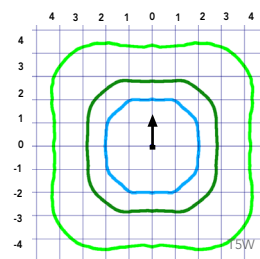
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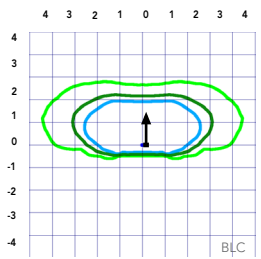
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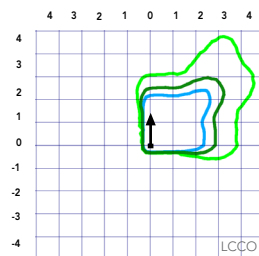
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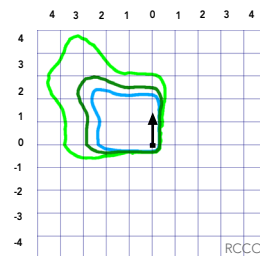
Test No. LTL2345/P25 tested in accordance with IESNA LM-79-08.



Test No.



Test No.



Test No.

## Performance Data

### Lumen Ambient Temperature (LAT) Multipliers

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

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

### Projected LED Lumen Maintenance

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

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

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

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

\*for use with separate Dusk to Dawn or timer.

### Electrical Load

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

### Controls Options

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

## Performance Data

### Lumen Output

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

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

## Performance Data

### Lumen Output

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

#### Forward Optics

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



## Performance Data

### Lumen Output

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

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

## A+ Capable Luminaire

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

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

To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).

1. See ordering tree for details.

2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire.

Sold Separately: [Link to Roam](#); [Link to DTL DLL](#)

## FEATURES & SPECIFICATIONS

### INTENDED USE

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

### CONSTRUCTION

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

### FINISH

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

### OPTICS

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

### ELECTRICAL

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

### STANDARD CONTROLS

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

### nLIGHT AIR CONTROLS

The DSX0 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped 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

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

### LISTINGS

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

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

### WARRANTY

5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/resources/terms-and-conditions](http://www.acuitybrands.com/resources/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.



COMMERCIAL OUTDOOR

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DSX0-LED  
Rev. 09/12/19  
Page 8 of 8



# LIL LED

## LED Wall Luminaire



Catalog  
Number

Notes

Type

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

## Specifications

	Standard	With Battery Pack(EL)
Width:	5"	5-7/8"
Height:	5-1/8"	6-1/8"
Depth:	2-3/4"	4-1/4"
Weight:	1.5 lbs	3 lbs

## Introduction

LIL LED is a compact and energy efficient wall luminaire ideal for replacing small incandescent and CFL luminaires. Photocell and battery pack options make LIL LED great for installations above doors, balconies, garage or warehouse entrances, and security applications. Whether directly mounting to a recessed junction box, or using the back box accessory for conduit entry/through wiring, LIL LED has you covered!

## Ordering Information

EXAMPLE: LIL LED 40K MVOLT WH

LIL LED					
Series	Color Temperature	Voltage	Controls	Mounting	Finish
LIL LED	30K 3000 K 40K 4000 K	MVOLT 120 / 277V <sup>1</sup>	(blank) None PE MVOLT button photocell <sup>1,2</sup> EL Battery pack <sup>2</sup>	(blank) None BB Back box accessory for conduit wiring <sup>3</sup>	DDBTXD Textured dark bronze WH White

## Accessories

Ordered and shipped separately.

LIL LED BB DDBTXD	Back box for conduit entry applications, dark bronze - CI Code *249WXH
LIL LED BB WH	Back box for conduit entry applications, white - CI Code *249WXJ

## NOTES

1. MVOLT driver operates on 120V and 277V (50/60Hz).
2. PE and EL cannot be ordered together.
3. Optional accessory for conduit entry wiring. Can be ordered with the luminaire or separately. Shipped separately. BB option is not available with emergency battery pack (EL) version.

## FEATURES & SPECIFICATIONS

### INTENDED USE

The versatility of LIL LED combines a sleek, compact profile with photocell and emergency battery pack options to provide a great solution for wall mount applications. LIL LED is ideal for replacing up to 100W incandescent or 32W CFL luminaires in installations above doors, balconies, garage or warehouse entrances, and security applications. It can also be used for decorative and general lighting in outdoor environments.

### CONSTRUCTION

Aluminum housing with white or textured dark bronze paint for lasting durability. The polycarbonate lens creates uniform light distribution, and it is UV resistant - great for outdoor environments!

### OPTICS

Light engines are available in 3000K and 4000K CCTs. See Lighting Facts label and photometry reports for specific fixture performance.

### ELECTRICAL

LED technology provides long operating life (L70/50,000 hours at 25°C). Electronic drivers have a power factor >90% and THD <20% and a minimum 2.5kV surge rating.

### INSTALLATION

Easily mounts to recessed junction boxes or for surface mounting and conduit entry — with the back box with two 1/2" threaded conduit entry hubs.

This luminaire is mounted with the lens facing down. Neutral wire is required for three phase input.

### LISTINGS

UL Listed to U.S. and Canadian safety standards for wet locations. Rated for -40° C minimum to 40° C maximum ambient temperature. Battery pack versions are rated to 0° C minimum. Tested in accordance with IESNA LM-79 and LM-80 standards.

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

Eligible to be submitted for Title 20 and Title 24 compliance.

### WARRANTY

5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx).

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



One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.705.7378 • [www.lithonia.com](http://www.lithonia.com)  
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LIL LED  
Rev. 08/19/19

## Performance Data

### Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts.

Model Number	CCT	Rated Power	Lumens	LPW
LIL LED	3000K	8.4W	800	95

### Electrical Load

Model Number	Rated Power	Input current at given input voltage (amps)			
		120V	208V	240V	277V
LIL LED	8.4W	0.07	0.04	0.03	0.03

### Projected LED Lumen Maintenance

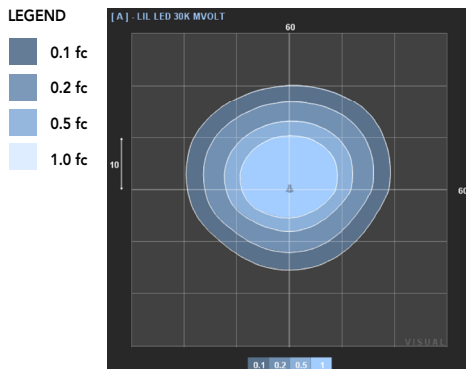
Data references the extrapolated performance projections in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

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

Operating Hours	0	25,000	50,000
LIL LED	1.00	0.92	0.85

## Photometric Diagrams

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

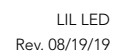


## Accessories

- LIL LED BBW DDBTXD Back box for conduit entry applications, dark bronze
- LIL LED BBW WH Back box for conduit entry applications, white



## LIL LED XXK MVOLT





# City of Madison Fire Department

314 W Dayton Street, Madison, WI 53703-2506  
Phone: 608-266-4420 • Fax: 608-267-1100 • E-mail: [fire@cityofmadison.com](mailto:fire@cityofmadison.com)

**Project Address:** 1802, 1814, 1818 Packers Ave and 2102 Schlimgen Ave

**Contact Name & Phone #:** Kevin Burow 608-836-3690

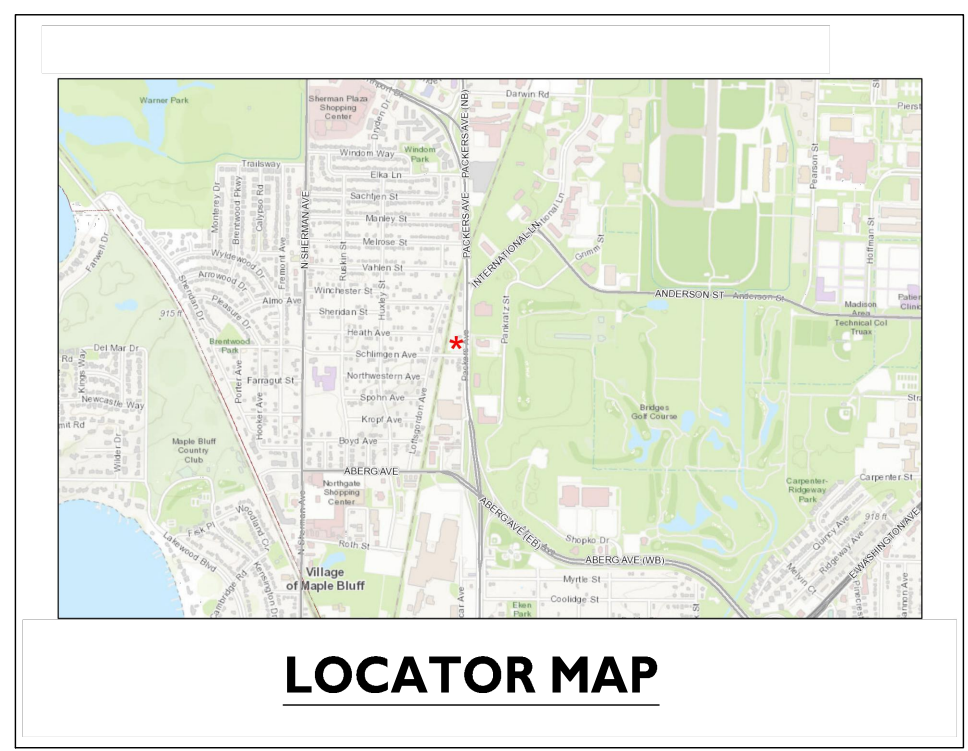
## FIRE APPARATUS ACCESS AND FIRE HYDRANT WORKSHEET

1. Is the building completely protected by an NFPA 13 or 13R automatic fire sprinkler system? <b>If non-sprinklered</b> , fire lanes extend to within 150-feet of all portions of the exterior wall? <b>If sprinklered</b> , fire lanes are within 250-feet of all portions of the exterior wall?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	<input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A <input type="checkbox"/> N/A
2. Is the fire lane constructed of concrete or asphalt, designed to support a minimum load of 85,000 lbs? a) Is the fire lane a minimum unobstructed width of at least 20-feet? b) Is the fire lane unobstructed with a vertical clearance of at least 13½-feet? c) Is the minimum inside turning radius of the fire lane at least 28-feet? d) Is the grade of the fire lane not more than a slope of 8%? e) Is the fire lane posted as fire lane? (Provide detail of signage.) f) Is a roll-able curb used as part of the fire lane? (Provide detail of curb.) g) Is part of a sidewalk used as part of the required fire lane? (Must support +85,000 lbs.)	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A
3. Is the fire lane obstructed by security gates or barricades? If yes: a) Is the gate a minimum of 20-feet clear opening? b) Is an approved means of emergency operations installed, key vault, padlock or key switch?	<input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	<input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A
4. Is the Fire lane dead-ended with a length greater than 150-feet? If yes, does the area for turning around fire apparatus comply with IFC D103?	<input type="checkbox"/> Yes <input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No <input type="checkbox"/> No	<input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A
5. Is any portion of the building to be used for high-piled storage in accordance with IFC Chapter 3206.6 If yes, see IFC 3206.6 for further requirements.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
6. Is any part of the building <u>greater than 30-feet</u> above the grade plane? If yes, answer the following questions: a) Is the aerial apparatus fire lane parallel to one entire side of the building and covering at least 25% of the perimeter? b) Is the near edge of the aerial apparatus fire lane between 15' and 30' from the building? c) Are there any overhead power or utility lines located across the aerial apparatus fire lane? d) Are there any tree canopies expected to grow across the aerial fire lane? (Based on mature canopy width of tree species) e) Does the aerial apparatus fire lane have a minimum unobstructed width of 26-feet? f) Is the space between the aerial lane and the building free of trees exceeding 20' in heights?	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> No <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	<input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A
7. Are all portions of the required fire lanes within 500-feet of at least (2) hydrants? <i>Note: Distances shall be measured along the path of the hose lay as it comes off the fire apparatus.</i> a) Is the fire lane at least 26' wide for at least 20-feet on each side of the hydrants? b) Is there at least 40' between a hydrant and the building? c) Are the hydrant(s) setback no less than 5-feet nor more than 10-feet from the curb or edge of the street or fire lane? d) Are hydrants located in parking lot islands a minimum of 3½-feet from the hydrant to the curb? e) Are there no obstructions, including but not limited to: power poles, trees, bushes, fences, posts located, or grade changes exceeding 1½-feet, within 5-feet of a fire hydrant? <i>Note: Hydrants shall be installed and in-service prior to combustible construction on the project site.</i>	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	<input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/A <input type="checkbox"/> N/A

Attach an additional sheet if further explanation is required for any answers.

This worksheet is based on **MGO 34.503** and **IFC 2015 Edition Chapter 5 and Appendix D**; please see the codes for further information.



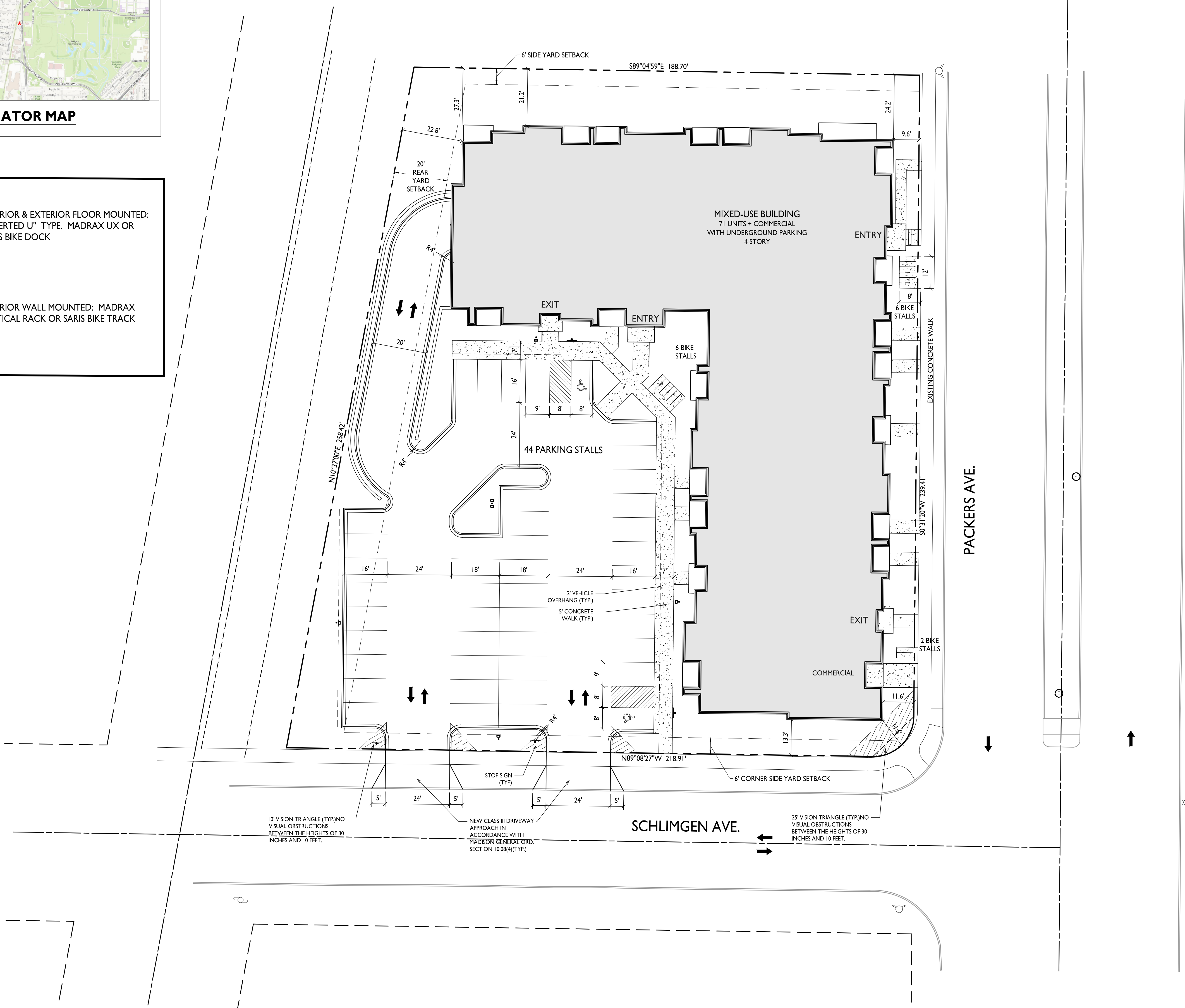


LOCATOR MAP

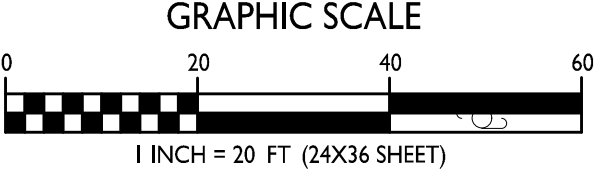
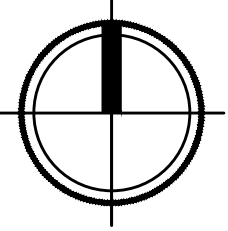
BIKE RACKS:

INTERIOR & EXTERIOR FLOOR MOUNTED:  
"INVERTED U" TYPE. MADRAX UX OR  
SARIS BIKE DOCK

INTERIOR WALL MOUNTED: MADRAX  
VERTICAL RACK OR SARIS BIKE TRACK



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



SHEET INDEX	
SITE	
C-1.1	SITE PLAN
C-1.2	SITE LIGHTING
C-1.3	FIRE ACCESS PLAN
C-1.4	LOT COVERAGE
C-1.5	USABLE OPEN SPACE
CIVIL	
C-2.0	EXISTING CONDITIONS PLAN
C-3.0	DEMOLITION PLAN
C-4.0	GRADING & EROSION CONTROL
C-5.0	UTILITY PLAN
LANDSCAPE	
L-1.1	OVERALL LANDSCAPE PLAN
ARCHITECTURAL	
A-1.0	BASEMENT FLOOR PLAN
A-1.1	FIRST FLOOR PLAN
A-1.2	SECOND FLOOR PLAN
A-1.3	THIRD FLOOR PLAN
A-1.4	FOURTH FLOOR PLAN
A-1.5	ROOF PLAN
A-2.1	ELEVATIONS
A-2.2	ELEVATIONS
A-2.3	ELEVATIONS-COLORED
A-2.4	ELEVATIONS-COLORED
A-2.5	RENDERED PERSPECTIVE
A-2.6	RENDERED PERSPECTIVE

SITE DEVELOPMENT DATA

ZONING: NMX - NEIGHBORHOOD MIXED-USE DISTRICT	
DENSITIES:	
LOT AREA	53,761 S.F./1.3 ACRES
DWELLING UNITS	71 UNITS
LOT AREA / D.U.	757 S.F./UNIT
DENSITY	54.6 UNITS/ACRE
USABLE OPEN SPACE	PROVIDED 16,310 S.F.
LOT COVERAGE	39,658 S.F. (74%)
	ZONING REQUIREMENTS 15,520 S.F. 40,320 S.F. (75% MAX.)
BUILDING HEIGHT	4 STORIES/49'-6" CONDITIONAL USE APPROVAL
RESIDENTIAL AREA	79,528 S.F.
COMMERCIAL AREA	1,048 S.F.
DWELLING UNIT MIX:	
ONE BEDROOM	45
TWO BEDROOM	17
THREE BEDROOM T.H.	9
TOTAL DWELLING UNITS	71
VEHICLE PARKING STALLS	
UNDERGROUND GARAGE	58
SURFACE	44
TOTAL	102
PARKING RATIO	1.44 STALLS/UNIT
BICYCLE PARKING:	
GARAGE LONG-TERM (2'X6' FLOOR MOUNT)	53
GARAGE LONG-TERM (1'-4" X 3'-6" STAGGERED WALL MOUNT)	18
TOTAL GARAGE LONG-TERM	71
SURFACE LONG-TERM	5
SURFACE GUEST	7
SURFACE COMMERCIAL	2
TOTAL	85 BIKE STALLS
	84 BIKE STALLS

GENERAL NOTES:

1. THE APPLICANT SHALL REPLACE ALL SIDEWALK AND CURB AND GUTTER THAT ABUTS THE PROPERTY THAT IS DAMAGED BY THE CONSTRUCTION, OR ANY SIDEWALK AND CURB AND GUTTER, WHICH THE CITY ENGINEER DETERMINES NEEDS TO BE REPLACED BECAUSE IT IS NOT AT A DESIRABLE GRADE, REGARDLESS OF WHETHER THE CONDITION EXISTED PRIOR TO BEGINNING CONSTRUCTION.
2. ALL WORK IN THE PUBLIC RIGHT OF WAY SHALL BE PERFORMED BY A CITY-LICENSED CONTRACTOR.
3. ALL DAMAGE TO THE PAVEMENT ON CITY STREETS, AND ADJACENT TO THIS DEVELOPMENT SHALL BE RESTORED IN ACCORDANCE WITH THE CITY OF MADISON'S PAVEMENT PATCHING CRITERIA.
4. EXISTING STREET TREES SHALL BE PROTECTED. CONTRACTOR SHALL INSTALL TREE PROTECTION FENCING IN THE AREA BETWEEN THE CURB AND SIDEWALK AND EXTEND IT AT LEAST 5 FEET FROM BOTH SIDES OF THE TREE ALONG THE LENGTH OF THE TERRACE. NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE OUTSIDE EDGE OF THE TREE TRUNK. IF EXCAVATION WITHIN 5 FEET OF ANY TREE IS NECESSARY, CONTRACTOR SHALL CONTACT CITY FORESTRY (266-4816) PRIOR TO EXCAVATION TO ACCESS THE IMPACT TO THE TREE AND ROOT SYSTEM. TREE PRUNING SHALL BE COORDINATED WITH CITY FORESTRY. TREE PROTECTION SPECIFICATIONS CAN BE FOUND IN SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
5. APPROVAL OF PLANS FOR THIS PROJECT DOES NOT INCLUDE ANY APPROVAL TO PRUNE, REMOVE, OR PLANT TREES IN THE PUBLIC RIGHT-OF-WAY. PERMISSION FOR SUCH ACTIVITIES MUST BE OBTAINED FROM THE CITY FORESTER (266-4816).
6. THE PUBLIC RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME. NO ITEMS SHOWN ON THIS SITE PLAN IN THE RIGHT-OF-WAY ARE PERMANENT AND MAY NEED TO BE REMOVED AT THE APPLICANTS EXPENSE UPON NOTIFICATION BY THE CITY.



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PROJECT TITLE  
Liberty Mortgage  
& Development  
Company

Packers Avenue &  
Schlimgen Avenue  
SHEET TITLE  
Site Plan

SHEET NUMBER

C-1.1

PROJECT NO. 1973  
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PROJECT TITLE  
Liberty Mortgage  
& Development  
Company

Packers Avenue &  
Schlimgen Avenue  
SHEET TITLE  
Site Lighting Plan

SHEET NUMBER

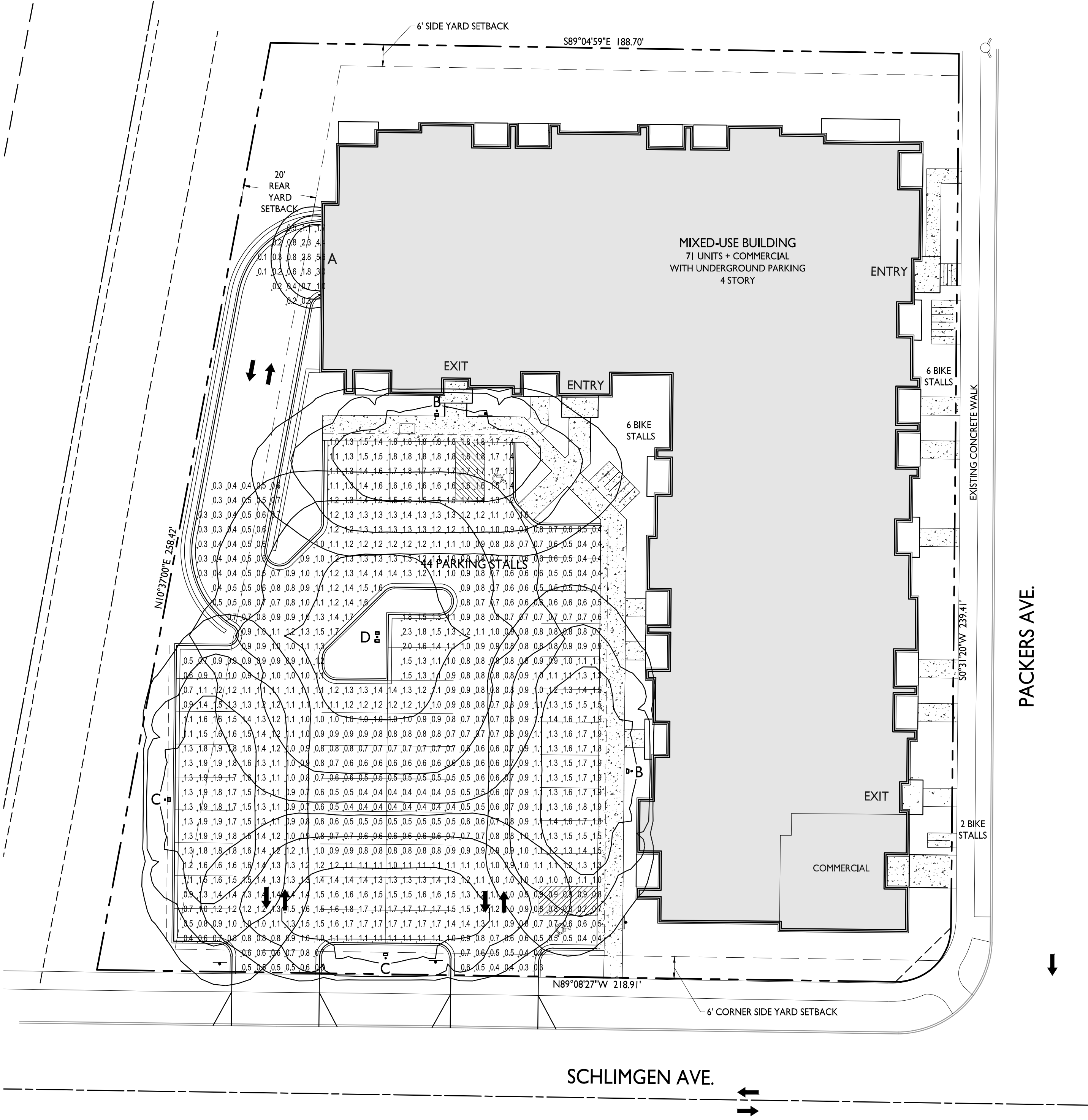
C-1.2

PROJECT NO. 1973

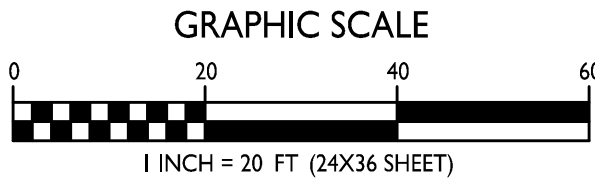
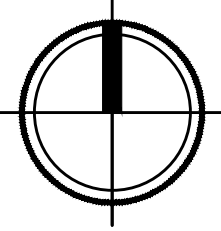
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STATISTICS						
DESCRIPTION	SYMBOL	AVG.	MAX.	MIN.	MAX. / MIN.	AVG. / MIN.
Parking Area Lighting	+	1.0 fc	2.3 fc	0.3 fc	7.7:1	3.3:1
Parking Garage Entry Lighting	+	1.3 fc	5.6 fc	0.1 fc	56.0:1	13.0:1

LUMINAIRE SCHEDULE						
SYMBOL	LABEL	QTY.	MANUF.	CATALOG	DESCRIPTION	FILE
	A	1	LITHONIA LIGHTING	LIL LED 30K MVOLT	LIL WALLPACK (STANDARD)	LIL_LED_30K_MVOLT.ies
	B	2	LITHONIA LIGHTING	DSX0 LED PI 30K BLC MVOLT	DSX0 LED PI 30K BLC MVOLT	DSX0_LED_PI_30K_BLC_MVOLT.ies
	C	2	LITHONIA LIGHTING	DSX0 LED PI 30K BLC MVOLT	DSX0 LED PI 30K BLC MVOLT	DSX0_LED_PI_30K_BLC_MVOLT.ies
	D	1	LITHONIA LIGHTING	DSX0 LED PI 30K T4M MVOLT HS	DSX0 LED PI 30K T4M MVOLT WITH HOUSE SIDE SHIELD	DSX0_LED_PI_30K_T4M_MVOLT_HS.ies
EXAMPLE LIGHT FIXTURE DISTRIBUTION						



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







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PROJECT TITLE  
Liberty Mortgage  
& Development  
Company

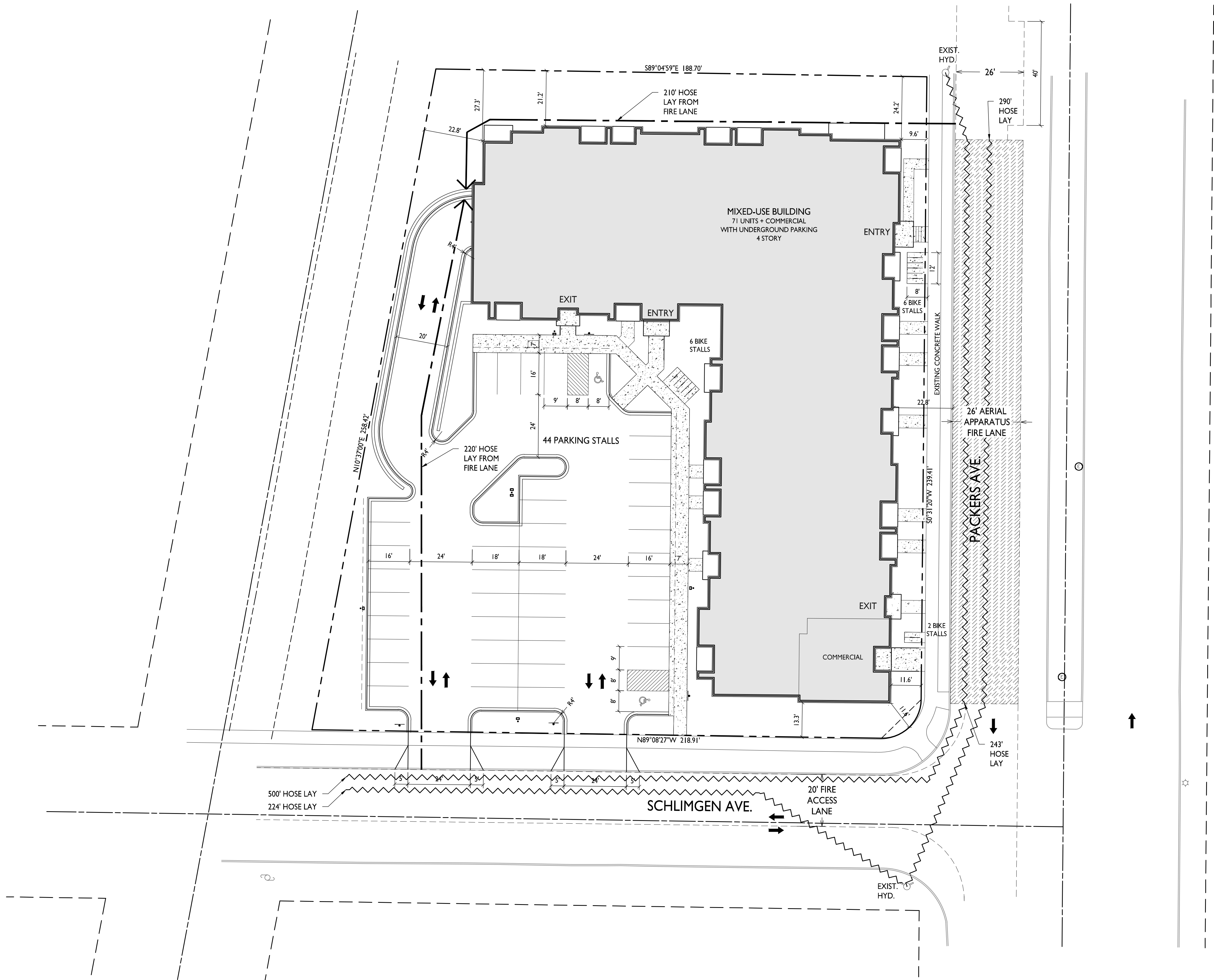
Packers Avenue &  
Schlimgen Avenue  
SHEET TITLE  
Fire Department  
Access Plan

SHEET NUMBER

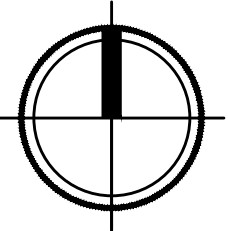
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PROJECT NO. 1973

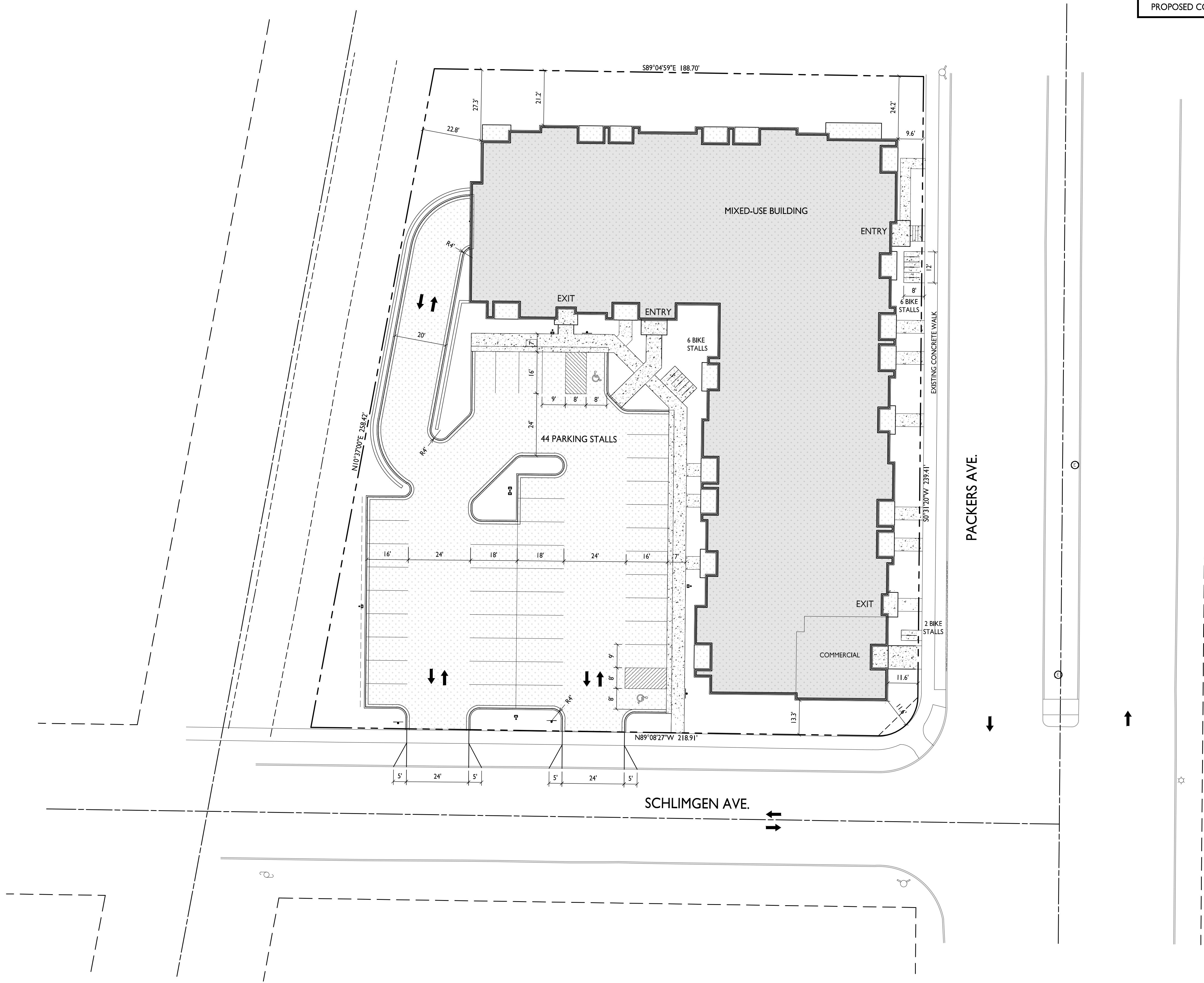
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I  
C-1.3  
FIRE DEPARTMENT ACCESS PLAN  
1" = 20'-0"



GRAPHIC SCALE  
0 20 40 60  
1 INCH = 20 FT. (24X36 SHEET)



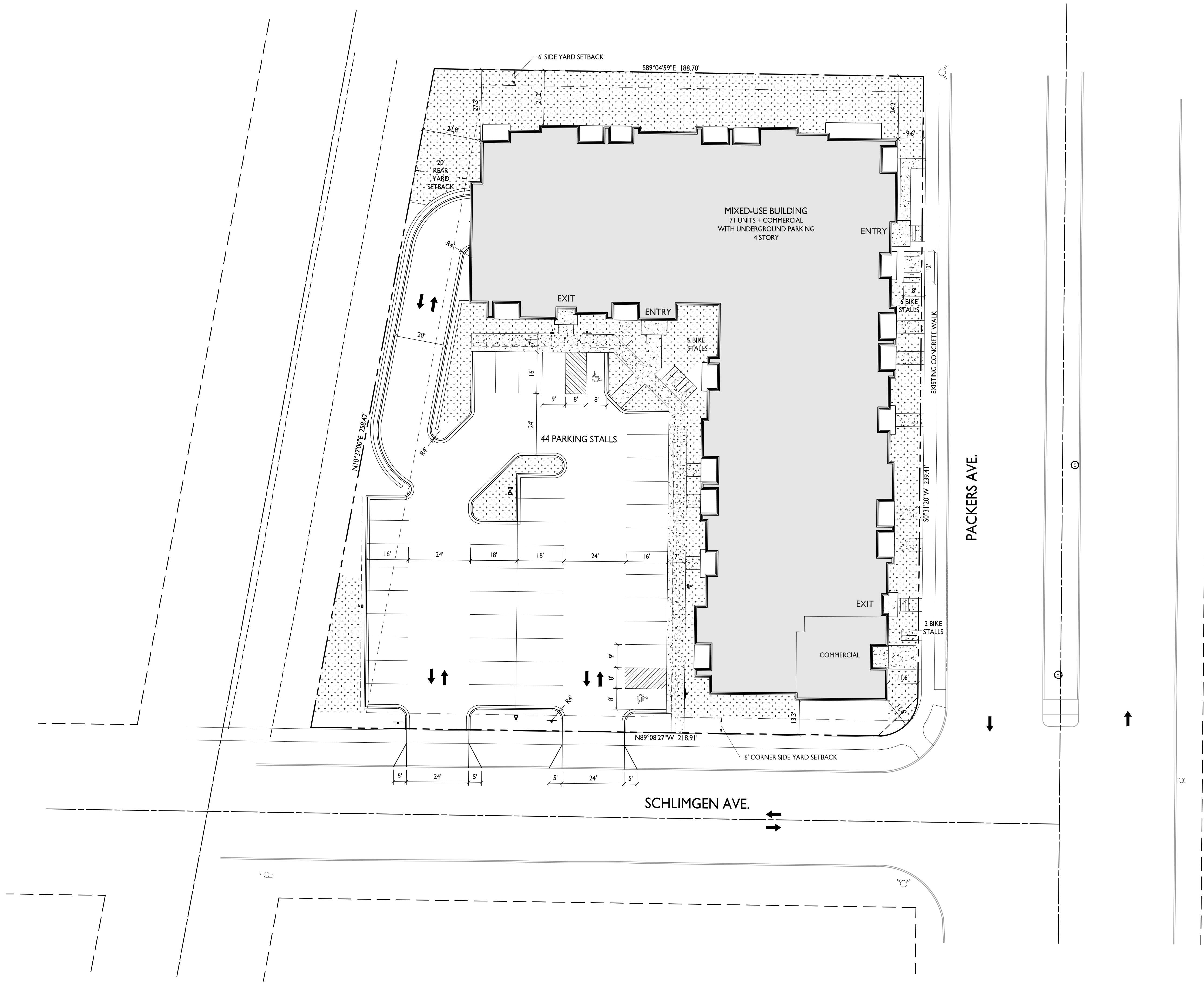
LOT COVERAGE	
ZONING:	NMX - NEIGHBORHOOD MIXED-USE DISTRICT
LOT AREA	53,761 S.F.
MAXIMUM ALLOWABLE LOT COVERAGE	40,320 S.F. (75%)
PROPOSED COVERAGE	39,658 S.F. (74%)

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PROJECT TITLE  
**Liberty Mortgage  
& Development  
Company**

Packers Avenue &  
Schlimgen Avenue  
SHEET TITLE  
**Lot Coverage**

SHEET NUMBER



USABLE OPEN SPACE		
ZONING: NMX - NEIGHBORHOOD MIXED-USE DISTRICT		
OPEN SPACE REQUIREMENTS:		
160 S.F./1 BDRM UNIT		
320 S.F./ >1 BDRM UNITS		
DWELLING UNITS		
ONE BEDROOM	45(160)	7,200 S.F.
>ONE BEDROOM	26(320)	8,320 S.F.
TOTAL REQUIRED		15,520 S.F.
OPEN SPACE PROVIDED		
BALCONIES, PATIOS, ROOF DECKS		5,238 S.F.
SURFACE		11,072 S.F.
TOTAL PROVIDED		16,310 S.F.

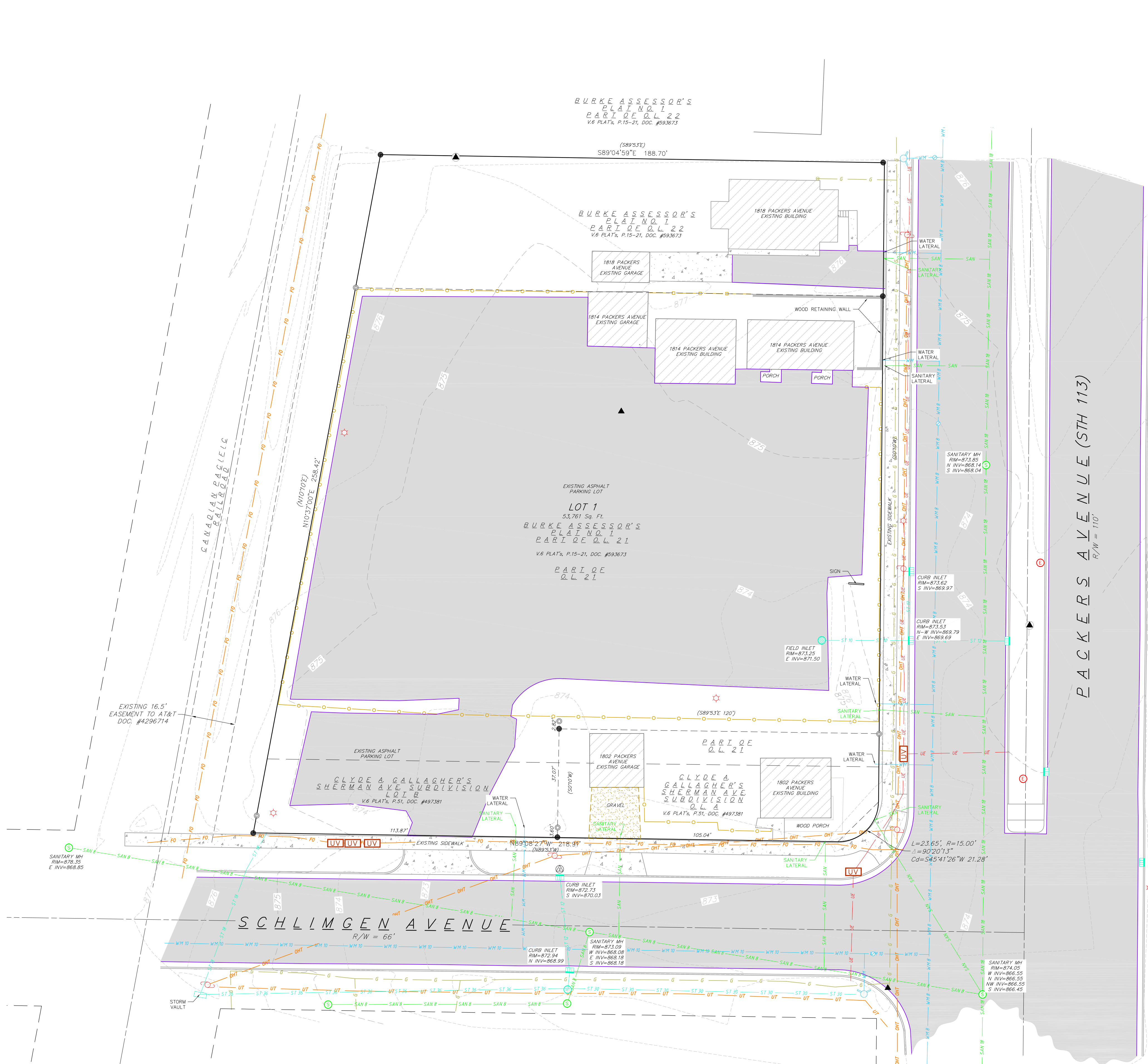
ISSUED  
Issued for Land Use & UDC - May 20, 2020

PROJECT TITLE  
Liberty Mortgage  
& Development  
Company

Packers Avenue &  
Schlimgen Avenue  
SHEET TITLE  
Usable Open  
Space

SHEET NUMBER





SURVEYED FOR:  
LIBERTY MORTGAGE &  
DEVELOPMENT COMPANY  
ATTN: ALF MCCONNELL  
2677 ORRINGTON AVENUE  
EVANSTON, IL 60201

SURVEYED BY:  
VIERBICHER ASSOCIATES, INC.  
BY: DAVID N. GULLICKSON  
999 FOURIER DRIVE, STE. 201  
MADISON, WI 53717  
(608)-821-3966  
dgul@vierbicher.com

PROJECT BENCHMARKS:  
BENCHMARK 1 - ELEV.=879.57;  
TOP NUT OF FIRE HYDRANT LOCATED AT  
1818 PACKERS AVENUE.  
BENCHMARK 2 - ELEV.=872.73;  
TOP OF INLET ON NORTH SIDE OF SCHLIMGEN  
AVENUE

SURVEY LEGEND  
● FOUND 3/4" Ø IRON ROD  
⊙ FOUND 1" Ø IRON PIPE

TOPOGRAPHIC HATCHING LEGEND  
CONCRETE SIDEWALK  
ASPHALT PAVEMENT

TOPOGRAPHIC SYMBOL LEGEND  
EXISTING CURB INLET  
EXISTING STORM MANHOLE  
EXISTING SANITARY MANHOLE  
EXISTING FIELD INLET  
EXISTING FIRE HYDRANT  
EXISTING WATER MAIN VALVE  
EXISTING WATER MAIN VALVE  
EXISTING GAS METER  
EXISTING ELECTRIC MANHOLE  
EXISTING UNIDENTIFIED UTILITY VAULT  
EXISTING UTILITY POLE  
EXISTING LIGHT POLE  
BENCHMARK (SEE BENCHMARK NOTES)

TOPOGRAPHIC LINEWORK LEGEND  
FO - EXISTING UNDERGROUND TELEPHONE LINE  
G - EXISTING GAS LINE  
UE - EXISTING UNDERGROUND ELECTRIC LINE  
OHT - EXISTING OVERHEAD TELEPHONE  
SAN - EXISTING SANITARY SEWER LINE  
SAN 8 - EXISTING 8" SANITARY SEWER LINE  
SAN 18 - EXISTING 18" SANITARY SEWER LINE  
ST - EXISTING STORM SEWER LINE  
ST 10 - EXISTING 10" STORM SEWER LINE  
ST 12 - EXISTING 12" STORM SEWER LINE  
ST 30 - EXISTING 30" STORM SEWER LINE  
ST 36 - EXISTING 36" STORM SEWER LINE  
WM - EXISTING D.I. WATER MAIN  
WM 8 - EXISTING 8" D.I. WATER MAIN  
WM 10 - EXISTING 10" D.I. WATER MAIN  
O - EXISTING CHAIN LINK FENCE  
O - EXISTING WOOD FENCE  
820 - EXISTING MAJOR CONTOUR  
818 - EXISTING MINOR CONTOUR  
- - - - - PROPERTY BOUNDARY

- NOTES:
- This survey was prepared based upon information provided in Commitment for Title Insurance, Order No. C-19214274, dated March 20, 2020 at 05:59 A.M. from Chicago Title Insurance Company, 901 S. Whitney Way Madison, WI 53711. (O.L. 21 & LOT B)
  - This survey was prepared based upon information provided in Commitment for Title Insurance, Commitment No. F-363378, dated April 3, 2020 at 12:00 A.M. from Fidelity National Title Company, LLC, 300 N. Corporate Dr., Suite 350 Brookfield, WI 53045. (O.L. A)
  - The parcel surveyed contains 1.23 Acres or 53,761 sq. ft. more or less.
  - This survey is based upon field survey work performed April 6 and April 9, 2020. Any changes in site conditions after April 9, 2020 are not reflected by this survey.
  - Benchmarks shall be verified prior to construction.
  - Elevations depicted on this survey are based upon NAVD88 Datum. (2012 Geoid)
  - Surveyor has made no investigation or independent search for easements of record, encumbrances, restrictive covenants, or ownership title evidence.
  - Utility locations were field located based upon substantial, visible, above ground structures, upon maps provided to the surveyor, or upon markings on the ground placed by utility companies and/or their agents. No warranty is given to the utility markings by others or that all underground utilities affecting this property were marked and subsequently located for this survey. A locate request was sent to Digger's Hotline per Digger's Hotline One-Call ticket numbers 20201408236, 20201408283, 20201408291, 20201408294, 20201408298, 20201408303, 20201408307, 20201411547, 20201411563. Location of buried private utilities are not within the scope of this survey.
  - This drawing is also based upon CADD information provided by others as we used the CADD file from Birrenkott Surveying, Inc., Job No. 190179, dated March 26, 2020.

DIGGERS HOTLINE  
Dial 811 or (800) 242-8511  
www.DiggersHotline.com

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



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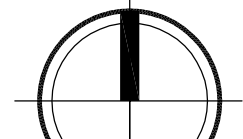
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Issued for Land Use Submittal - 05/20/2020

PROJECT TITLE  
Liberty  
Mortgage &  
Development  
Company

Packers Avenue &  
Schlimgen Avenue  
SHEET TITLE  
Existing  
Conditions

SHEET NUMBER

1  
C-1.0  
EXISTING CONDITIONS  
1" = 20'-0"



GRAPHIC SCALE FEET  
0 10 20 40

C-1.0





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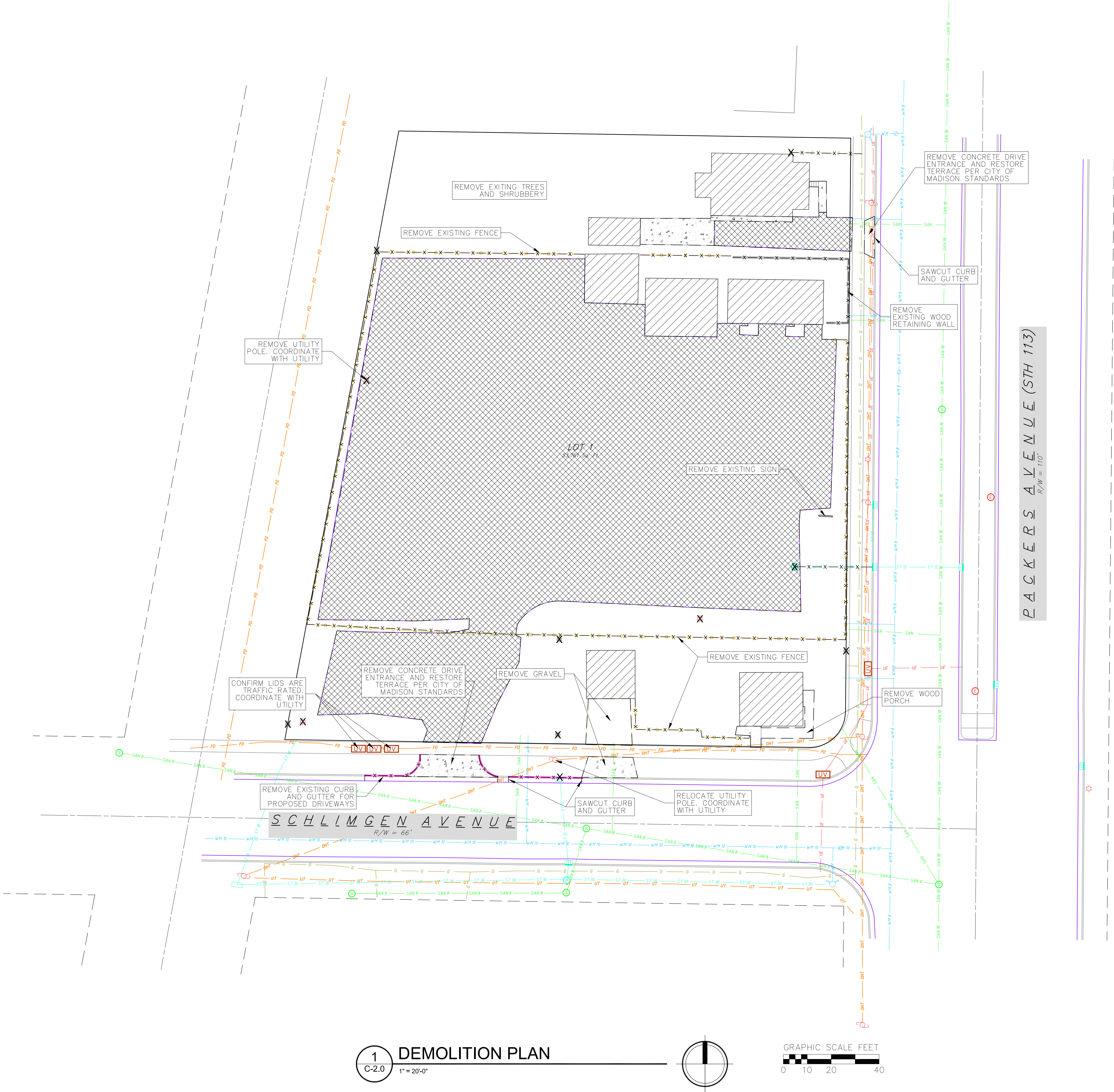
PROJECT TITLE  
**Liberty  
Mortgage &  
Development  
Company**

Packers Avenue &  
Schlimgen Avenue  
SHEET TITLE  
**Demolition Plan**

SHEET NUMBER

**C-2.0**

PROJECT NO. **1973**  
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PROJECT TITLE  
**Liberty  
Mortgage &  
Development  
Company**

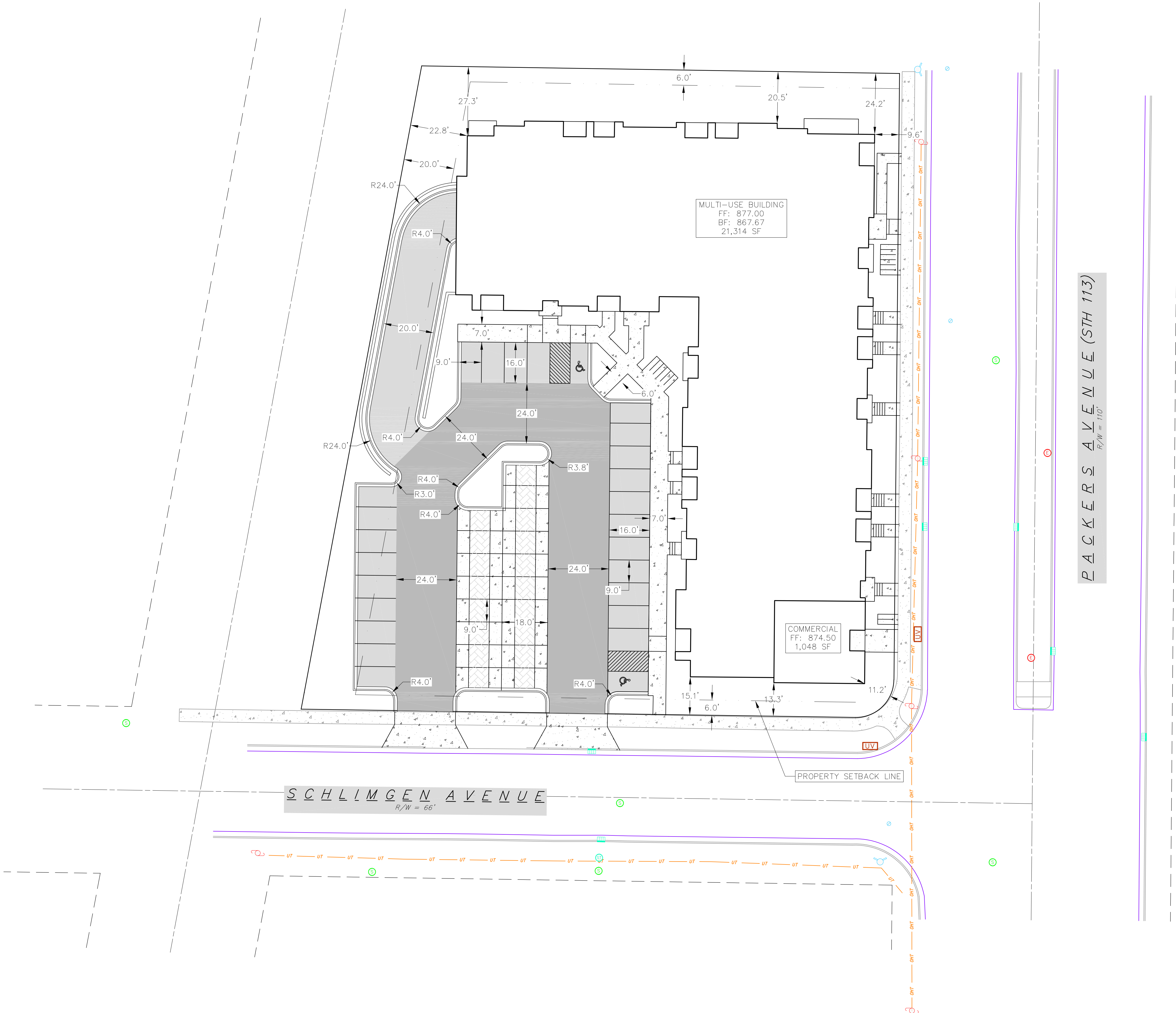
Packers Avenue &  
Schlimgen Avenue  
SHEET TITLE  
**Site Plan**

SHEET NUMBER

**C-3.0**

PROJECT NO. **1973**

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PROJECT TITLE  
**Liberty  
Mortgage &  
Development  
Company**

Packers Avenue &  
Schlimgen Avenue  
SHEET TITLE  
**Grading and  
Erosion Control  
Plan**

SHEET NUMBER

**C-4.0**

PROJECT NO. **1973**

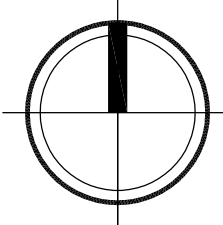
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- GRADING LEGEND
- 820 EXISTING MAJOR CONTOURS
  - 818 EXISTING MINOR CONTOURS
  - 820 PROPOSED MAJOR CONTOURS
  - 818 PROPOSED MINOR CONTOURS
  - SILT FENCE
  - DISTURBED LIMITS
  - DRAINAGE DIRECTION
  - PROPOSED SLOPE ARROWS
  - EXISTING SPOT ELEVATIONS
  - PROPOSED SPOT ELEVATIONS
  - INLET PROTECTION
  - TRACKING PAD

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



**1**  
C-4.0  
**GRADING AND EROSION CONTROL PLAN**  
1" = 20'-0"



GRAPHIC SCALE FEET  
0 10 20 40





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Project Name: Liberty Mortgage & Development Company  
Project Address: 1100 Packers Avenue, Middleton, WI 53562  
Project Description: Commercial Development

PROJECT TITLE  
Liberty Mortgage & Development Company

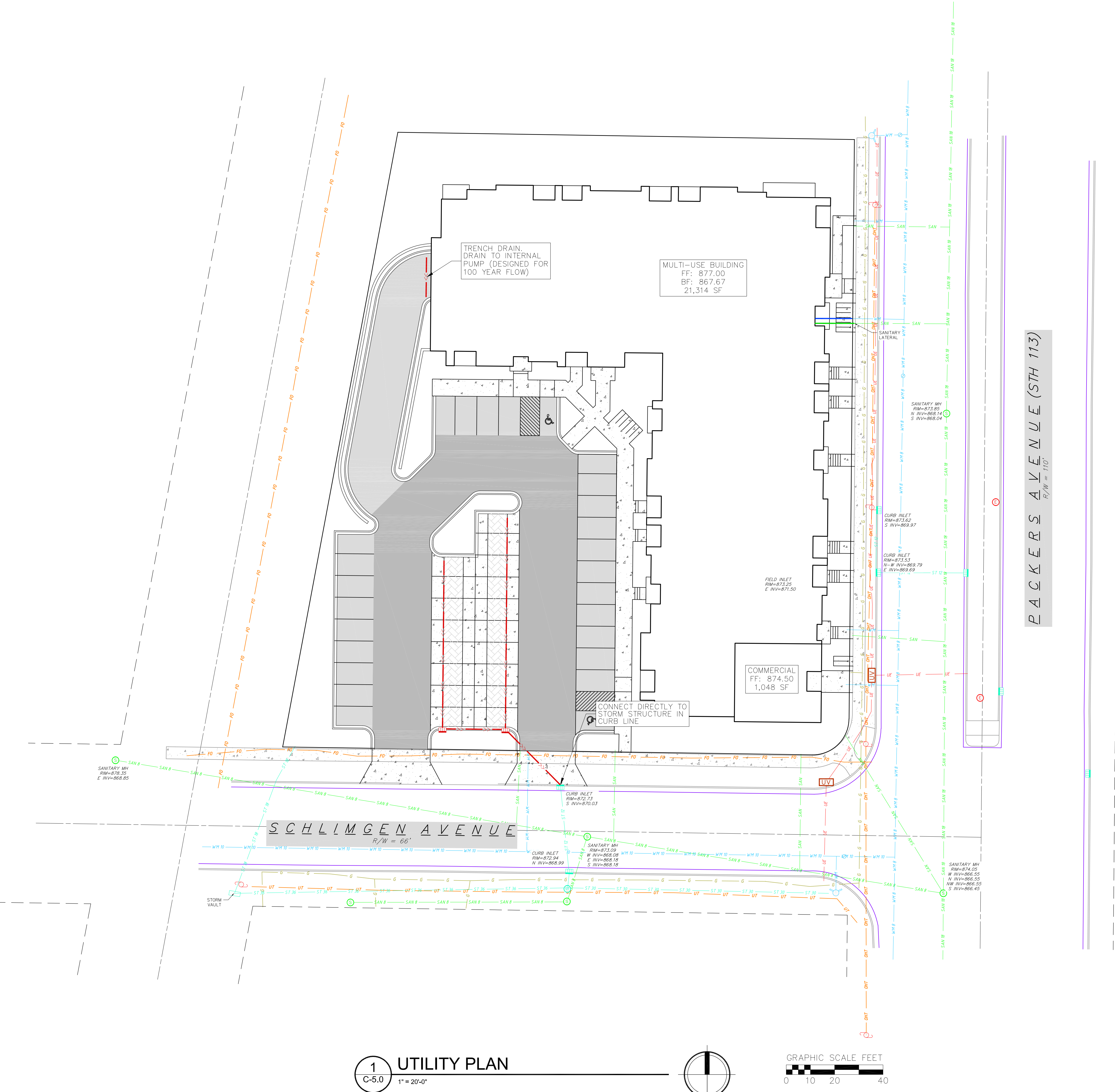
Packers Avenue & Schlimgen Avenue  
SHEET TITLE  
Utility Plan

SHEET NUMBER

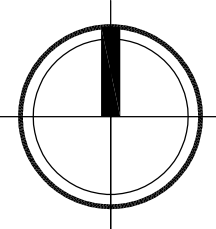
C-5.0

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- PROPOSED UTILITY LEGEND
- STORM SEWER PIPE
  - STORM SEWER MANHOLE
  - STORM SEWER CURB INLET
  - SANITARY SEWER LATERAL PIPE
  - WATER SERVICE LATERAL PIPE

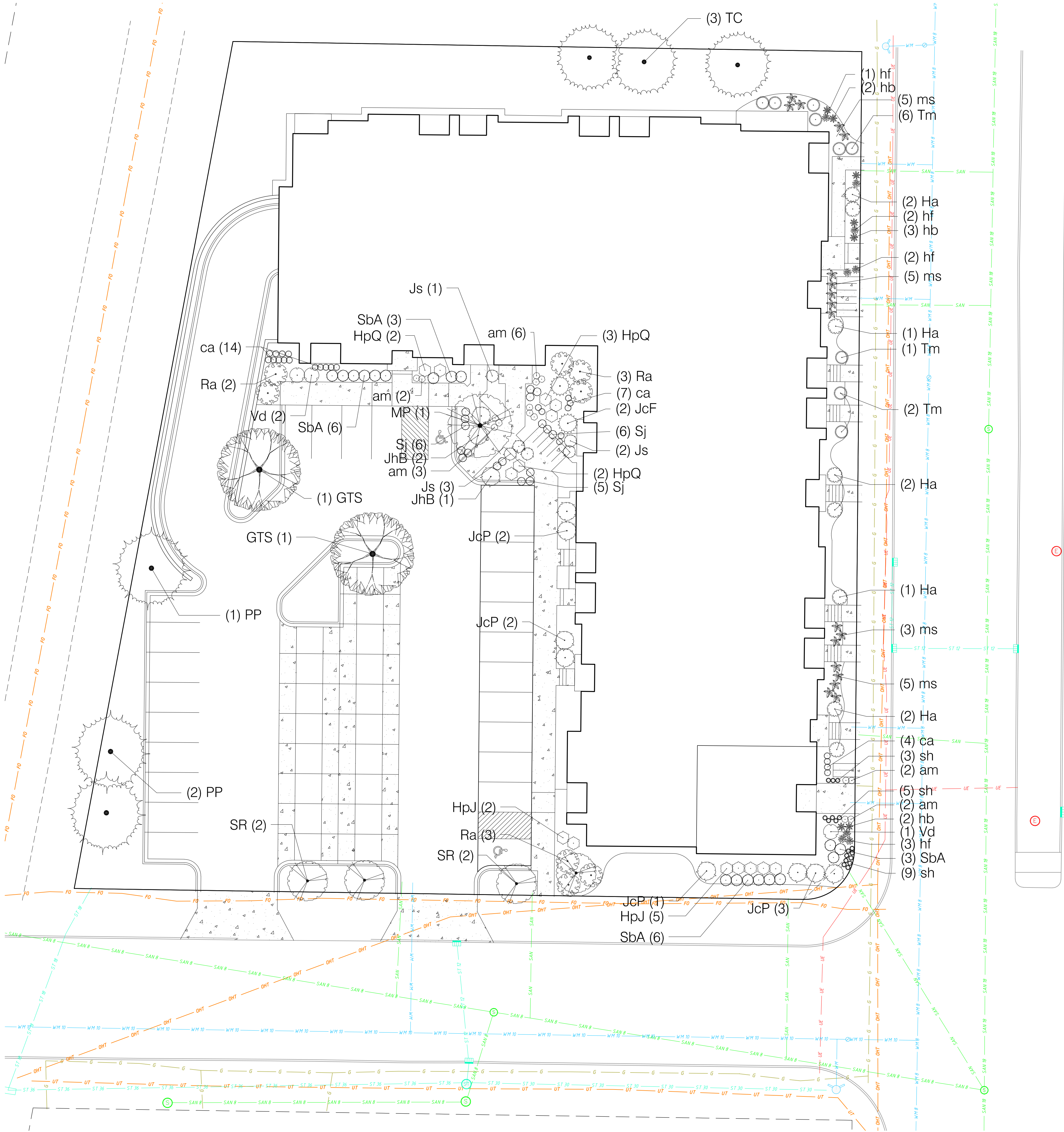


1  
C-5.0  
UTILITY PLAN  
1" = 20'-0"

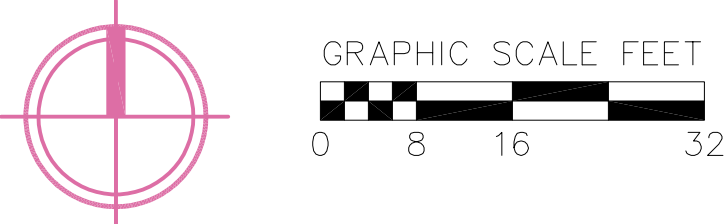


GRAPHIC SCALE FEET  
0 10 20 40





1 LANDSCAPE PLAN  
L-1.1  
1" = 16'-0"



PLANT SCHEDULE

DECIDUOUS TREES	BOTANICAL / COMMON NAME	ROOT COND.	SIZE	QTY
GTS	Gleditsia triacanthos Inermis 'Shademaster' TM / Shademaster Locust 50'-60' x 30'-35'	B & B	2.5" Cal	2
EVERGREEN TREES	BOTANICAL / COMMON NAME	ROOT COND.	SIZE	QTY
PP	Picea pungens / Colorado Spruce 40'-60' x 20'-30'	B & B	6' ht.	3
TC	Tsuga canadensis / Canadian Hemlock	B & B	6' ht.	3
UNDERSTORY TREES	BOTANICAL / COMMON NAME	ROOT COND.	SIZE	QTY
MP	Malus x 'Prairie Maid' / Prairie Maid Crabapple 20' x 25'	B & B	2" Cal	1
SR	Syringa reticulata 'Ivory Silk' / Ivory Silk Japanese Tree Lilac 25' h x 15' w	B & B	2" Cal	4
DECIDUOUS SHRUBS	BOTANICAL / COMMON NAME	ROOT COND.	SIZE	QTY
Ha	Hydrangea arborescens 'Incrediball' / Incrediball White Hydrangea 4' x 4-5'	Cont.	5 Gal.	8
HpJ	Hydrangea paniculata 'Jane' TM / Little Lime Hydrangea 3-5' x 3-5'	Cont.	5 Gal.	7
HpQ	Hydrangea paniculata 'Little Quick Fire' / Little Quick Fire Hydrangea 3-5' x 3-5'	Cont.	5 Gal.	7
Ra	Rhus aromatica 'Gro-Low' / Gro-Low Fragrant Sumac 2-3' h x 6-8' w	Cont.	3 Gal.	8
Sj	Spiraea japonica 'Magic Carpet' / Magic Carpet Spiraea 2' x 2-3'	Cont.	3 Gal.	17
SbA	Spiraea x bumalda 'Anthony Waterer' / Anthony Waterer Spiraea 2-3' x 3-4'	Cont.	3 Gal.	18
Vd	Viburnum dentatum 'Little Joe' / Little Joe Viburnum 4-5' x 4-5'	Cont.	5 Gal.	3
EVERGREEN SHRUBS	BOTANICAL / COMMON NAME	ROOT COND.	SIZE	QTY
JcF	Juniperus chinensis 'Fairview' / Fairview Juniper 15-20' x 6-7'	B & B	5' ht.	2
JhB	Juniperus horizontalis 'Blue Chip' / Blue Chip Juniper 8-10" x 6-8'	Cont.	5 Gal.	3
JcP	Juniperus horizontalis 'Plumosa Compacta' / Creeping Juniper 1' x 6'	Cont.	5 Gal.	8
Js	Juniperus sabinia 'Blue Forest' / Blue Forest Juniper 12" x 3-4'	Cont.	5 Gal.	6
Tm	Taxus media 'Everlow' / Everlow Yew 2-3' x 4-5'	Cont.	5 Gal.	9
PERENNIALS	BOTANICAL / COMMON NAME	ROOT COND.	SIZE	QTY
am	Amsonia x 'Blue Ice' / Blue Ice Bluestar 18" x 24"	Cont.	4 In	15
ca	Calamagrostis x acutiflora 'Karl Foerster' / Feather Reed Grass 3-5' h x 2' w	Cont.	1 Gal.	25
hb	Hosta x 'Blue Cadet' / Plantain Lily	Cont.	1 Gal.	7
hf	Hosta x 'Francee' / Plantain Lily	Cont.	1 Gal.	8
ms	Matteuccia struthiopteris / Ostrich Fern 2-4' x 2-4'	Cont.	1 Gal.	18
sh	Sporobolus heterolepis / Prairie Dropseed 24" x 18"	Cont.	1 Gal.	17

GENERAL NOTES:

1. All plantings shall conform to quality requirements as per ANSI Z60.1.
2. All plant material shall be true to the species, variety and size specified, nursery grown in accordance with good horticultural practices, and under climactic conditions similar to those of the project site.
3. Contact Landscape Architect, in writing, to request and plant material substitutions due to availability issues.
4. All disturbed areas, unless otherwise noted, to be seeded with Madison Parks Mix by LaCrosse Seed Company or equivalent, per manufacturer's specified application rates. 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.
5. 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.
6. 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 12" of topsoil in all planting areas and 6" of topsoil in areas to be seeded/sodded.
7. Landscape beds to be mulched with undyed shredded hardwood bark mulch to 3" depth min. and edged with commercial grade aluminum landscape edging, Permaloc CleanLine 3/8" x 4" or equal, color black anodized.

City of Madison Landscape Worksheet									
Address:	1814 Packers Ave	Date:	05.11.2020						
Total Square Footage of Developed Area:	(Site Area) 53760	-	(Building Footprint at Grade) 21314	=	32446	sf			
Total Landscape Points Required (<5 ac):	32,446	/ 300 = 108	x 5 = 541		541				
Landscape Points Required >5 ac:	0	/ 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	0	2	70			
Tall Evergreen Tree	5-6 feet tall	35	0	0	6	210			
Ornamental tree	1.5" cal	15	0	0	5	75			
Upright evergreen shrub	3-4 feet tall	10	0	0	2	20			
Shrub, deciduous	#3 gallon container size, Min. 12-24"	3	0	0	68	204			
Shrub, evergreen	#3 gallon container size, Min. 12-24"	4	0	0	26	104			
Ornamental grasses/perennials	#1 gallon container size, Min. 8-18"	2	0	0	75	150			
Ornamental/decorative fencing or wall	n/a	4 per 10 LF	0	0	0				
Existing significant specimen tree	Min. Size 2.5" cal. Trees must be within developed area and cannot comprise more than 30% of total required points.	14 per caliper inch. Max. points per tree: 200	0	0	0				
Landscape Furniture for public seating and/or transit connections	Furniture must be within developed area, publicly accessible, and cannot comprise more than 5% of total required points	5 points per "seat"	0	0	0				
Sub Totals			0	833					
			Total Points Provided:	833					

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

CONSULTANT

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ISSUED

PROJECT TITLE  
Liberty Mortgage & Development Company

Packers Avenue & Schlimgen Avenue  
SHEET TITLE  
Landscape Plan

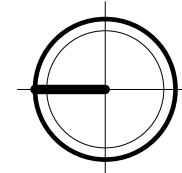
SHEET NUMBER

L-1.1  
PROJECT NO. 1973  
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1  
A-1.0  
BASEMENT FLOOR PLAN  
1/8" = 1'-0"



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KEY PLAN

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PROJECT TITLE  
LIBERTY  
MORTGAGE &  
DEVELOPMENT  
COMPANY

PACKERS AVENUE  
& SCHLIMGEN  
AVENUE

SHEET TITLE  
BASEMENT  
FLOOR PLAN

SHEET NUMBER

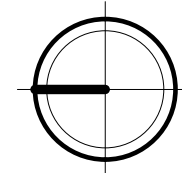
A-1.0

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1  
A-1.1  
FIRST FLOOR PLAN  
1/8" = 1'-0"



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DEVELOPMENT  
COMPANY**

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AVENUE

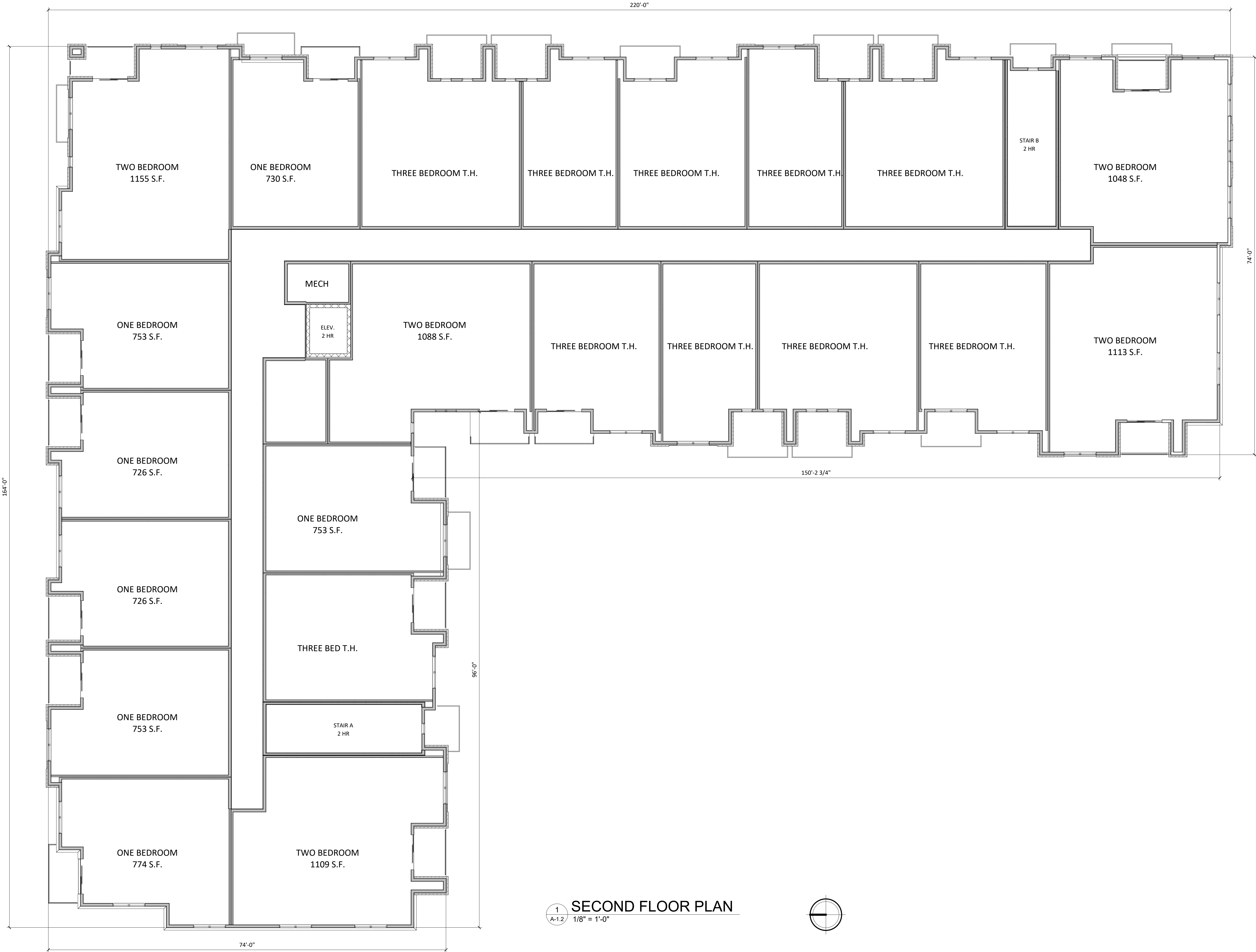
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**FIRST FLOOR  
PLAN**

SHEET NUMBER

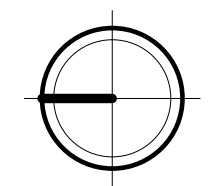
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1  
A-1.2  
SECOND FLOOR PLAN  
1/8" = 1'-0"



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AVENUE

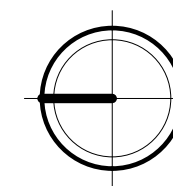
SHEET TITLE  
SECOND FLOOR  
PLAN

SHEET NUMBER

A-1.2  
PROJECT NUMBER 1973  
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1  
A-1.3  
THIRD FLOOR PLAN  
1/8" = 1'-0"



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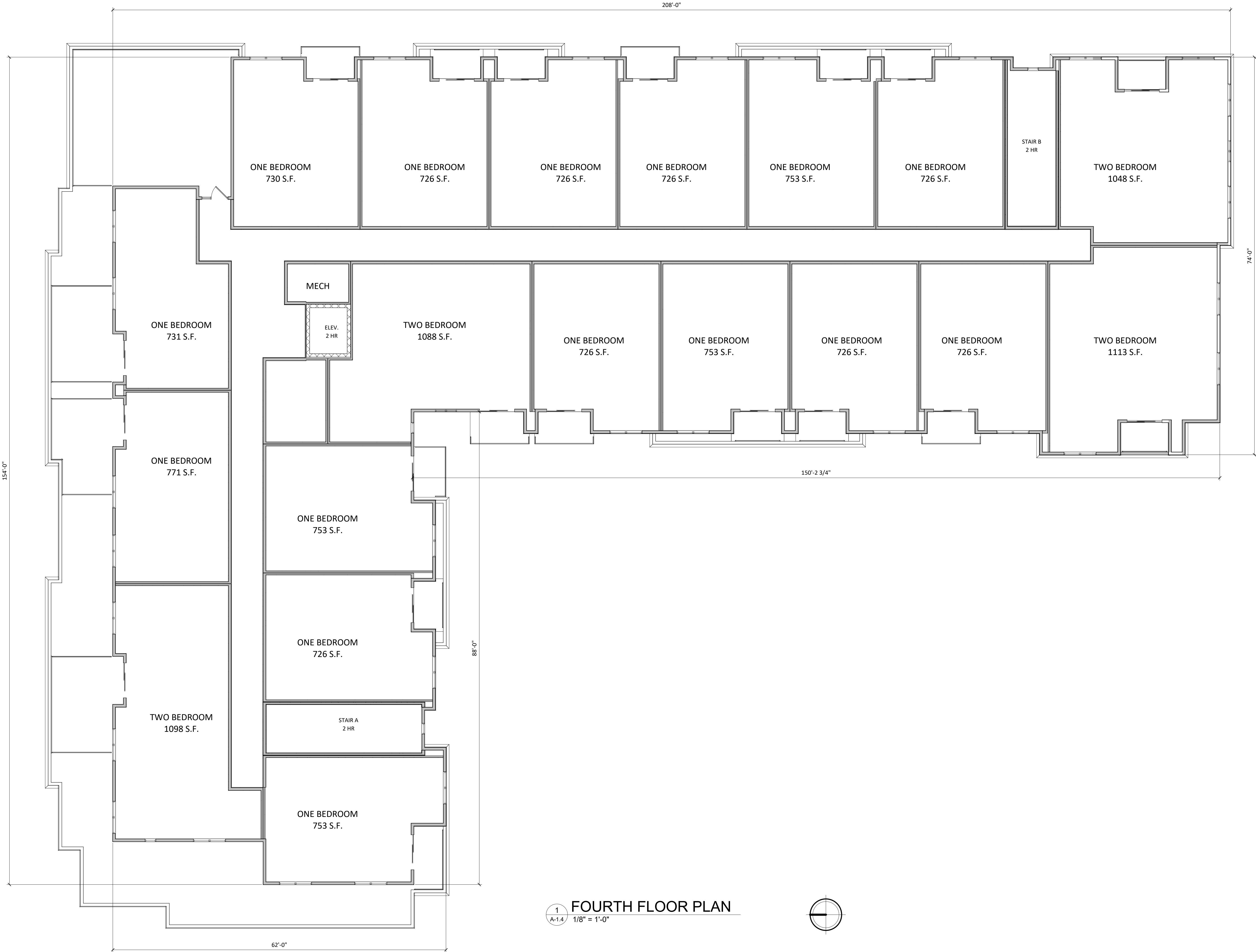
PACKERS AVENUE  
& SCHLIMGEN  
AVENUE

SHEET TITLE  
THIRD FLOOR  
PLAN

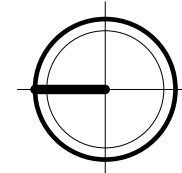
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A-1.3

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



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DEVELOPMENT  
COMPANY

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AVENUE

SHEET TITLE  
FOURTH FLOOR  
PLAN

SHEET NUMBER

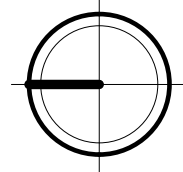
A-1.4

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1  
A-1.5  
ROOF PLAN  
1/8" = 1'-0"



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AVENUE

SHEET TITLE  
**ROOF PLAN**

SHEET NUMBER

**A-1.5**

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



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

EXTERIOR MATERIAL SCHEDULE		
BUILDING ELEMENT	MANUFACTURER	COLOR
4" COMPOSITE LAP SIDING - (#1)	JAMES HARDIE	NAVAJO BEIGE
6" COMPOSITE LAP SIDING - (#2)	JAMES HARDIE	AGED PEWTER
COMPOSITE TRIM	JAMES HARDIE	NAVAJO BEIGE
BRICK VENEER	ACME BRICK	GARNET - VELOUR TEXTURE
COMPOSITE WINDOWS	ANDERSON	TAN
ALUM. STOREFRONT	N/A	BLACK
METAL DOORS/FRAMES	N/A	NAVAJO BIEGE
STONE SILLS & BANDS	EDWARDS	COLOR TO MATCH COMPOSITE TRIM
SOFFITS & FASCIA	N/A	NAVAJO BEIGE
RAILINGS	SUPERIOR	BLACK



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



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

EXTERIOR MATERIAL SCHEDULE		
BUILDING ELEMENT	MANUFACTURER	COLOR
4" COMPOSITE LAP SIDING - (#1)	JAMES HARDIE	NAVAJO BEIGE
6" COMPOSITE LAP SIDING - (#2)	JAMES HARDIE	AGED PEWTER
COMPOSITE TRIM	JAMES HARDIE	NAVAJO BEIGE
BRICK VENEER	ACME BRICK	GARNET - VELOUR TEXTURE
COMPOSITE WINDOWS	ANDERSON	TAN
ALUM. STOREFRONT	N/A	BLACK
METAL DOORS/FRAMES	N/A	NAVAJO BIEGE
STONE SILLS & BANDS	EDWARDS	COLOR TO MATCH COMPOSITE TRIM
SOFFITS & FASCIA	N/A	NAVAJO BEIGE
RAILINGS	SUPERIOR	BLACK

KEY PLAN

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PROJECT TITLE  
**LIBERTY  
MORTGAGE &  
DEVELOPMENT  
COMPANY**

PACKERS AVENUE  
& SCHLIMGEN  
AVENUE

SHEET TITLE  
**EXTERIOR  
ELEVATIONS**

SHEET NUMBER

**A-2.2**  
PROJECT NUMBER **1973**  
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KEY PLAN

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



2 SOUTH ELEVATION COLOR  
1/8" = 1'-0"

EXTERIOR MATERIAL SCHEDULE		
BUILDING ELEMENT	MANUFACTURER	COLOR
4" COMPOSITE LAP SIDING - (#1)	JAMES HARDIE	NAVAJO BEIGE
6" COMPOSITE LAP SIDING - (#2)	JAMES HARDIE	AGED PEWTER
COMPOSITE TRIM	JAMES HARDIE	NAVAJO BEIGE
BRICK VENEER	ACME BRICK	GARNET - VELOUR TEXTURE
COMPOSITE WINDOWS	ANDERSON	TAN
ALUM. STOREFRONT	N/A	BLACK
METAL DOORS/FRAMES	N/A	NAVAJO BIEGE
STONE SILLS & BANDS	EDWARDS	COLOR TO MATCH COMPOSITE TRIM
SOFFITS & FASCIA	N/A	NAVAJO BEIGE
RAILINGS	SUPERIOR	BLACK

PROJECT TITLE  
**LIBERTY  
MORTGAGE &  
DEVELOPMENT  
COMPANY**

PACKERS AVENUE  
& SCHLIMGEN  
AVENUE

SHEET TITLE  
**EXTERIOR  
ELEVATIONS  
COLOR**

SHEET NUMBER

**A-2.3**

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1  
A-2.4  
WEST ELEVATION COLOR  
1/8" = 1'-0"



2  
A-2.4  
NORTH ELEVATION COLOR  
1/8" = 1'-0"

EXTERIOR MATERIAL SCHEDULE		
BUILDING ELEMENT	MANUFACTURER	COLOR
4" COMPOSITE LAP SIDING - (#1)	JAMES HARDIE	NAVAJO BEIGE
6" COMPOSITE LAP SIDING - (#2)	JAMES HARDIE	AGED PEWTER
COMPOSITE TRIM	JAMES HARDIE	NAVAJO BEIGE
BRICK VENEER	ACME BRICK	GARNET - VELOUR TEXTURE
COMPOSITE WINDOWS	ANDERSON	TAN
ALUM. STOREFRONT	N/A	BLACK
METAL DOORS/FRAMES	N/A	NAVAJO BIEGE
STONE SILLS & BANDS	EDWARDS	COLOR TO MATCH COMPOSITE TRIM
SOFFITS & FASCIA	N/A	NAVAJO BEIGE
RAILINGS	SUPERIOR	BLACK





LIBERTY MORTGAGE &  
DEVELOPMENT COMPANY  
PACKERS AVENUE & SCHLIMGEN AVENUE  
EXTERIOR RENDERED PERSPECTIVE







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DEVELOPMENT COMPANY  
PACKERS AVENUE & SCHLIMGEN AVENUE  
EXTERIOR RENDERED PERSPECTIVE







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DEVELOPMENT COMPANY  
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EXTERIOR RENDERED PERSPECTIVE

