

Summary of Exhibits

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Application Item 3 – Responses to Plan Development Standards

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Application Item 1 – Narrative + Application Form

September 15, 2022

Oak Park Commons Co-Housing Development

Narrative

Oak Park Commons Co-Housing, LLC seeks to build a five story, 24-unit condominium building on the south east corner of Madison Street and Carpenter Avenue in Oak Park at the address 839 Madison Street Oak Park, IL.

The building features 920 square feet of ground floor commercial space, 26 parking spaces, one loading space and an elevator. A unique feature of this building is an amenities room on the top floor for common activities.

The proposed development is compliant with all of Oak Park's zoning ordinances except for building height. The maximum allowed building height in this zone district is 50 feet and the proposed building height is 58 feet and 3 inches. Therefore, the developer and applicant are seeking relief for 8 feet and 3 inches in building height.

This application will demonstrate that the proposed development will be a worthy addition to the Madison corridor with its code compliant use, density, setbacks and bulk, and have very minor impacts on the residential neighbors to the south.



OAK PARK COMMONS
INTERGENERATIONAL COHOUSING COMMUNITY

PUBLIC COMPENSATING BENEFITS

OAK PARK COMMONS - 839 Madison

As part of the development the applicant will replace the public sidewalk in the west and the northside bordering the development property. The applicant will resurface the alley bordering the property at the southside. The applicant will provide 3' easement at the northside sidewalk. The applicant will provide public art on the Madison and Carpenter facades. The applicant will also provide commercial/retail space.

NOTICE OF NEIGHBORHOOD MEETING

Date: September 21, 2022

Time: 7:00 pm to 8:00 pm

Location: Community Engagement Room – Main Library
Oak Park Public Library
834 Lake Street, Oak Park, IL 60301

Subject Property Address(es): 839 Madison Street, Oak Park, IL 60302

Proposed Development: Development and construction of a mixed-use 1 commercial + 24-unit condominium building with ground floor parking spaces.

Purpose of Meeting: Pre-Planned Development Submittal Discussion

Contact: Oak Park Commons

Email: info@oakparkcohousing.org

Local Residence Meeting
 For the Planned Development at 839 Madison Street
 Oak Park Main Library - September 21, 2022

Attendance

Name	Address	Phone Number	Email Address
Susan Stail		708-844-2817	stailsusan@gmail.com
ALLEN MATTHEW OAK PARK	546 N WILMORNEY OAK PARK	708.846.8474	ALLENM1093@comcast.com
SARJEV VIDYANTHI	1121 S OAK PARK AVE	-	-
Dave Hill	521 S. Grove O.P.	708-205-7105	dhill@gmail.com
Linda Hill	521 S. Grove O.P.	708 567 7110	Linda.Hill@gmail.com
PADMA ARSEY SINGH	515 CARPENTER AVE O.P.	708-745-2986	padma.aseokasis@gmail.com
Tom Fleming	521 CARPENTER AVE	708-870-7155	T.Fleming@comcast.net
Don Burk	746 Highland	708 222-7084	
Luth Burken	524 S Grove Ave	708-846-5701	giorang@yahoo.com
Dick Barker	5285 GROVES AVE	784.644.343-	Dick.Barker@gmail.com
Shannon Penoff	535 Carpenter Ave	815-501-9580	Carr-Shannon@hotmail.com
Steve Kim	400 KENNETH		

Notes from the September 21, 2022 public CoHousing meeting at the Oak Park Public Library

The public meeting to explain the Oak Park Commons CoHousing project and answer community questions ran from 7 PM to 8:30 PM. It appeared to me that about 15 community members were in attendance, representing households including those living on both Carpenter and Grove streets. Families with children were represented as well as different age and ethnic groups.

Foster Dale was present to represent Foster Dale Architects and show a Power Point presentation. The CoHousing group was represented by Susan Stall, Sanjeev Vidyarathi, Allen Matthews and Don Burk. It was mentioned that Charles Hoch who had planned on attending was ill.

After introductions, Susan Stall began the meeting by asking if anyone was familiar with the intergenerational CoHousing concept. Several individuals mentioned they knew about the idea and had read articles on our project or seen our web site. After Susan summarized the concept and discussed some of the specifics of the project, Foster Dale presented a Power Point presentation showing exterior views of the building, some statistics related to the project, views of the floor layouts, site plan, time line and discussed the variance that was being requested.

It was explained that the Plan Commission zoom hearing scheduled for Oct 6 was open to the public and that signs were posted at the 839 W Madison location explaining the process.

Questions and comments were encouraged throughout the evening.

Many questions concerned parking issues and alley access. We explained how parking was planned on the first floor for the building's residents and guests. Our understanding from the traffic study was that the volume of new traffic related to our building would not have much impact on Carpenter or Madison Ave. No special parking spots have been added for the commercial space, but as with other local businesses, street parking was available.

One resident spoke of an existing issue with cars turning south off Madison to avoid congestion and then speeding down Carpenter Street. It was also mentioned that cars violating existing parking regulations were not ticketed enough. We explained that as future members of the neighborhood, we could help with communicating neighbor concerns related to existing or any new issues that needed to be addressed by the Village.

It was mentioned that two residents rent parking spaces in the garages that are just south of our property. Concerns were expressed that we might block the alley or interfere with their access. Community residents were pleased to learn that our building

would have a 10-foot setback from the south lot line adjacent to the alley. This would in effect increase the width of the alley and make garage access easier for residents and CoHousing members. Residents also complained that the Village did not plow that alley. We suggested that we could certainly share in that work.

Someone asked about the height of the building and the open deck area. It was explained that this was the variance requested with zoning.

We discussed how trash would be removed from the building. We discussed the required commercial space. We explained how an Intergeneration CoHousing condo project differs from a traditional condo building. We would be much more involved with each other's lives within the building, as well as more integrated into the neighborhood.

We explained how we planned a deck with trees, some gardening beds and a social area. The common 5th floor interior areas of the building were explained and how that could potentially be a benefit to the neighborhood as we could host a seasonal party or event that included neighbor residents.

One resident asked who they could contact if there were issues. We explained that with a condo board, there would always be an identified person one could contact.

We explained the history of why the 839 W Madison lot had been selected for the project and how we liked the surrounding neighborhood.

We explained our understandings from the traffic study and the soil quality analysis from the core sampling work.

Allen brought refreshments to the meeting and took pictures.

No one expressed opposition to the project, but were curious, questioning, respectful and interested in what we presented and discussed.

Submitted 9/24/22 by Don Burk,

746 S Highland Ave

Equity Investor in Oak Park Commons CoHousing LLC

35-year Oak Park resident and retiree from Northern Trust Bank



Petition for Public Hearing PLANNED DEVELOPMENTS

YOU MUST PROVIDE THE FOLLOWING INFORMATION: IF ADDITIONAL SPACE IS NEEDED, ATTACH EXTRA PAGES TO THE PETITION.

Name of Development: OAK PARK COMMONS

Address/Location of Development: 839 MADISON STREET, OAK PARK, IL 60302

Please confirm address. Address form can be found at: <https://www.oak-park.us/sites/default/files/forms/address-assignment-request-form.pdf>

Property Identification Number(s)(PIN): 16-18-107-001-0000 ; 16-18-107-002-0000

Name of Property Owner(s): Oak Park Commons Cohousing LLC

Address of Property Owner(s): 106 S Oak Park Avenue, Ste 205, Oak Park, IL 60302

If Land Trust, name(s) of all beneficial owners: (A Certificate of Trust must be filed.) _____

N/A

Name of Applicant(s): Charles Hoch / Oak Park Commons Cohousing LLC

Applicant's Address: 106 S Oak Park Ave. Ste 205, Oak Park IL 60302

Applicant's Phone Number: 708-721-8817 E-Mail hochchas@gmail.com

Other: _____

Project Contact: (if Different than Applicant) Jonathan Shack

Contact's Address: 106 S Oak Park Ave. Ste 205, Oak Park, IL 60302

Contact's Phone Number: 708-341-5004 E-Mail jshack@altirrabuilders.com

Other: 708-393-4189 (office)

Property Interest of Applicant: Owner Legal Representative Contract Purchaser Other

(Describe): _____

Existing Zoning: MS -Madison Describe Proposal: _____

Build a 5-storey 24-unit condominium building with commercial space.

Proposed Planned Development Type:

Residential PD

Non-Residential PD

Mixed Use PD

Size of Parcel (from Plat of Survey): 11,527.50 Square Feet

Adjacent:	Zoning Districts	Land Uses
To the North:	<u>MS- Madison</u>	<u>Mixed Use</u>
To the South:	<u>R-3-35 S</u>	<u>Single Family</u>
To the East:	<u>MS- Madison</u>	<u>Commercial</u>
To the West:	<u>MS-Madison</u>	<u>Commercial</u>

How the property in question is currently improved?

Residential Non-Residential Mixed Use OTHER: Parking lot

Describe Improvement: Paved parking lot

Is the property in question currently in violation of the Zoning Ordinance? ____ Yes x No

If Yes, how? _____

Is the property in question presently subject to a Special Use or Planned Development? ____ Yes x No

If Yes, how? _____

If Yes, please provide relevant Ordinance No.'s _____

Is the subject property located within any Historic District? ____ Yes x No

If Yes: Frank Lloyd Wright Ridgeland/Oak Park Gunderson

From what Section(s) of the Zoning Ordinance are you requesting approval / relief?

Section 5.3 Dimensional standards

Explain why, in your opinion, the grant of this request will be in harmony with the neighborhood and not contrary to the intent and purpose of the Zoning Ordinance or Comprehensive Plan;

Please see Response to Items #2, #3 and #4 on the Response to Plan Development Standards as part of this Application

I (we) certify that all the above statements and the statements contained in any papers or plans submitted herewith are true to the best of my (our) knowledge and belief.

I (we) consent to the entry in or upon the premises described in this application by any authorized official of the Village of Oak Park for the purpose of securing information, posting, maintaining and removing such notices as may be required by law.

Charles Hoch
(Printed Name) Applicant

Charles Hoch
(Signature) Applicant

8/11/2022
Date

Oak Park Commons Cohousing LLC
(Printed Name) Owner
represented by Charles Hoch, Manager

Charles Hoch
(Signature) Owner

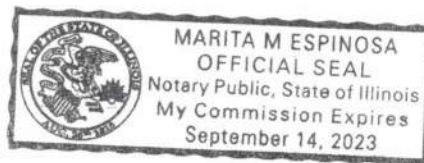
8/11/2022
Date

Owner's Signature must be notarized

SUBSCRIBED AND SWORN TO BEFORE ME THIS

11th DAY OF August, 2022

Marita M. Espinosa
(Notary Public)



839 Madison Street Property Tax

PIN 16-18-107-001-0000 \$5,641.44 (2020 Tax year)

PIN 16-18-107-002-0000 \$27,148.40 (2020 Tax year)

Projected Tax for all units:

$\$11,454,350.00 \times 3.15\% = \$360,812.00$



Oak Park Commons
 Madison Street, Oak Park IL

Zoning Analysis

September 16, 2022

Project Description: The proposed project will be a 5-story mixed-use development. The first floor will have one commercial retail space, a residential entrance lobby, utility rooms, and a naturally ventilated parking garage. Floors 2-5 will have residential units, utility rooms, and common amenity spaces serving the residential units.

Lot Size: 159.0’x72.45’ (11,519.5 square feet)

General Plan: Downtown
 Zoning District: MS Madison Street

	<u>Ordinance Requirement</u>	<u>Proposed</u>
Use:	Parking/Commercial at ground floor & Residential Multifamily above	Permitted uses
Height Allowed:	50 feet	58’-3” *
Setbacks:	3’ Front Yard 0’ Side Yard 9’ Rear Yard (25’ - 16’ (alley) = 9’-0”)	3’ Front Yard 0’-2” Side Yard 10’-4” Rear Yard
Parking:	24 (1 space per unit)	27
Bicycle Parking:	7 Total (6 long term – 1 per 4 dwelling units with 80% long term)	8 Total (6 Long Term)
Off Street Loading:	1 (10’x25’ with 14’ overhead clearance)	1 (10’x25’ with 14’ overhead clearance)
Exterior Lighting:	1 footcandle at any lot line	2.9 fc along Madison Street** 2.7 fc along Carpenter Avenue** 1.4 fc along Alley**

* Requires Zoning Relief as part of Planned Development process – see PD3.1

** Lighting is for security purposes and does not require Zoning Relief.

Benefits and improvements to Village include public art installations along Madison Street and Carpenter Avenue, repaving of the public alley behind the site, and one additional temporary bicycle space (above minimum requirements) along Madison Street.

Application Item 3 – Responses to Plan Development Standards

September 15, 2022

Oak Park Commons Co-Housing Development

Response to Development Standards

1. Create a more desirable environment than may be possible through strict application of other Village land use regulations with the use of creative design, landscape, and/or architectural features.

The current zoning allows for mixed used developments. And the applicant has complied. However, to meet the needs of the development group and Oak Park Commons Housing Group, the additional height is requested. Nevertheless, the Applicant believes that the Application as submitted does in fact create a more desirable environment than may be possible through strict application of other Village land use regulations with the use of creative design, landscape, and/or architectural features.

2. Enhance the existing character and property values of the Village and promotion of the general welfare by ingenious and imaginative designs resulting in a better and more creative use of land.

The Application proposes a design that architecturally Enhance the existing character of the neighborhood through its setting, landscape design, attention to pedestrian pathways and usage of walkways and promotes the general welfare by ingenious and imaginative designs resulting in a better and more creative use of land by crafting a design as represented in the submitted drawings and plans.

3. Coordinate the character, the form, and the relationship of structures to one another.

Madison Street is a changing corridor in Oak Park. Recent mixed use and multi-family developments along the Madison corridor were seen as prototypes that were followed by the design team. The proposed development respects the recent change and contributes to a corridor that has anchors at the major nodes and infill housing, both mixed use and multi-family, between the nodes. The submitted architectural designs are a testament to that design intent.

4. Preserve and enhance of desirable site characteristics such as natural topography, vegetation, and geologic features.

The site is a parking lot and therefore the topography is generally flat. In the opinion of the Applicant, there are no desirable site characteristics such as natural topography, vegetation, and geologic features. Therefore, the Applicant believes that this Standard does not apply.

5. Maximize the beneficial use of open space.

To be consistent with other developments along the Madison corridor, and to propose an efficient off-street parking layout for the development, the open space for the proposed development was raised to the top floor. Please see the architectural plans and renderings for evidence of this.

6. Promote long-term planning pursuant to a site plan that will allow harmonious and compatible land uses or combination of uses with surrounding areas.

As mentioned in Item 3, the Madison Street is a changing corridor in Oak Park. Recent mixed use and multi-family developments along the Madison corridor were prototypes followed by the design team. The proposed development respects that change and contributes to a corridor that has anchors at the major nodes and infill housing, both mixed use and multi-family, between nodes. The development will promote long-term planning pursuant to a site plan that will allow harmonious and compatible land uses or combination of uses with surrounding areas

7. Promote economic development within the Village.

The proposed development will, after completion, turn a parking lot into a home for 24 families. The real estate property taxes will increase because of the proposed development. Moreover, the 24 families that will move into the proposed development will bring economic resources with their move and potentially spend any discretionary income within Oak Park.

8. Eliminate blighted structures or incompatible uses through redevelopment, restoration, adaptive reuse, or rehabilitation.

The proposed development does not eliminate blighted structures or incompatible uses through redevelopment. But the development does replace a parking lot which, in the opinion of the Applicant, is an underused resource in the neighborhood. And the proposed development does propose a reuse of the underused property.

9. Preserve and/or enhance historical and natural resources.

The proposed application is not in close proximity to any known historical and natural resources. Therefore, this standard does not apply to this development.

END OF RESPONSES

Application Item 3.1 – Sustainability Standards



August 15, 2022

Dear Village of Oak Park Council,

Eco Achievers, a nationally-recognized green building consulting firm, has been engaged to provide sustainability certification services for the upcoming Oak Park Commons project located at 839 W Madison St. To comply with the Village's Sustainability Standards, the project has selected the Silver tier of the National Green Building Standard (NGBS) program, which was previously recognized as an acceptable alternative to LEED certification. The project will comply with all requirements and needed credits, and will be attaining full NGBS certification.

Thank you very much for your time. If you have any questions or comments, please do not hesitate to contact me.

Respectfully Yours,

A handwritten signature in black ink that reads "Lindsey Elton".

Lindsey Elton

President, Partner

Eco Achievers || Building Wisdom

HERS Rater, BPI BA/BE Specialist, ENERGY STAR v3.1/ESMFNC

LEED for Homes Green Rater, NGBS Verifier

Certified Passive House Consultant, PHIUS+ MF Verifier and Rater

ecoachievers.com | lindsey@ecoachievers.com | 248.310.7808



Summary of Results of the Design Phase

Project Name: Oak Park Commons

Location: 839 Madison Street, Oak Park, Illinois 60302

✓ No Mandatory items missing on the "Overview (Design)" page

	Points Required				Points Claimed	Mandatory Practices	No Errors
	Bronze	Silver	Gold	Emerald			
Chapter 5: Lot Design, Preparation, and Development	50	64	93	121	145	✓	✓
Chapter 6: Resource Efficiency	43	59	89	119	85	✓	✓
Chapter 7: Energy Efficiency	30	45	60	75	50	✓	✓
Chapter 8: Water Efficiency	25	39	67	92	50	✓	✓
Chapter 9: Indoor Environmental Quality	25	42	69	97	47	✓	✓
Chapter 10: Operation, Maintenance, and Building Owner Education	8	10	11	12	17	✓	✓
Additional Points required	50	75	100	100			
Additional points required due to SF over 4000 (601.1)	0	0	0	0			
Total points required	231	334	489	611	394		
Additional Points Claimed	213	135	5	(117)			
Overall Level Achieved for Design	Silver						

Application Item 4 – Owner Information

Application Item 4.b – Contact Information



OAK PARK COMMONS
INTERGENERATIONAL COHOUSING COMMUNITY

OAK PARK COMMONS COHOUSING LLC is a manager-managed LLC with the following managing members:

1. Charles Hoch – 631 S Harvey Avenue, Oak Park, IL 60304. Tel # 708-721-8817
Email: hochchas@gmail.com
2. Alltierra Builders LLC-North – 106 S Oak Park Avenue, Ste 205, Oak Park IL 60302
Tel # 708-393-4189; Email: jshack@altierrabuilders.com

Application Item 5.a – Property Restrictions



August 12, 2022

Village of Oak Park
123 Madison Street
Oak Park IL 60302

To Whom It May Concern:

I, Jonathan Shack, manager and member of Oak Park Commons Cohousing LLC, do state that I am not aware of any property restrictions on 839 Madison St., Oak Park, IL.

A handwritten signature in blue ink that reads "Jonathan Shack".

Jonathan Shack
Manager/Member

Application Item 5.b – Plat of Survey

Application Item 5.c – Historic Preservation Review

Since the subject property is not within the boundaries of a historic district, this section does not apply.

Application Item 6.a – Environmental report

Application Item 6.a – Environmental report

A copy of the phase one environmental report has been submitted to Village Staff

Application Item 6.b – Village Services Report

Application Item 6.b – Village Services Report

Given the scope of the development and the relatively moderate request for allowable height, the Applicant requests a waiver from the requirement to provide a full Village Services request. The Applicant's design team will meet with the Police Chief and the Fire Chief so as to get a favorable review and approval for the development.



Members of the Plan Commission
Village of Oak Park

September 22, 2022

RE: Village Impact Review

Dear Members of the Plan Commission:

I have reviewed the proposed residential planned development to be located at 839 Madison Street by Oak Park Commons Cohousing, LLC as presented by Jonathan Shack, Developer and Foster Dale, Architect. Pursuant to my review on Thursday, September 22, 2022 I have determined that the development proposal will not have a negative impact on the Fire Department.

Sincerely,

Ron Kobylski 22 SEP 22

Ron Kobylski,
Fire Chief, Village of Oak Park



Members of the Plan Commission
Village of Oak Park

September 22, 2022

RE: Village Impact Review

Dear Members of the Plan Commission:

I have reviewed the proposed residential planned development to be located at 839 Madison Street by Oak Park Commons Cohousing, LLC as presented by Jonathan Shack, Developer and Foster Dale, Architect. Pursuant to my review on Thursday, September 22, 2022 I have determined that the development proposal will not have a negative impact on the Police Department.

Sincerely,

A handwritten signature in blue ink that reads "Shatonya Johnson". The signature is fluid and cursive.

Shatonya Johnson
Interim Police Chief, Village of Oak Park

Application Item 6.c – Market Feasibility Report

Application Item 6.c

Market Feasibility Report

The Applicant and the Developer believe that this requirement does not apply to this application given the fact that Oak Park Commons CoHousing is performing their own market outreach and that several of the units have been pre-sold.

Application Item 7.a – Traffic Impact Study

MIXED-USE DEVELOPMENT

Traffic Impact Study

Oak Park, Illinois

September 2022

Prepared for:

Altierra Builders

Kimley»»Horn

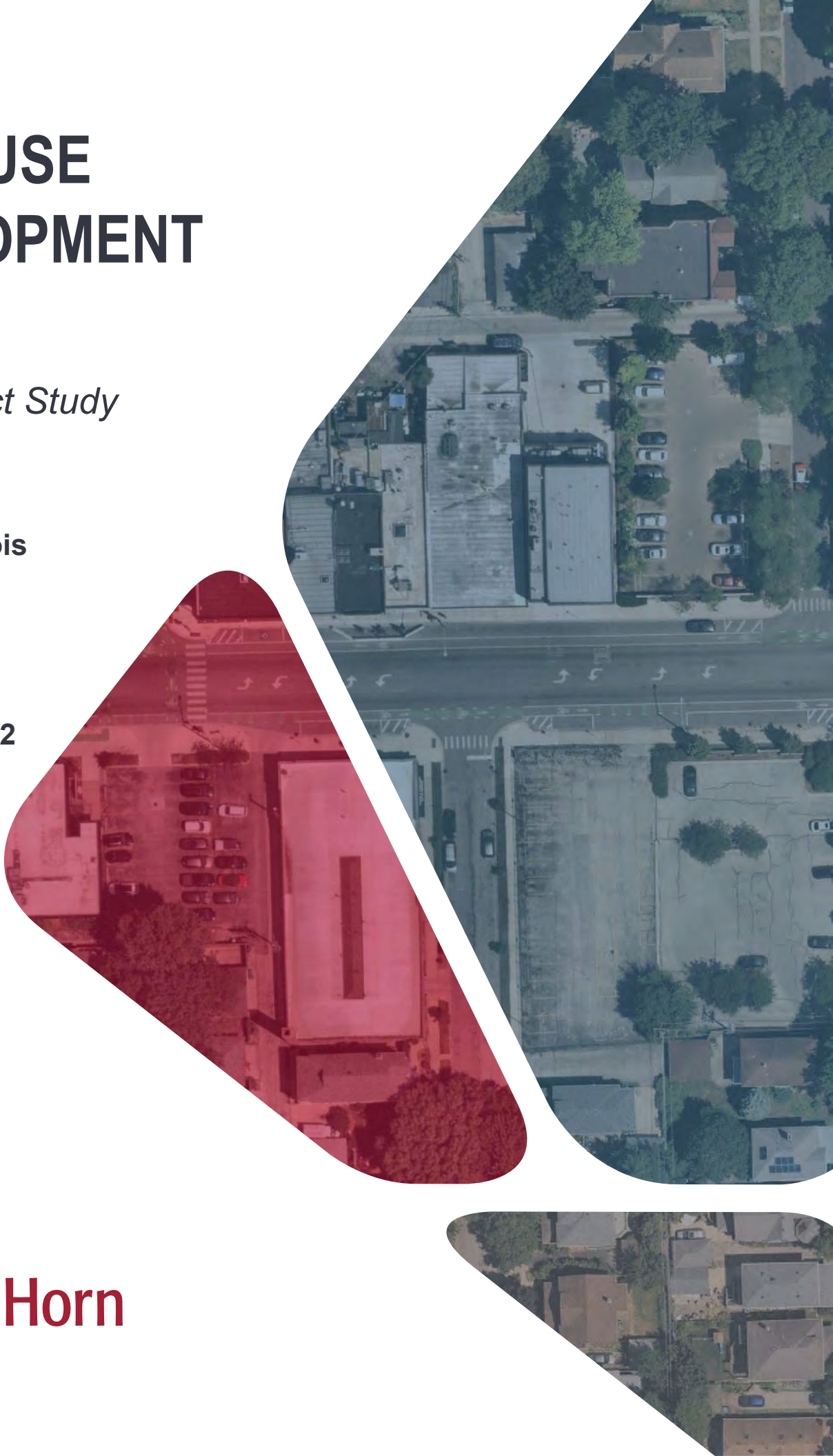


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1. INTRODUCTION

Kimley-Horn (KH) has conducted a Traffic Impact Study (TIS) for the above captioned project. The site, which is currently vacant, is located at 839 W. Madison Street in Oak Park, Illinois. As proposed, the 5-story building would have 24 multi-family units and 920 square feet of commercial space. The first floor would have 26 indoor parking spaces, with an additional space located along the adjacent east-west alley. The next four floors will have 24 units, with four 3-bedroom, thirteen 2-bedroom, and seven 1-bedroom apartments. **Exhibit 1** on the following page depicts a site location map.

The following summarizes our TIS findings and provides various recommendations for your consideration. Exhibits and Appendices referenced are centrally located at the end of this document. Briefly summarizing, we believe that the development traffic can be accommodated on the adjacent streets. Reasons include:

- The site is served well by all modes of transportation, including major streets and Pace bus route 311. Additionally, the development is located within walking distance of both the CTA Green Line (1/2 mile) and the Metra Union Pacific West Line (3/4 mile).
- Per US Census data, the apartments will generate a significant portion of non-auto trips, approximately 24%. In addition, it can be expected that a large percentage of the commercial trips, perhaps 60% or more, will be via walking, biking, and/or by vehicles already traveling along the area streets.
- Apartment traffic will have a very limited impact on current operations along Madison Street and Oak Park Avenue and at their intersection.
- The parking supply of 26 indoor spaces plus the 1 outdoor space along the alley meets the Village code requirement of 1.0 spaces per dwelling unit.



NORTH
NOT TO SCALE



EXHIBIT 1
SITE LOCATION MAP

2. EXISTING CONDITIONS

Based on aerial imagery as well as a site visit, Kimley-Horn conducted a review of the subject site including existing land uses in the surrounding area, the adjacent street system, current traffic volumes and operating conditions, lane configurations and traffic controls at nearby intersections, and other key roadway characteristics. This section of the report details information on the existing conditions.

Area Land Uses

- The Madison Street and Oak Park Avenue corridors have a diverse mix of residential and commercial uses. Many of the residential buildings are multi-story with first floor commercial space provided.
- Residential neighborhoods are found along the local streets, such as Grove Avenue, and Carpenter Avenue.

Existing Roadway Characteristics

A field investigation was conducted within the study area. As a result of this visit, the information below was obtained about the existing roadway network.

Roadway Inventory

Madison Street

- Madison Street is an east-west route and is under the jurisdiction of the Village of Oak Park.
- Madison Street is classified as a “Major Collector” on the Illinois Department of Transportation (IDOT) functional classification map.
- Madison Street has a three-lane pavement section, with on-street parking, and dedicated bike lanes on both sides of the street.

Oak Park Avenue

- Oak Park Avenue is a north-south route and is under the jurisdiction of the Village of Oak Park.
- Oak Park Avenue is classified as a “Major Collector” on the IDOT functional classification map.
- Oak Park Avenue generally has one travel lane in each direction. Separate left turn lanes are provided at its signalized intersection with Madison Street.

Grove Avenue and Carpenter Avenue

- Grove Avenue and Carpenter Avenue are both local north-south streets that allow two-way traffic. Carpenter Avenue has its northern terminus at Madison Street.
- On-street parking is generally allowed, except where signage restricts or prohibits it.

Non-Motorized Mobility

- Pace operates bus route #311 along Oak Park Avenue with a stop at Madison Street.
- Pedestrian crosswalks are striped on all major approaches at each study area intersection.
- Sidewalks are provided on both sides of the street for all roadways in the site vicinity.
- As noted, Madison Street has dedicated bike lanes on both sides of the street.

- The site is located within walking distance of both the CTA Green Line (1/2 mile) and the Metra Union Pacific West Line (3/4 mile).

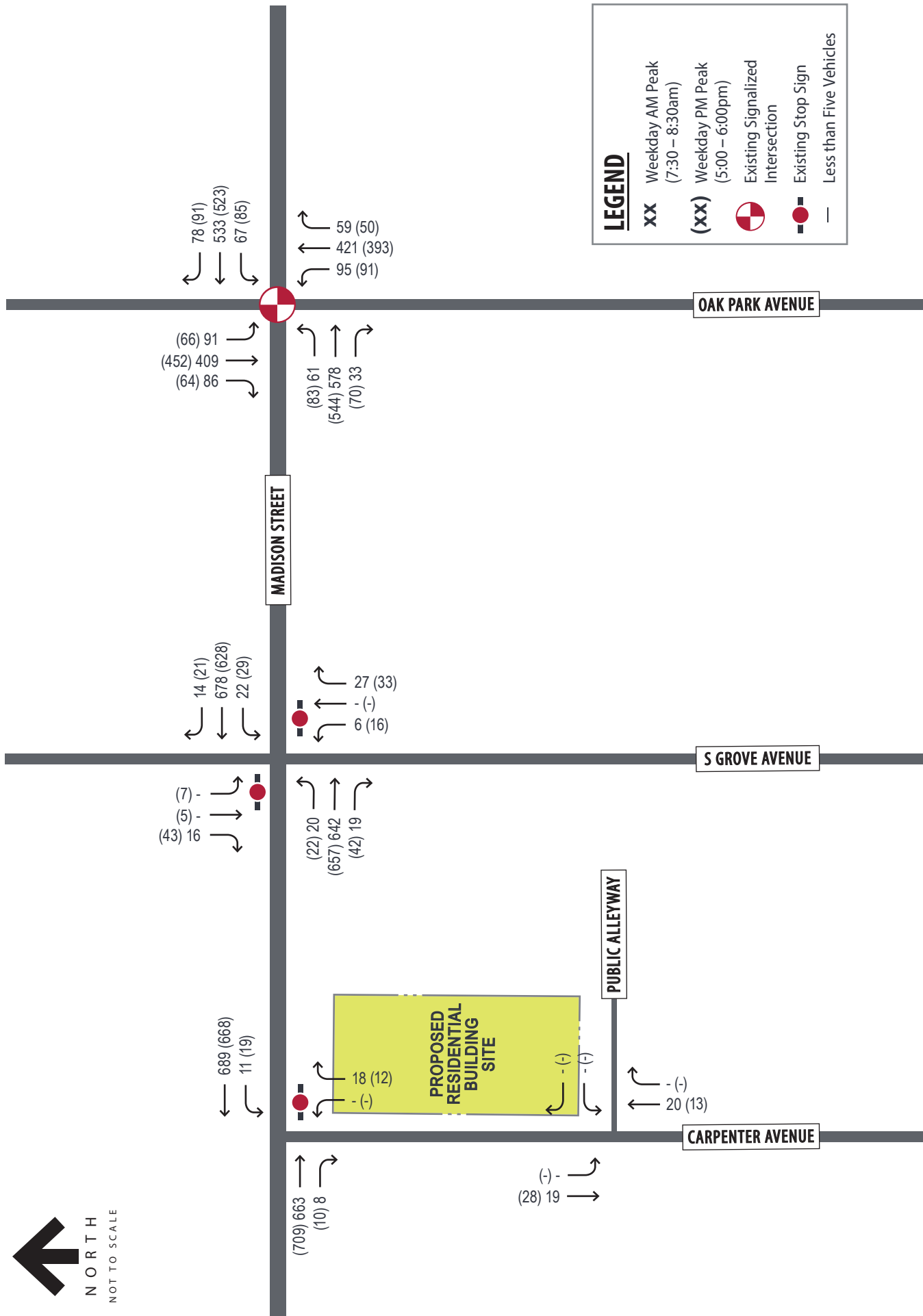
Traffic Count Data

Turning movement count data was collected on August 25, 2022, at the following intersections:

- Madison Street / Oak Park Avenue
- Madison Street / Grove Avenue
- Madison Street / Carpenter Avenue
- Carpenter Avenue / East-west Alleyway

The counts were conducted on a typical weekday from 7:00 to 9:00AM, and 4:00 to 6:00PM. These count periods were selected in order to capture the peak travel periods in the area. The traffic count data indicates that peak traffic volumes occur within the study area from 7:30 to 8:30AM and 5:00 to 6:00 PM. No unusual events, such as inclement weather or emergency vehicle activity occurred that would have affected the traffic counts.

Exhibit 2 illustrates the resulting morning and evening peak hour traffic volumes, as well as the Annual Average Daily Traffic (AADT) volumes obtained from the IDOT Website gettingaroundillinois.com. The traffic count data is provided in **Appendix A**.



Crash Analysis

Crash data was obtained from the IDOT Division of Transportation and Safety for the last five calendar years, 2016 through 2020. A summary of the crash data is provided in **Table 2.1** with the locations mapped on the exhibit contained in **Appendix B**.

Table 2.1 Crash Summary (2016-2020) ^A

Location	No. of Crashes	Severity ^B					Crash Type ^D										Percent During Wet/Icy Conditions
		PD	PI ^C			F	CM	FTR	OOB	HO	SSD	SOD	FO	PMV	Ped	Bike	
			A	B	C												
Intersections - Crashes within 200' of intersection																	
Madison St / Oak Park Ave	86	63	-	10	13	-	31	32	-	2	7	2	1	6	4	1	19%
Madison St / Grove Ave	19	15	-	2	2	-	7	7	1	-	2	-	-	-	1	1	11%
Madison St / Carpenter Ave	10	8	1	-	1	-	3	-	-	1	1	-	-	3	2	-	10%
Segments																	
Along Madison St between Carpenter Ave / Grove Ave	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	0%
Total (2016-20)	116	87	1	12	16	0	41	40	1	3	10	2	1	9	7	2	16%

^A Source: IDOT Division of Transportation Safety for the 2016-2020 calendar years.

^B PD = property damage only; PI = personal injury; F = fatality.

^C Type A (incapacitating injury); Type B (non-incapacitating injury); Type C (possible injury).

^D CM = cross movement/angle; FTR = front to rear; OOB = Other Object; HO = head on; SSD = Sideswipe Same Direction; SOD = Sideswipe Opposite Direction; FO = fixed object; PMV = Parked Motor Vehicle; Ped = pedestrian.

Kimley-Horn obtained crash data from IDOT for the most recent available five years (2016-2020) for the intersections of Madison Street with Oak Park Avenue, Grove Avenue, and Carpenter Avenue. There was a total of 86 crashes reported at Touhy Avenue / Crawford Avenue. While 63 of these crashes resulted in property damage only, zero crashes were classified as type-A which involves incapacitating injury. Additionally, four crashes involved pedestrians and one crash involved a bicyclist. Furthermore, there was a total of 19 crashes reported at Madison Street / Grove Avenue. 15 of these crashes, or 79%, involved property damage only. One pedestrian crash and one bicyclist crash were reported at this intersection. Lastly, there was a total of 10 crashes reported at Madison Street / Carpenter Avenue, of which eight involved property damage only. Two pedestrian crashes were also reported at this intersection. A summary of crash types by intersection is provided in Table 1 below. A crash location exhibit is provided in Appendix B.

Existing Capacity Analysis

Capacity analysis for the existing and future conditions was performed using Synchro Version 11. The capacity of an intersection quantifies its ability to accommodate traffic volumes and is expressed in terms of level of service (LOS), measured in average delay per vehicle. LOS grades range from A to F, with LOS A as the highest (best traffic flow and least delay), LOS E as saturated or at-capacity conditions, and LOS F as the lowest (oversaturated conditions).

The LOS grades shown below, which are provided in the Transportation Research Board's Highway Capacity Manual (HCM), quantify and categorize the driver's discomfort, frustration, fuel consumption, and travel times experienced as a result of intersection control and the resulting traffic queuing. A detailed description of each LOS rating can be found in **Table 2.2**.

Table 2.2 Level of Service Grading Descriptions

Level of Service	Description ¹
A	Minimal control delay; traffic operates at primarily free-flow conditions; unimpeded movement within traffic stream.
B	Minor control delay at signalized intersections; traffic operates at a fairly unimpeded level with slightly restricted movement within traffic stream.
C	Moderate control delay; movement within traffic stream more restricted than at LOS B; formation of queues contributes to lower average travel speeds.
D	Considerable control delay that may be substantially increased by small increases in flow; average travel speeds continue to decrease.
E	High control delay; average travel speed no more than 33 percent of free flow speed.
F	Extremely high control delay; extensive queuing and high volumes create exceedingly restricted traffic flow.

¹Highway Capacity Manual, 6th Edition.

The range of control delay for each rating (as detailed in the HCM) is shown in **Table 2.3**. Because signalized intersections are expected to carry a larger volume of vehicles and stopping is required during red time, note that higher delays are tolerated for the corresponding LOS ratings.

Table 2.3 Level of Service Grading Criteria

Level of Service ¹	Average Control Delay (s/veh) at:	
	Unsignalized Intersections	Signalized Intersections
A	0 – 10	0 – 10
B	> 10 – 15	> 10 – 20
C	> 15 – 25	> 20 – 35
D	> 25 – 35	> 35 – 55
E	> 35 – 50	> 55 – 80
F ²	> 50	> 80

¹Highway Capacity Manual, 6th Edition

²All movements with a Volume to Capacity (v/C) ratio greater than 1 receive a rating of LOS F.

Based on these standards, capacity results were identified for the study intersections under existing conditions. The results of capacity analysis for existing conditions are summarized in **Table 2.4**. In this table, operation on each approach is quantified according to the average delay per vehicle and the corresponding level of service. The results for the study intersections are based on Synchro’s LVT reporting structure for signalized intersections and HCM 6th Edition reporting structure for stop-controlled intersections. Copies of the Synchro reports are provided in the **Appendix C**.

Table 2.4 Existing (2022) Levels of Service

Intersection	Weekday AM Peak Hour		Weekday PM Peak Hour	
	Delay (s/veh)	LOS	Delay (s/veh)	LOS
Madison Street / Oak Park Avenue *				
Northbound	28	C	22	C
Southbound	34	C	27	C
Eastbound	30	C	25	C
Westbound	26	C	24	C
<i>Intersection</i>	29	C	24	C
Madison Street / Grove Avenue △				
Northbound	17	C	20	C
Southbound	17	C	18	C
Eastbound (Left)	10-	A	9	A
Westbound (Left)	9	A	9	A
Madison Street / Carpenter Avenue △				
Northbound	15	B	15	B
Westbound (Left)	9	A	10-	A
Carpenter Avenue / East-West Alleyway △				
Westbound	9	A	9	A
Southbound (Left)	7	A	8	A

* -Signalized Intersection

△-Minor-Leg Stop-Controlled Intersection

¹Left-turn movement operates at LOS E

Madison Street / Oak Park Avenue

At the signalized intersection of Madison Street / Oak Park Avenue the north, south, east, and west legs operate at LOS C during the AM and PM peak hours. It should be noted that overall intersection operation is acceptable at LOS C or better during both peak hours.

Madison Street / Grove Avenue

At the minor-leg stop-controlled intersection of Madison Street / Grove Avenue, the north and south legs currently operate at LOS C during the AM and PM peak hours. The 95th percentile queues are estimated to be one vehicle or less (approximately 25 feet) for the north and south legs in each peak hour.

Madison Street / Carpenter Avenue

At the minor-leg stop-controlled intersection of Madison Street / Carpenter Avenue, the south leg currently operates at LOS B during the AM and PM peak hours. The 95th percentile queues are estimated to be one vehicle or less (approximately 25 feet) in each peak hour.

Carpenter Avenue / East-West Alley

At the minor-leg stop-controlled intersection of Carpenter Avenue / East-West Alleyway, the east leg currently operates at LOS A during the AM and PM peak hours.

3. DEVELOPMENT CHARACTERISTICS

This section of the report outlines the proposed site plan, summarizes site-specific traffic characteristics, defines future roadway improvements, and develops traffic projections for analysis.

Development Characteristics

The proposed multi-use building is located on the southeast quadrant of the Madison Street / Carpenter Avenue intersection in Oak Park, Illinois. Per the site plan prepared by Foster Dale Architects dated July 12, 2022, (see **Appendix D**), Oak Park Commons will include 24 multi-family residences and 920 square feet of commercial space. Vehicular access to the parking garage will be provided via the alley located to the south of the building. It is anticipated that construction of the development will be completed in 2023.

Trip Generation

In order to calculate the trips generated by the proposed site, data was referenced from the Institute of Transportation Engineers (ITE) manual titled Trip Generation, Eleventh Edition. Trip generation rates for the ITE Land Use Code (LUC) corresponding to the proposed use are shown in **Table 3.1**. A copy of the ITE data are provided in the **Appendix E**.

Table 3.1 ITE Trip Generation Data

ITE Land Use	Unit	Weekday		
		Daily	AM Peak Hour	PM Peak Hour
Multifamily Housing (Mid-Rise) (LUC 221)	Per Dwelling Unit (DU)	4.54(X) 50% in/50% out	0.37(X) 23% in/77% out	0.39(X)+0.34 61% in/39% out
Strip Retail Plaza (<40k) (LUC 822)	Per 1,000 SF GFA	42.20(X)+229.68 50% in/50% out	0.66 Ln(X)+1.84 50% in/50% out	0.71 Ln(X)+2.72 50% in/50% out

X = Per 1,000 SF of gross floor area (GFA)

Table 3.2 shows the site generated traffic projections.

Table 3.2 Site-Generated Traffic Projections

Land Use	Size	Daily	Weekday					
			AM Peak Hour			PM Peak Hour		
			In	Out	Total	In	Out	Total
Multifamily Housing (Mid-Rise) (LUC 221)	24 Units	110	2	7	9	6	4	10
Strip Retail Plaza (<40k) (LUC 822)	900 SF	270	3	3	6	7	8	15
<i>Total</i>		380	5	10	15	13	12	25

The trip generations do not reflect the various non-auto travel mode alternatives that are in abundance near 839 Madison Street. US Census data for census tracts surrounding the site indicate that about 24% of trips could be non-auto oriented. In addition, perhaps 60% or more of the commercial trips, could be via walking, bicycling, and/or by vehicles already traveling along the area streets. These discounts were not taken to ensure the maximum site impacts are tested.

Directional Distribution

The estimated distribution of site-generated traffic on the surrounding roadway network as it approaches and departs the site is a function of several variables, such as the nature of surrounding land uses, prevailing traffic volumes/patterns, characteristics of the street system, and the ease with which motorists can travel over various sections of that system. The anticipated directional distributions estimated for the anticipated trips are outlined in **Table 3.3**. It is anticipated that most site trips will be oriented along both directions of Madison Street and on Oak Park Avenue to the south.

Table 3.3 Estimated Trip Distribution

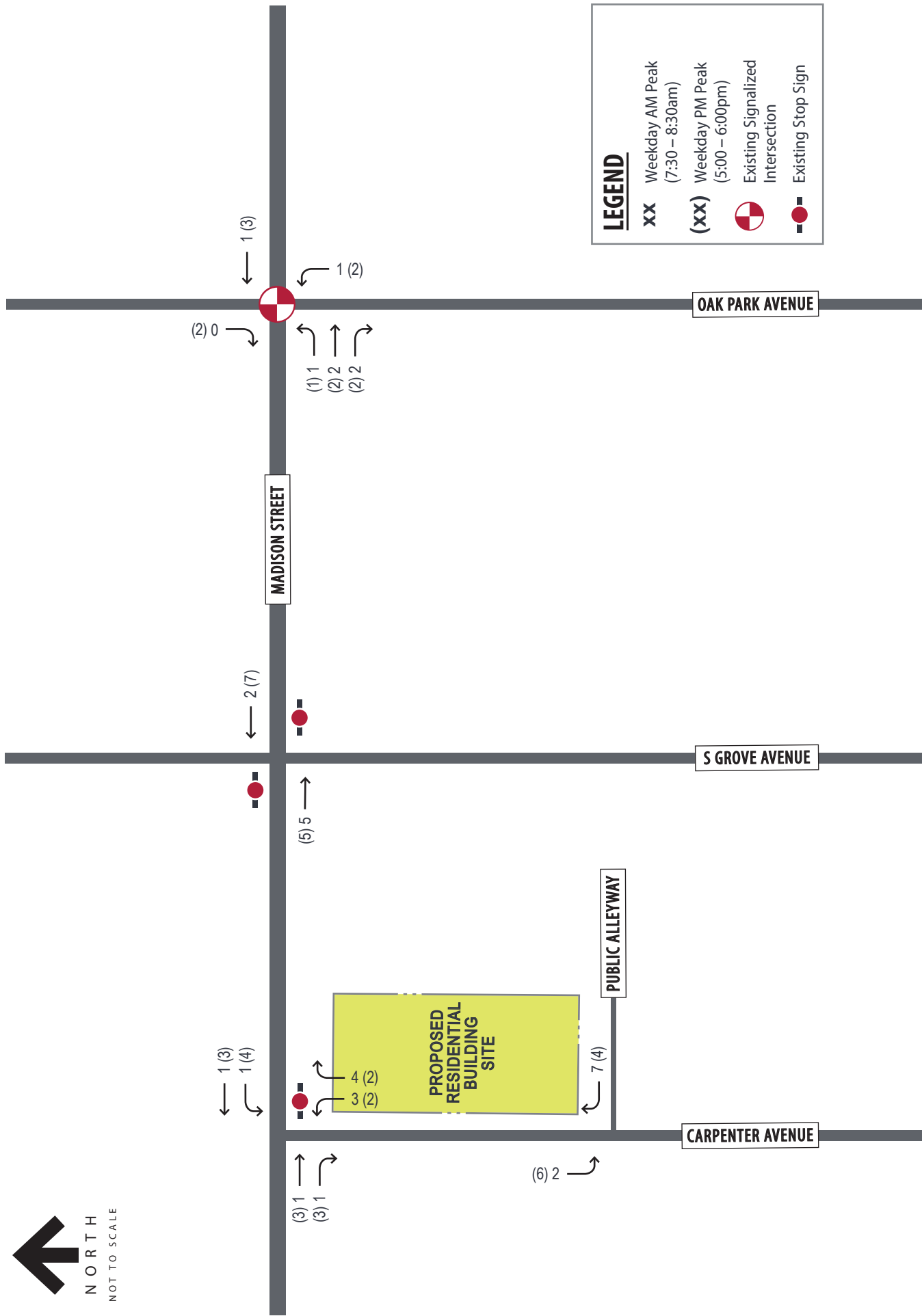
Traveling to/from	Estimated Trip Distribution
West on Madison Street	35%
East on Madison Street	25%
North on Oak Park Avenue	10%
South on Oak Park Avenue	30%
Total	100%

Site Trip Assignment

Site traffic was assigned to the adjacent streets based on the project characteristics (see **Tables 3.2 and 3.3**) and is illustrated in **Exhibit 3**.



NORTH
NOT TO SCALE



LEGEND

- XX** Weekday AM Peak (7:30 – 8:30am)
- (XX)** Weekday PM Peak (5:00 – 6:00pm)
- Existing Signalized Intersection
- Existing Stop Sign

4. FUTURE YEAR 2028 CONDITIONS

This section of the report evaluates the Future Year 2028 design year. As it is anticipated that the development will be completed by Year 2023 and therefore evaluated for Future Year 2028 representing Build Year + 5. An analysis of No-Build and Build conditions for 2028 was completed to provide recommendations for the improvements, if any, required to accommodate traffic in this scenario.

Future Year 2028 Background Traffic Projections

A future no-build scenario was prepared to assess future traffic operation of the study intersections without the introduction of the development. Background traffic growth was assumed to be comprised of overall background growth applied in the form of an annual growth rate.

Overall Background Growth

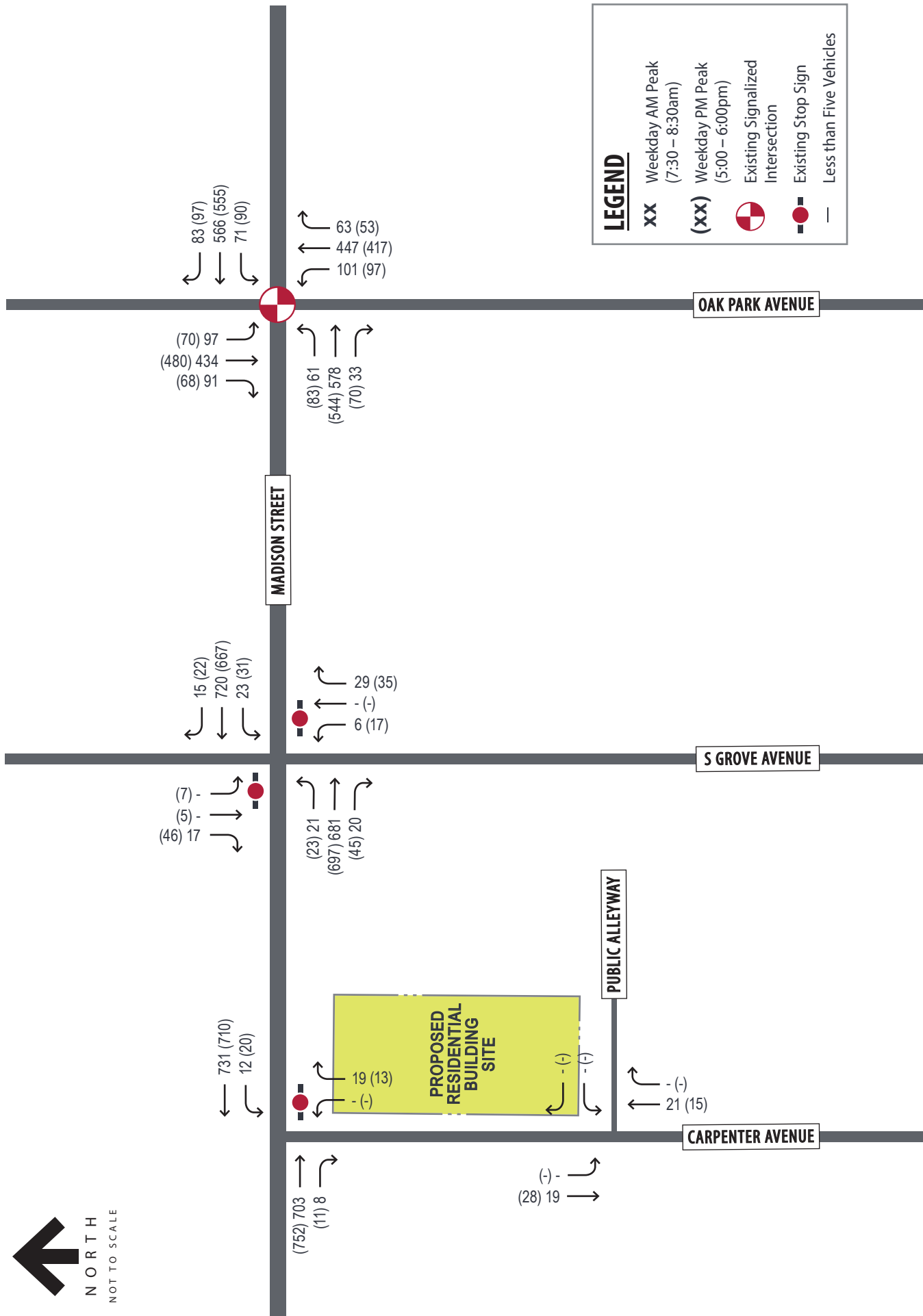
Background traffic volumes were estimated using data from the Chicago Metropolitan Agency for Planning (CMAP). Based on the information received from CMAP, annual growth rates were determined for roadway segments in the study area, which are shown in **Table 4.1**.

Table 4.1 CMAP Projected Growth Rates

Roadway Segment	Annual Growth Rate
Madison Street, Harlem Avenue to Austin Avenue	0.4%
Oak Park Avenue, Washington Blvd to I-290	0.4%

Based on the CMAP information provided above in Table 4.1, traffic growth throughout the study area is projected at an average annually-compounded rate of roughly 0.4 percent through Year 2050. However, an annual growth rate of 1.0 percent was applied to all movements of study intersections to account for background traffic growth through 2028 to provide a conservative analysis scenario. An official letter from CMAP documenting the projected Year 2050 traffic volume throughout the study area is included in the **Appendix F**.

The future No-Build traffic volumes for Year 2028 are presented in **Exhibit 4** on the following page.



No-Build (2028) Capacity Analysis

Based on the volume projections presented in **Exhibit 5** on the preceding page, capacity results were identified for the study intersections under no-build conditions. The results of capacity analysis are summarized in **Table 4.2**. Consistent with the Existing Conditions analysis, the results for the study intersections are based on Synchro’s HCM 6th Edition reporting structure for signalized and stop-controlled intersections. Copies of the Synchro reports are provided in the **Appendix G**.

Table 4.2 Future (2028) No-Build Levels of Service

Intersection	Weekday AM Peak Hour		Weekday PM Peak Hour	
	Delay (s/veh)	LOS	Delay (s/veh)	LOS
Madison Street / Oak Park Avenue *				
Northbound	31	C	24	C
Southbound	39	D	31	C
Eastbound	35	D	28	C
Westbound	29	C	27	C
<i>Intersection</i>	34	C	27	C
Madison Street / Grove Avenue △				
Northbound	18	C	22	C
Southbound	17	C	19	C
Eastbound (Left)	10-	A	10-	A
Westbound (Left)	9	A	10-	A
Madison Street / Carpenter Avenue △				
Northbound	15	C	16	C
Westbound (Left)	9	A	10-	A
Carpenter Avenue / East-West Alleyway △				
Westbound	9	A	9	A
Southbound (Left)	7	A	8	A

* -Signalized Intersection

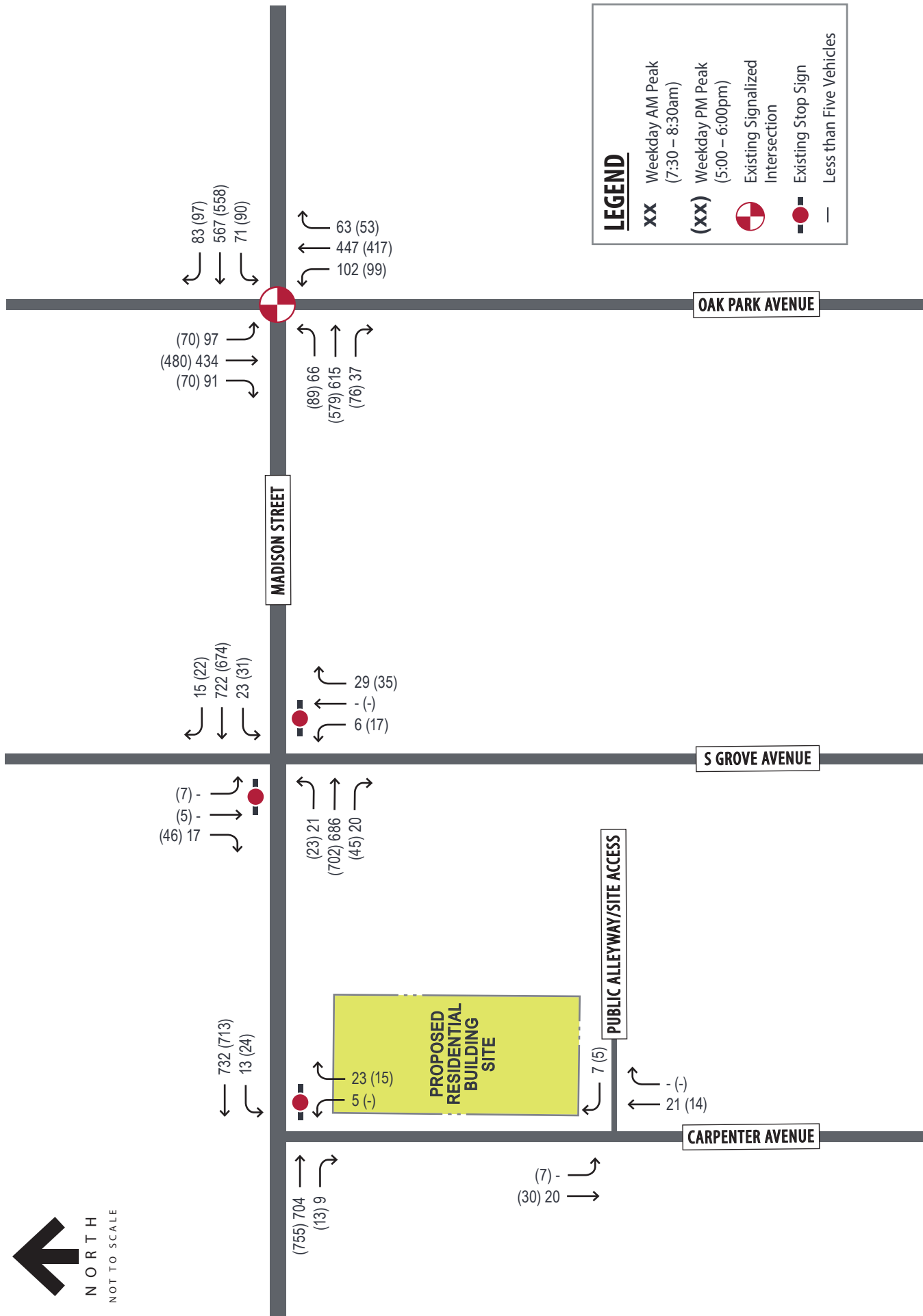
△ -Minor-Leg Stop-Controlled Intersection

¹Left-turn movement operates at LOS E

With the addition of overall background traffic growth, all intersections throughout the study area are expected to continue operating with acceptable delay and nominal increases over existing conditions.

Future Year 2028 Build Traffic Projections

Site traffic (see Exhibit 3) and the 2028 No-Build projections (see Exhibit 4) were added together to produce the Future Year 2028 Build traffic projections, which is illustrated in **Exhibit 6** on the following page.



Build Capacity Analysis

Based on the volume projections presented in **Exhibit 5** on the preceding page, capacity results were identified for the study intersections under build conditions. The results of capacity analysis are summarized in **Table 4.3**. Consistent with the existing and no-build conditions analysis, the results for the study intersections are based on Synchro’s HCM 6th Edition reporting structure for signalized and stop-controlled intersections. Copies of the Synchro reports are provided in the **Appendix H**.

Table 4.3 Future (2028) Build Levels of Service

Intersection	Weekday AM Peak Hour		Weekday PM Peak Hour	
	Delay (s/veh)	LOS	Delay (s/veh)	LOS
Madison Street / Oak Park Avenue *				
Northbound	32	C	24	C
Southbound	39	D	31	C
Eastbound	35	D	29	C
Westbound	29	C	27	C
Intersection	34	C	28	C
Madison Street / Grove Avenue △				
Northbound	18	C	22	C
Southbound	17	C	19	C
Eastbound (Left)	10-	A	10-	A
Westbound (Left)	9	A	10-	A
Madison Street / Carpenter Avenue △				
Northbound	16	C	16	C
Westbound (Left)	9	E	10-	A
Carpenter Avenue / East-West Alleyway △				
Westbound	9	A	9	A
Southbound (Left)	7	A	8	A

* -Signalized Intersection

△ -Minor-Leg Stop-Controlled Intersection

¹Left-turn movement operates at LOS E

With the addition of site traffic, all intersections throughout the study area are expected to continue operating with acceptable delay and nominal increases over no-build conditions.

Key Finding

Based on the above traffic characteristics and discussion, the site impacts on area traffic volumes and operations are limited. Thus, our recommendations focus on the access operations and the on-site planning elements.

In fact, the additional morning and evening peak hour delays at almost all the study area intersections will be less than one second.

Based on Kimley-Horn’s review of the proposed site plan and evaluation of existing and build traffic conditions, the following information is offered as it pertains to the subject site:

Traffic Impact Discussion

Site traffic will represent the following volumes traveling through the Madison Street intersection with Oak Park Avenue:

- During the weekday morning peak hour (see Exhibit 3), there are currently about 2,510 vehicles or about 42 vehicles per minute. The site would add only 7 trips or about 1 trip every 8-9 minutes.
- During the weekday evening peak hour, there are also currently about 2,510 vehicles or about 42 vehicles per minute. The site would add only 9 trips or about 1 trip every 6-7 minutes.
- Site traffic will add only 9 vehicles in the morning peak hour and 10 vehicles during the evening peak hour, total of both directions, to Carpenter Avenue from the alley to Madison Street. The impact is only 1 trip, total of directions, every 6-7 minutes.

Key Finding. Based on the above, it can be concluded that no street or intersection improvements would be necessary to specifically accommodate site traffic. Thus, our recommendations focus on the on-site planning elements (e.g. access operations and parking) and on enhancing pedestrian and bicycle mobility.

On-Site Planning Elements

Site Access

- No vehicular access will be provided along Madison Street, which will enhance the pedestrian experience and encourage travel safety.
- Vehicular access to the parking garage will be provided via the alley located to the south of the building.
- Exiting site traffic should have Stop control on the east-west alley at Carpenter Avenue. Signage should also direct traffic to only turn right (northbound) from the alley.
- Any disrupted sidewalk along the site should be replaced.
- Long term indoor storage for six bikes will be provided.

Parking and Service

- Twenty-six indoor and one outdoor parking space will be provided. It is our understanding that this supply meets Village code requirements. The garage door will require a remote key fob to open and close to ensure safety.
- The commercial space will be served by available on-street parking.
- A loading zone will be provided at the west end of the alley and will also be used for refuse pick-up.

5. CONCLUSION

Based on Kimley-Horn's review of the proposed site plan and evaluation of existing and build traffic conditions, the study intersections are projected to adequately accommodate the proposed redevelopment.

No improvements are recommended for the existing signalized intersection of Madison Street / Oak Park Avenue or the unsignalized intersections of Madison Street with Grove Avenue and Carpenter Avenue.

TECHNICAL APPENDIX

- A. Traffic Count Data
- B. IDOT Crash Location Exhibit
- C. Existing (2022) Capacity Reports
- D. Data from the ITE Manual Trip Generation, Eleventh Edition
- E. CMAP Correspondence
- F. No-Build (2028) Capacity Reports
- G. Build (2028) Capacity Reports

Study Name 1_Madison Street & Oak Park Avenue
 Date Thursday, August 25, 2022

Report Summary

Time Period	Class.	Eastbound						Westbound						Northbound						Southbound						Crosswalk				
		U	L	T	R	I	O	U	L	T	R	I	O	U	L	T	R	I	O	U	L	T	R	I	O	Total	Bicycles on Crosswalk	Pedestrians	Total	
AM Peak Period	Lights	0	56	550	31	637	686	0	63	510	77	650	698	0	93	409	58	560	499	0	90	405	83	578	542	2425	EB	2	15	17
Specified Period	%	0%	92%	95%	94%	95%	96%	0%	94%	96%	99%	96%	96%	0%	98%	97%	98%	97%	98%	0%	99%	99%	97%	99%	97%	97%		12%	88%	
7:30 AM - 8:30 AM	Mediums	0	4	18	1	23	19	0	2	16	1	19	20	0	1	10	1	12	7	0	1	4	2	7	15	61	WB	1	14	15
One Hour Peak	%	0%	7%	3%	3%	3%	3%	0%	3%	3%	1%	3%	3%	0%	1%	2%	2%	2%	1%	0%	1%	1%	2%	1%	3%	2%		7%	93%	
7:30 AM - 8:30 AM	Articulated Trucks	0	1	7	1	9	7	0	1	7	0	8	7	0	0	0	0	0	2	0	0	0	0	0	1	17	NB	4	8	12
	%	0%	2%	1%	3%	1%	1%	0%	1%	1%	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%		33%	67%	
	Bicycles on Road	0	0	3	0	3	2	0	1	0	0	1	3	0	1	2	0	3	1	0	0	0	1	1	2	8	SB	0	10	10
	%	0%	0%	1%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	1%	0%	0%	1%	0%	0%	0%	0%	1%	0%	0%	0%		0%	100%	
	Total	0	61	578	33	672	714	0	67	533	78	678	728	0	95	421	59	575	509	0	91	409	86	586	560	2511		7	47	54
	PHF	0	0.73	0.94	0.69	0.93	0.92	0	0.7	0.89	0.78	0.89	0.89	0	0.77	0.9	0.64	0.86	0.87	0	0.84	0.87	0.77	0.86	0.86	0.9				
	HV %	0%	8%	4%	6%	5%	4%	0%	4%	4%	1%	4%	4%	0%	1%	2%	2%	2%	2%	0%	1%	1%	2%	1%	3%	3%				
PM Peak Period	Lights	0	81	540	67	688	659	0	84	507	90	681	655	0	89	390	49	528	600	0	66	449	63	578	561	2475	EB	4	18	22
Specified Period	%	0%	98%	99%	96%	99%	97%	0%	99%	97%	99%	97%	99%	0%	98%	99%	98%	99%	99%	0%	100%	99%	98%	99%	99%	99%		18%	82%	
5:00 PM - 6:00 PM	Mediums	0	2	2	1	5	16	0	1	13	0	14	3	0	2	2	1	5	5	0	0	3	1	4	4	28	WB	4	11	15
One Hour Peak	%	0%	2%	0%	1%	1%	2%	0%	1%	2%	0%	2%	0%	0%	2%	1%	2%	1%	1%	0%	0%	1%	2%	1%	1%	1%		27%	73%	
5:00 PM - 6:00 PM	Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NB	3	8	11
	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		27%	73%	
	Bicycles on Road	0	0	2	2	4	3	0	0	3	1	4	2	0	0	1	0	1	2	0	0	0	0	0	2	9	SB	2	15	17
	%	0%	0%	0%	3%	1%	0%	0%	0%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		12%	88%	
	Total	0	83	544	70	697	678	0	85	523	91	699	660	0	91	393	50	534	607	0	66	452	64	582	567	2512		13	52	65
	PHF	0	0.67	0.94	0.88	0.94	0.92	0	0.89	0.92	0.78	0.92	0.94	0	0.95	0.89	0.89	0.9	0.99	0	0.82	0.95	0.84	0.92	0.93	0.99				
	HV %	0%	2%	0%	1%	1%	2%	0%	1%	2%	0%	2%	0%	0%	2%	1%	2%	1%	1%	0%	0%	1%	2%	1%	1%	1%				

Study Name 2_Madison Street & Grove Avenue
 Date Thursday, August 25, 2022

Report Summary

Time Period	Class.	Eastbound				Westbound				Northbound				Southbound				Total	Crosswalk											
		U	L	T	R	I	O	U	L	T	R	I	O	U	L	T	R		I	O	Bicycles on Crosswalk	Pedestrians	Total							
AM Peak Period	Lights	0	19	603	19	641	679	0	22	657	14	693	632	0	6	1	26	33	41	0	3	0	16	19	34	1386	EB	0	1	1
Specified Period	%	0%	95%	95%	100%	95%	96%	0%	100%	96%	100%	97%	95%	0%	100%	100%	96%	97%	100%	0%	100%	0%	100%	100%	97%	96%	0%	100%		
7:30 AM - 8:30 AM	Mediums	0	1	21	0	22	19	0	0	19	0	19	21	0	0	0	0	0	0	0	0	0	0	0	1	41	WB	0	7	7
One Hour Peak	%	0%	5%	3%	0%	3%	3%	0%	0%	3%	0%	3%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	3%	0%	100%		
7:30 AM - 8:30 AM	Articulated Trucks	0	0	9	0	9	5	0	0	5	0	5	10	0	0	0	1	1	0	0	0	0	0	0	0	15	NB	1	10	11
	%	0%	0%	1%	0%	1%	1%	0%	0%	1%	0%	1%	1%	0%	0%	0%	4%	3%	0%	0%	0%	0%	0%	0%	1%	1%	0%	9%	91%	
	Bicycles on Road	0	0	4	0	4	1	0	0	1	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	5	SB	0	15	15
	%	0%	0%	1%	0%	1%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	
	Total	0	20	637	19	676	704	0	22	682	14	718	667	0	6	1	27	34	41	0	3	0	16	19	35	1447		1	33	34
	PHF	0	0.83	0.92	0.48	0.93	0.91	0	0.69	0.91	0.7	0.91	0.92	0	0.38	0.25	0.75	0.71	0.57	0	0.38	0	0.8	0.68	0.88	0.93				
	HV %	0%	5%	5%	0%	5%	3%	0%	0%	4%	0%	3%	5%	0%	0%	0%	4%	3%	0%	0%	0%	0%	0%	0%	3%	4%				
PM Peak Period	Lights	0	22	629	41	692	686	0	29	627	19	675	669	0	16	2	33	51	74	0	7	4	43	54	43	1472	EB	0	2	2
Specified Period	%	0%	100%	98%	98%	98%	97%	0%	100%	97%	90%	97%	98%	0%	100%	100%	100%	100%	97%	0%	100%	80%	100%	98%	96%	98%	0%	100%		
5:00 PM - 6:00 PM	Mediums	0	0	6	1	7	16	0	0	16	0	16	6	0	0	0	0	0	1	0	0	0	0	0	0	23	WB	1	23	24
One Hour Peak	%	0%	0%	1%	2%	1%	2%	0%	0%	2%	0%	2%	1%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	2%	4%	96%		
5:00 PM - 6:00 PM	Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NB	2	16	18
	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	11%	89%	
	Bicycles on Road	0	0	6	0	6	3	0	0	3	2	5	6	0	0	0	0	0	1	0	0	1	0	1	2	12	SB	4	41	45
	%	0%	0%	1%	0%	1%	0%	0%	0%	10%	1%	1%	0%	0%	0%	0%	0%	1%	0%	0%	20%	0%	2%	4%	1%	9%	91%			
	Total	0	22	641	42	705	705	0	29	646	21	696	681	0	16	2	33	51	76	0	7	5	43	55	45	1507		7	82	89
	PHF	0	0.69	0.92	0.55	0.94	0.91	0	0.72	0.91	0.58	0.93	0.96	0	0.67	0.25	0.63	0.64	0.61	0	0.44	0.42	0.77	0.72	0.66	0.96				
	HV %	0%	0%	1%	2%	1%	2%	0%	0%	2%	0%	2%	1%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	2%				

Study Name 3_Madison Street & Carpenter Avenue
 Date Thursday, August 25, 2022

Report Summary

Time Period	Class.	Eastbound					Westbound					Northbound					Crosswalk				
		U	T	R	I	O	U	L	T	I	O	U	L	R	I	O	Total	EB	Bicycles on Crosswalk	Pedestrians	Total
AM Peak Period	Lights	0	623	8	631	670	0	11	668	679	641	0	2	18	20	19	1330	EB	0	0	0
Specified Period	%	0%	95%	100%	95%	96%	0%	100%	96%	96%	95%	0%	100%	100%	100%	100%	96%		0%	0%	
7:30 AM - 8:30 AM	Mediums	0	22	0	22	21	0	0	21	21	22	0	0	0	0	0	43	WB	0	0	0
One Hour Peak	%	0%	3%	0%	3%	3%	0%	0%	3%	3%	3%	0%	0%	0%	0%	0%	3%		0%	0%	
7:30 AM - 8:30 AM	Articulated Trucks	0	10	0	10	4	0	0	4	4	10	0	0	0	0	0	14	NB	2	13	15
	%	0%	2%	0%	2%	1%	0%	0%	1%	1%	1%	0%	0%	0%	0%	0%	1%		13%	87%	
	Bicycles on Road	0	3	0	3	0	0	0	0	3	0	0	0	0	0	0	3		2	13	15
	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%				
	Total	0	658	8	666	695	0	11	693	704	676	0	2	18	20	19	1390				
	PHF	0	0.9	0.5	0.9	0.91	0	0.69	0.92	0.91	0.9	0	0.5	0.64	0.62	0.79	0.94				
	HV %	0%	5%	0%	5%	4%	0%	0%	4%	4%	5%	0%	0%	0%	0%	0%	4%				
PM Peak Period	Lights	0	673	10	683	678	0	17	676	693	685	0	2	12	14	27	1390	EB	0	1	1
Specified Period	%	0%	99%	100%	99%	98%	0%	89%	98%	97%	99%	0%	100%	100%	100%	93%	98%		0%	100%	
5:00 PM - 6:00 PM	Mediums	0	5	0	5	14	0	2	14	16	5	0	0	0	0	2	21	WB	0	1	1
One Hour Peak	%	0%	1%	0%	1%	2%	0%	11%	2%	2%	1%	0%	0%	0%	0%	7%	1%		0%	100%	
5:00 PM - 6:00 PM	Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NB	3	17	20
	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		15%	85%	
	Bicycles on Road	0	4	0	4	3	0	0	3	3	4	0	0	0	0	0	7		3	19	22
	%	0%	1%	0%	1%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%				
	Total	0	682	10	692	695	0	19	693	712	694	0	2	12	14	29	1418				
	PHF	0	0.9	0.62	0.92	0.91	0	0.68	0.91	0.9	0.91	0	0.25	0.5	0.58	0.66	0.98				
	HV %	0%	1%	0%	1%	2%	0%	11%	2%	2%	1%	0%	0%	0%	0%	7%	1%				

Study Name 4_Carpenter Avenue & Carpenter Alley
 Date Thursday, August 25, 2022

Report Summary

Time Period	Class.	Westbound					Northbound					Southbound					Total	WB	Crosswalk		
		U	L	R	I	O	U	T	R	I	O	U	L	T	I	O			Bicycles on Crosswalk	Pedestrians	Total
AM Peak Period	Lights	0	0	0	0	0	0	20	0	20	19	0	0	19	19	20	39	WB	0	2	2
Specified Period	%	0%	0%	0%	0%	0%	0%	100%	0%	100%	100%	0%	0%	100%	100%	100%	100%		0%	100%	
7:30 AM - 8:30 AM	Mediums	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	NB	0	0	0
One Hour Peak	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		0%	0%	
7:30 AM - 8:30 AM	Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SB	0	1	1
	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		0%	100%	
	Bicycles on Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	3	3
	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		0	3	3
	Total	0	0	0	0	0	0	20	0	20	19	0	0	19	19	20	39				
	PHF	0	0	0	0	0	0	0.62	0	0.62	0.79	0	0	0.79	0.79	0.62	0.7				
	HV %	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%				
PM Peak Period	Lights	0	0	0	0	0	0	13	0	13	27	1	0	27	28	14	41	WB	0	5	5
Specified Period	%	0%	0%	0%	0%	0%	0%	100%	0%	100%	96%	100%	0%	96%	93%	93%	93%		0%	100%	
5:00 PM - 6:00 PM	Mediums	0	0	1	1	1	0	0	0	0	1	0	1	1	2	1	3	NB	0	1	1
One Hour Peak	%	0%	0%	100%	100%	100%	0%	0%	0%	0%	4%	0%	100%	4%	7%	7%	7%		0%	100%	
5:00 PM - 6:00 PM	Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SB	0	2	2
	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		0%	100%	
	Bicycles on Road	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	8	8
	%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		0	8	8
	Total	0	0	1	1	1	0	13	0	13	28	1	1	28	30	15	44				
	PHF	0	0	0.25	0.25	0.25	0	0.81	0	0.81	0.78	0.25	0.25	0.78	0.75	0.75	0.79				
	HV %	0%	0%	100%	100%	100%	0%	0%	0%	0%	4%	0%	100%	4%	7%	7%	7%				

























Legend
● Crash Location



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HCM 6th Signalized Intersection Summary
 100: Oak Park Avenue & Madison Street

Existing (2022) Traffic Volumes
 AM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	61	578	33	67	533	78	95	421	59	91	409	86
Future Volume (veh/h)	61	578	33	67	533	78	95	421	59	91	409	86
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.97	1.00		0.99	1.00		0.95	1.00		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1710	1767	1739	1767	1767	1796	1796	1796	1796	1796	1796	1796
Adj Flow Rate, veh/h	68	642	37	74	592	87	106	468	66	101	454	96
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	8	4	6	4	4	2	2	2	2	2	2	2
Cap, veh/h	232	726	584	210	728	622	215	861	121	308	526	434
Arrive On Green	0.04	0.41	0.41	0.05	0.41	0.41	0.05	0.29	0.29	0.06	0.29	0.29
Sat Flow, veh/h	1629	1767	1422	1683	1767	1511	1710	2983	418	1710	1796	1483
Grp Volume(v), veh/h	68	642	37	74	592	87	106	266	268	101	454	96
Grp Sat Flow(s),veh/h/ln	1629	1767	1422	1683	1767	1511	1710	1706	1695	1710	1796	1483
Q Serve(g_s), s	2.2	30.9	1.4	2.3	27.2	3.3	4.0	12.1	12.3	3.8	22.0	4.5
Cycle Q Clear(g_c), s	2.2	30.9	1.4	2.3	27.2	3.3	4.0	12.1	12.3	3.8	22.0	4.5
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.25	1.00		1.00
Lane Grp Cap(c), veh/h	232	726	584	210	728	622	215	492	489	308	526	434
V/C Ratio(X)	0.29	0.88	0.06	0.35	0.81	0.14	0.49	0.54	0.55	0.33	0.86	0.22
Avail Cap(c_a), veh/h	248	1029	828	223	1029	880	215	628	624	388	753	621
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	18.6	25.1	16.4	20.0	23.9	16.9	24.0	27.5	27.6	21.7	30.7	24.6
Incr Delay (d2), s/veh	0.7	6.9	0.0	1.0	3.5	0.1	1.7	0.9	1.0	0.6	7.3	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	13.9	0.5	0.9	11.7	1.2	1.7	5.0	5.1	1.5	10.4	1.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	19.3	32.0	16.4	21.0	27.3	17.0	25.8	28.5	28.6	22.3	38.1	24.8
LnGrp LOS	B	C	B	C	C	B	C	C	C	C	D	C
Approach Vol, veh/h		747			753			640			651	
Approach Delay, s/veh		30.0			25.5			28.1			33.7	
Approach LOS		C			C			C			C	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	9.9	31.0	8.7	42.2	9.5	31.4	8.6	42.3				
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5				
Max Green Setting (Gmax), s	9.7	33.8	5.0	53.5	5.0	38.5	5.0	53.5				
Max Q Clear Time (g_c+I1), s	5.8	14.3	4.3	32.9	6.0	24.0	4.2	29.2				
Green Ext Time (p_c), s	0.1	3.3	0.0	4.8	0.0	2.9	0.0	4.8				
Intersection Summary												
HCM 6th Ctrl Delay				29.2								
HCM 6th LOS				C								

HCM 6th TWSC
200: S Grove Avenue & Madison Street

Existing (2022) Traffic Volumes
AM Peak Hour

Intersection												
Int Delay, s/veh	0.9											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗		↖	↗			↕			↕	
Traffic Vol, veh/h	20	642	19	22	678	14	6	1	27	3	1	16
Future Vol, veh/h	20	642	19	22	678	14	6	1	27	3	1	16
Conflicting Peds, #/hr	15	0	10	10	0	15	1	0	7	7	0	1
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	50	-	-	50	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	1	-	-	1	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	93	93	93	93	93	93	93	93	93	93	93	93
Heavy Vehicles, %	5	5	2	2	4	2	2	2	4	2	2	2
Mvmt Flow	22	690	20	24	729	15	6	1	29	3	1	17

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	759	0	0	720	0	0	1549	1561	717	1566	1564	753
Stage 1	-	-	-	-	-	-	754	754	-	800	800	-
Stage 2	-	-	-	-	-	-	795	807	-	766	764	-
Critical Hdwy	4.15	-	-	4.12	-	-	7.12	6.52	6.24	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.245	-	-	2.218	-	-	3.518	4.018	3.336	3.518	4.018	3.318
Pot Cap-1 Maneuver	839	-	-	882	-	-	93	112	426	90	112	410
Stage 1	-	-	-	-	-	-	401	417	-	379	397	-
Stage 2	-	-	-	-	-	-	381	394	-	395	413	-
Platoon blocked, %		-	-	-	-	-						
Mov Cap-1 Maneuver	827	-	-	874	-	-	84	103	420	79	103	404
Mov Cap-2 Maneuver	-	-	-	-	-	-	201	219	-	194	219	-
Stage 1	-	-	-	-	-	-	387	402	-	363	381	-
Stage 2	-	-	-	-	-	-	354	378	-	355	398	-

Approach	EB		WB		NB		SB	
HCM Control Delay, s	0.3		0.3		16.7		16.5	
HCM LOS					C		C	

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	344	827	-	-	874	-	-	335
HCM Lane V/C Ratio	0.106	0.026	-	-	0.027	-	-	0.064
HCM Control Delay (s)	16.7	9.5	-	-	9.2	-	-	16.5
HCM Lane LOS	C	A	-	-	A	-	-	C
HCM 95th %tile Q(veh)	0.4	0.1	-	-	0.1	-	-	0.2

Intersection						
Int Delay, s/veh	0.3					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↔		↔	↑	↔	
Traffic Vol, veh/h	663	8	11	689	2	18
Future Vol, veh/h	663	8	11	689	2	18
Conflicting Peds, #/hr	0	13	13	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	50	-	0	-
Veh in Median Storage, #	0	-	-	0	1	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	94	94	94	94	94	94
Heavy Vehicles, %	5	2	2	4	2	2
Mvmt Flow	705	9	12	733	2	19

Major/Minor	Major1	Major2	Minor1		
Conflicting Flow All	0	0	727	0	1480 723
Stage 1	-	-	-	-	723 -
Stage 2	-	-	-	-	757 -
Critical Hdwy	-	-	4.12	-	6.42 6.22
Critical Hdwy Stg 1	-	-	-	-	5.42 -
Critical Hdwy Stg 2	-	-	-	-	5.42 -
Follow-up Hdwy	-	-	2.218	-	3.518 3.318
Pot Cap-1 Maneuver	-	-	876	-	138 426
Stage 1	-	-	-	-	481 -
Stage 2	-	-	-	-	463 -
Platoon blocked, %	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	865	-	134 421
Mov Cap-2 Maneuver	-	-	-	-	274 -
Stage 1	-	-	-	-	475 -
Stage 2	-	-	-	-	457 -

Approach	EB	WB	NB
HCM Control Delay, s	0	0.1	14.5
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	400	-	-	865	-
HCM Lane V/C Ratio	0.053	-	-	0.014	-
HCM Control Delay (s)	14.5	-	-	9.2	-
HCM Lane LOS	B	-	-	A	-
HCM 95th %tile Q(veh)	0.2	-	-	0	-

Intersection						
Int Delay, s/veh	0.6					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	1	1	20	1	1	19
Future Vol, veh/h	1	1	20	1	1	19
Conflicting Peds, #/hr	0	1	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	70	70	70	70	70	70
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	1	1	29	1	1	27

























Major/Minor	Minor1	Major1	Major2			
Conflicting Flow All	59	31	0	0	30	0
Stage 1	30	-	-	-	-	-
Stage 2	29	-	-	-	-	-
Critical Hdwy	6.42	6.22	-	-	4.12	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	-	-	2.218	-
Pot Cap-1 Maneuver	948	1043	-	-	1583	-
Stage 1	993	-	-	-	-	-
Stage 2	994	-	-	-	-	-
Platoon blocked, %			-	-	-	-
Mov Cap-1 Maneuver	947	1042	-	-	1583	-
Mov Cap-2 Maneuver	947	-	-	-	-	-
Stage 1	993	-	-	-	-	-
Stage 2	993	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	8.6	0	0.4
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	992	1583
HCM Lane V/C Ratio	-	-	0.003	0.001
HCM Control Delay (s)	-	-	8.6	7.3
HCM Lane LOS	-	-	A	A
HCM 95th %tile Q(veh)	-	-	0	0

HCM 6th Signalized Intersection Summary
 100: Oak Park Avenue & Madison Street

Existing (2022) Traffic Volumes
 PM Peak Hour

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	83	544	70	85	523	91	91	393	50	66	452	64
Future Volume (veh/h)	83	544	70	85	523	91	91	393	50	66	452	64
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		0.96	1.00		0.97	1.00		0.95	0.99		0.97
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1796	1796	1796	1796	1796	1796	1796	1796	1796	1796	1796	1796
Adj Flow Rate, veh/h	84	549	71	86	528	92	92	397	51	67	457	65
Peak Hour Factor	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	255	647	525	243	648	535	241	939	120	358	547	450
Arrive On Green	0.05	0.36	0.36	0.05	0.36	0.36	0.05	0.31	0.31	0.05	0.30	0.30
Sat Flow, veh/h	1710	1796	1457	1710	1796	1482	1710	3023	385	1710	1796	1477
Grp Volume(v), veh/h	84	549	71	86	528	92	92	223	225	67	457	65
Grp Sat Flow(s),veh/h/ln	1710	1796	1457	1710	1796	1482	1710	1706	1703	1710	1796	1477
Q Serve(g_s), s	2.4	22.4	2.6	2.5	21.1	3.4	2.9	8.2	8.4	2.1	18.8	2.5
Cycle Q Clear(g_c), s	2.4	22.4	2.6	2.5	21.1	3.4	2.9	8.2	8.4	2.1	18.8	2.5
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.23	1.00		1.00
Lane Grp Cap(c), veh/h	255	647	525	243	648	535	241	530	529	358	547	450
V/C Ratio(X)	0.33	0.85	0.14	0.35	0.81	0.17	0.38	0.42	0.43	0.19	0.84	0.14
Avail Cap(c_a), veh/h	271	1097	890	259	1097	905	257	915	914	402	982	807
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	17.5	23.4	17.1	17.9	23.0	17.3	19.7	21.7	21.7	17.7	25.8	20.1
Incr Delay (d2), s/veh	0.8	3.2	0.1	0.9	2.6	0.2	1.0	0.5	0.5	0.3	3.5	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.0	9.6	0.9	1.0	9.0	1.1	1.2	3.3	3.3	0.8	8.3	0.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	18.3	26.6	17.2	18.8	25.5	17.4	20.7	22.2	22.3	18.0	29.2	20.2
LnGrp LOS	B	C	B	B	C	B	C	C	C	B	C	C
Approach Vol, veh/h		704			706			540			589	
Approach Delay, s/veh		24.7			23.6			22.0			26.9	
Approach LOS		C			C			C			C	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	8.4	29.2	8.7	33.1	8.8	28.7	8.7	33.2				
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5				
Max Green Setting (Gmax), s	5.9	42.6	5.0	48.5	5.1	43.4	5.0	48.5				
Max Q Clear Time (g_c+I1), s	4.1	10.4	4.5	24.4	4.9	20.8	4.4	23.1				
Green Ext Time (p_c), s	0.0	3.1	0.0	4.3	0.0	3.3	0.0	4.2				
Intersection Summary												
HCM 6th Ctrl Delay			24.3									
HCM 6th LOS			C									

Intersection												
Int Delay, s/veh	1.7											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗		↖	↗			↕			↕	
Traffic Vol, veh/h	22	657	42	29	628	21	16	2	33	7	5	43
Future Vol, veh/h	22	657	42	29	628	21	16	2	33	7	5	43
Conflicting Peds, #/hr	41	0	16	16	0	41	2	0	23	23	0	2
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	50	-	-	50	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	1	-	-	1	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	96	96	96	96	96	96	96	96	96	96	96	96
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	23	684	44	30	654	22	17	2	34	7	5	45

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	717	0	0	744	0	0	1520	1545	745	1559	1556	708
Stage 1	-	-	-	-	-	-	768	768	-	766	766	-
Stage 2	-	-	-	-	-	-	752	777	-	793	790	-
Critical Hdwy	4.12	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.318
Pot Cap-1 Maneuver	884	-	-	864	-	-	97	115	414	91	113	435
Stage 1	-	-	-	-	-	-	394	411	-	395	412	-
Stage 2	-	-	-	-	-	-	402	407	-	382	402	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	849	-	-	851	-	-	80	102	401	74	100	417
Mov Cap-2 Maneuver	-	-	-	-	-	-	194	217	-	185	214	-
Stage 1	-	-	-	-	-	-	377	394	-	369	382	-
Stage 2	-	-	-	-	-	-	341	377	-	332	385	-

Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.3			0.4			20			18		
HCM LOS							C			C		

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	293	849	-	-	851	-	-	335
HCM Lane V/C Ratio	0.181	0.027	-	-	0.035	-	-	0.171
HCM Control Delay (s)	20	9.4	-	-	9.4	-	-	18
HCM Lane LOS	C	A	-	-	A	-	-	C
HCM 95th %tile Q(veh)	0.7	0.1	-	-	0.1	-	-	0.6

Intersection						
Int Delay, s/veh	0.2					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	709	10	11	668	2	12
Future Vol, veh/h	709	10	11	668	2	12
Conflicting Peds, #/hr	0	17	17	0	1	1
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	50	-	0	-
Veh in Median Storage, #	0	-	-	0	1	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	98	98	98	98	98	98
Heavy Vehicles, %	2	2	11	2	2	2
Mvmt Flow	723	10	11	682	2	12

Major/Minor	Major1	Major2	Minor1	Minor2	Minor3
Conflicting Flow All	0	0	750	0	1450
Stage 1	-	-	-	-	745
Stage 2	-	-	-	-	705
Critical Hdwy	-	-	4.21	-	6.42
Critical Hdwy Stg 1	-	-	-	-	5.42
Critical Hdwy Stg 2	-	-	-	-	5.42
Follow-up Hdwy	-	-	2.299	-	3.518
Pot Cap-1 Maneuver	-	-	820	-	144
Stage 1	-	-	-	-	469
Stage 2	-	-	-	-	490
Platoon blocked, %	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	807	-	140
Mov Cap-2 Maneuver	-	-	-	-	279
Stage 1	-	-	-	-	461
Stage 2	-	-	-	-	483

Approach	EB	WB	NB
HCM Control Delay, s	0	0.2	14.8
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	381	-	-	807	-
HCM Lane V/C Ratio	0.037	-	-	0.014	-
HCM Control Delay (s)	14.8	-	-	9.5	-
HCM Lane LOS	B	-	-	A	-
HCM 95th %tile Q(veh)	0.1	-	-	0	-

Intersection						
Int Delay, s/veh	0.6					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	1	1	13	1	1	28
Future Vol, veh/h	1	1	13	1	1	28
Conflicting Peds, #/hr	1	2	0	5	5	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	79	79	79	79	79	79
Heavy Vehicles, %	2	100	2	2	100	4
Mvmt Flow	1	1	16	1	1	35

Major/Minor	Minor1	Major1	Major2			
Conflicting Flow All	60	24	0	0	22	0
Stage 1	22	-	-	-	-	-
Stage 2	38	-	-	-	-	-
Critical Hdwy	6.42	7.2	-	-	5.1	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	4.2	-	-	3.1	-
Pot Cap-1 Maneuver	947	828	-	-	1136	-
Stage 1	1001	-	-	-	-	-
Stage 2	984	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	940	822	-	-	1131	-
Mov Cap-2 Maneuver	940	-	-	-	-	-
Stage 1	996	-	-	-	-	-
Stage 2	982	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	9.1	0	0.3
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	877	1131
HCM Lane V/C Ratio	-	-	0.003	0.001
HCM Control Delay (s)	-	-	9.1	8.2
HCM Lane LOS	-	-	A	A
HCM 95th %tile Q(veh)	-	-	0	0

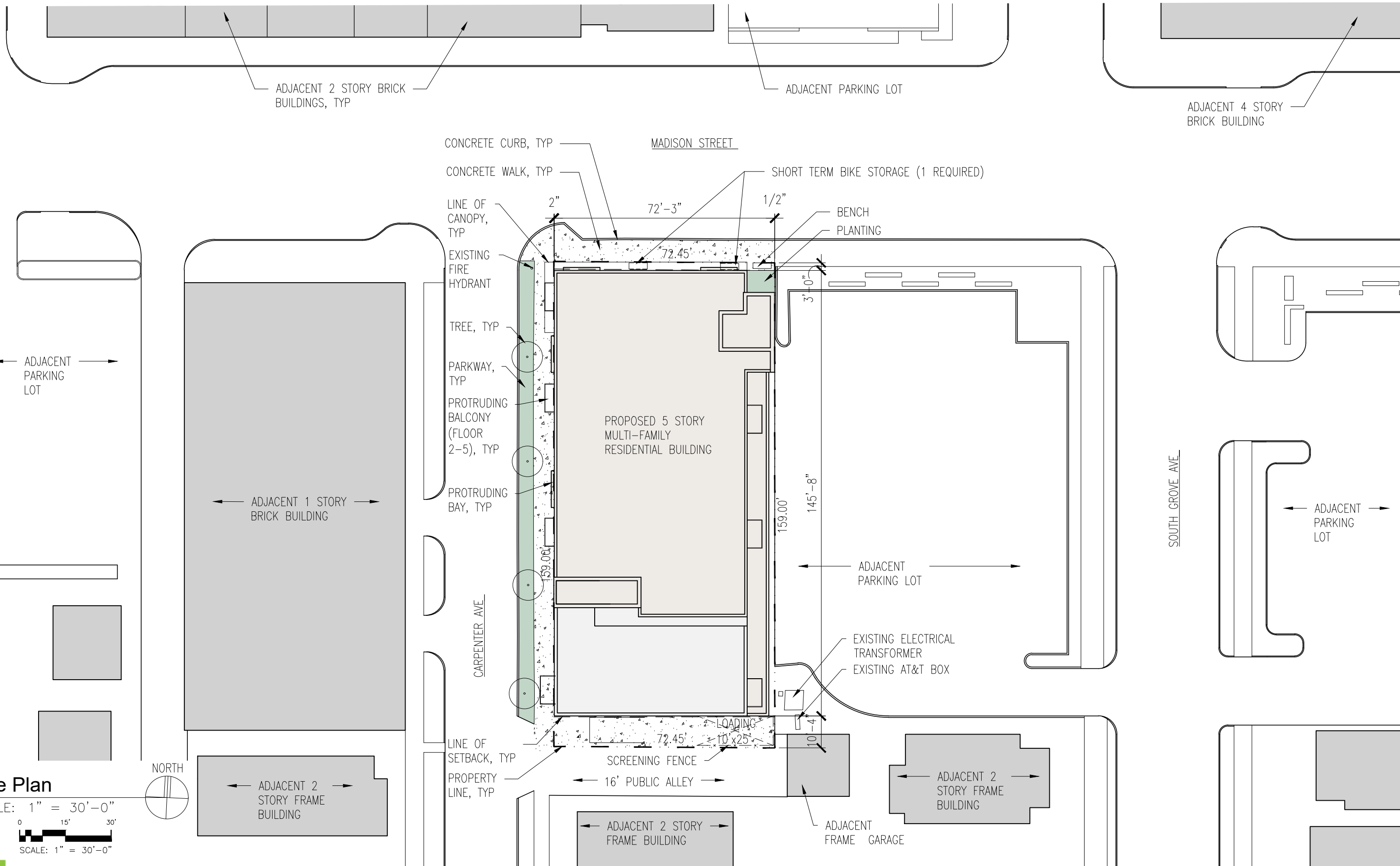
Application Item 7.a – Parking Impact Study

Application Item 7.b

Parking Study

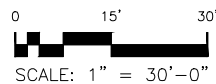
The Applicant and the Developer respectfully request a waiver for this application requirement on the basis that the proposed development is not asking for any density relief and the number of required off-street parking spaces is compliant with the zoning requirements.

Application Item 8.a – Site Plan



Site Plan

SCALE: 1" = 30'-0"



SCALE: 1" = 30'-0"



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773.327.1000

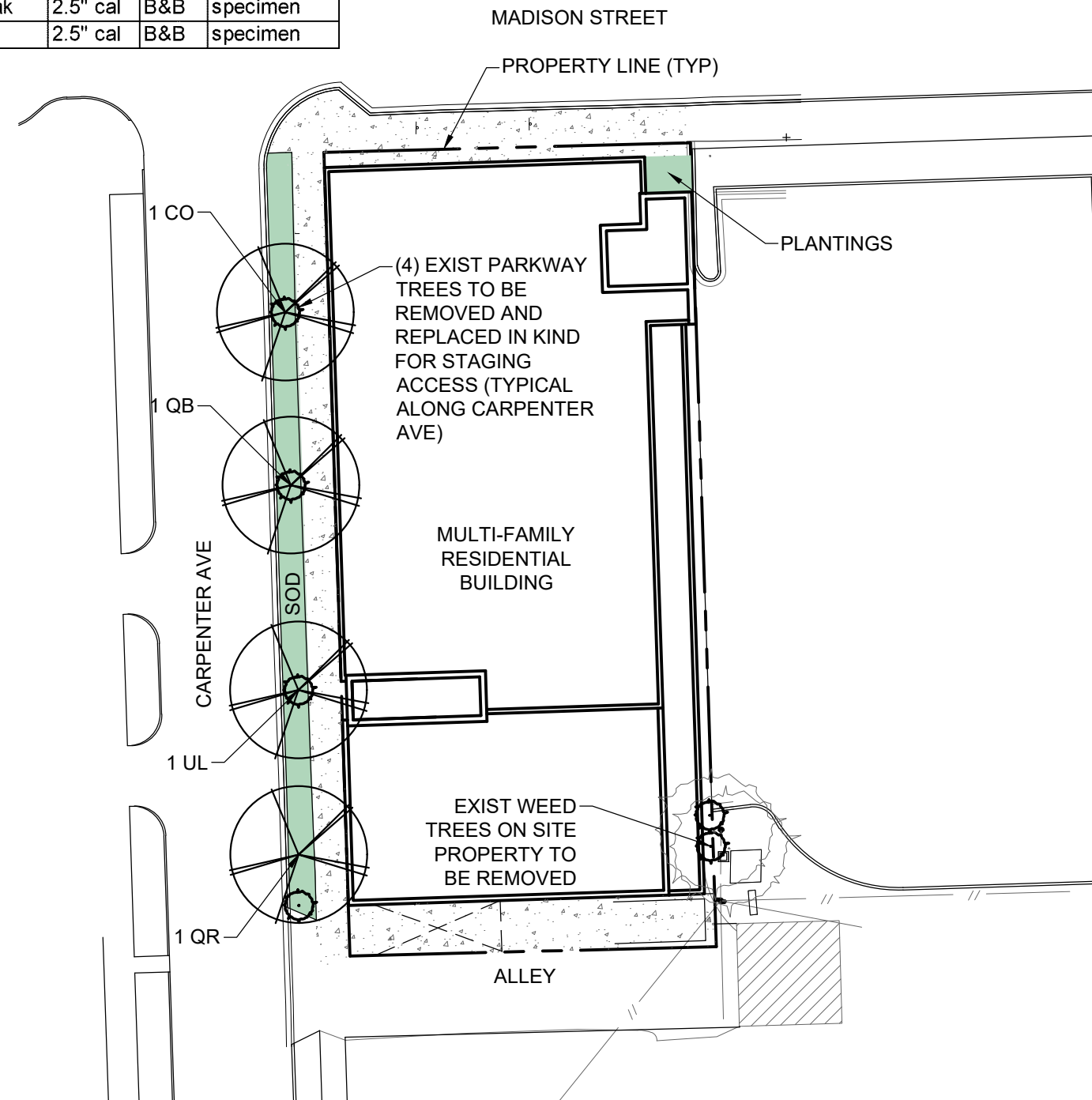
9/13/2022
Planned Development Submittal

Oak Park Commons
839 Madison Street
Oak Park, Illinois 60302

Site Plan
PD0.1

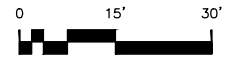
Application Item 8.b – Landscape Plan

Plant Schedule						
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
Shade Trees						
CO	1	Celtis occidentalis	Common Hackberry	2.5" cal	B&B	specimen
QB	1	Quercus bicolor	Swamp White Oak	2.5" cal	B&B	specimen
QR	1	Quercus rubra	Northern Red Oak	2.5" cal	B&B	specimen
UL	1	Ulmus 'Morton Glossy'	Triumph Elm	2.5" cal	B&B	specimen



Landscape Plan

SCALE: 1" = 30'-0"



SCALE: 1" = 30'-0"



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FOSTER DALE ARCHITECTS



9/13/2022
Planned Development Submittal



EXISTING WEED TREES AT SE PROPERTY CORNER



EXISTING WEED TREES INTERTWINED WITH FENCE TO BE REMOVED

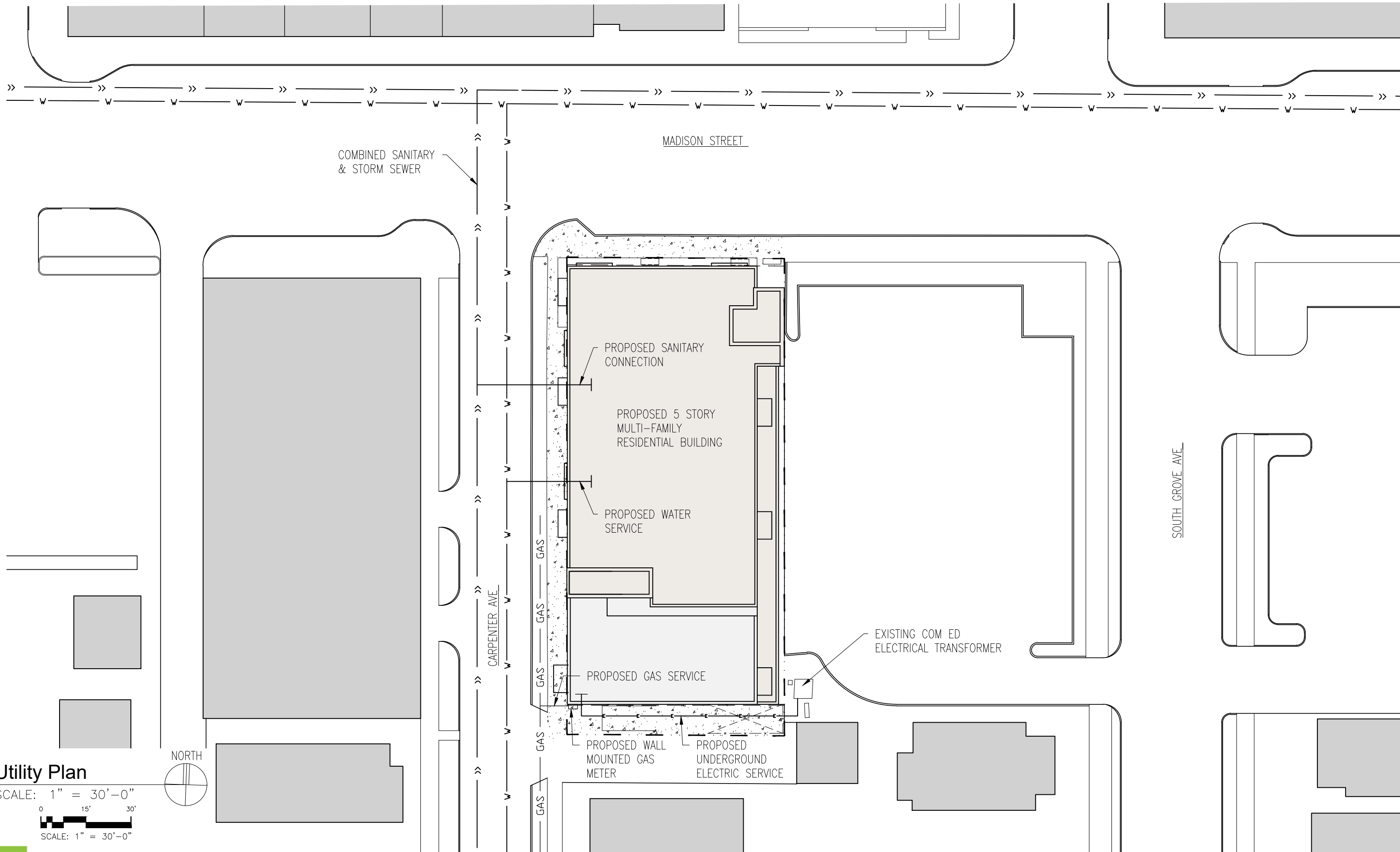


EXISTING CARPENTER AVENUE PARKWAY

Oak Park Commons
Cohousing
839 Madison Street
Oak Park, Illinois 60302

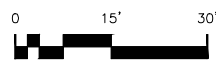
Landscape Plan
L1.1

Application Item 8.c – Engineering Utility Plan



Utility Plan

SCALE: 1" = 30'-0"



SCALE: 1" = 30'-0"



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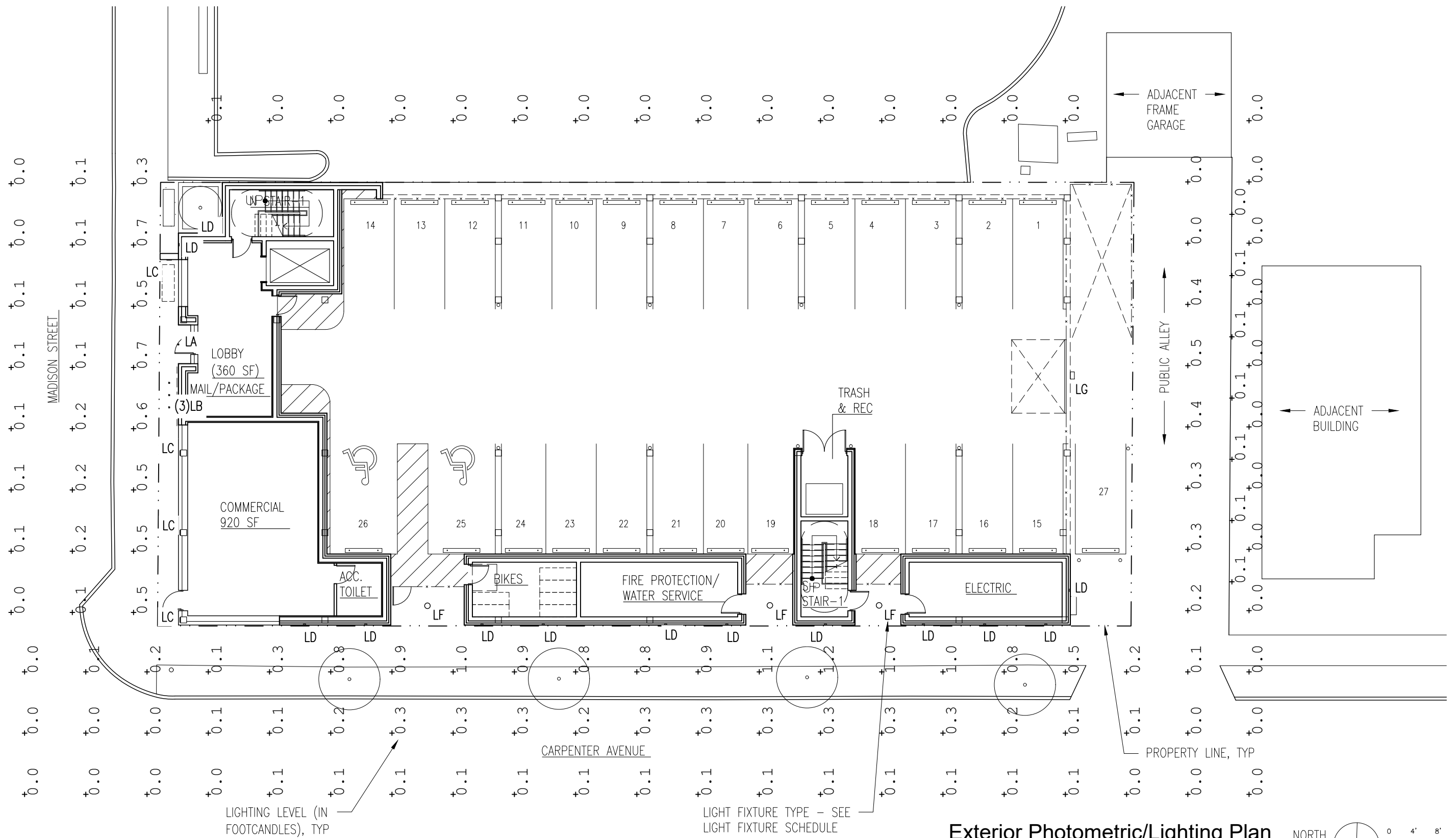
9/13/2022
 Planned Development Submittal

Oak Park Commons
 839 Madison Street
 Oak Park, Illinois 60302

Utility Plan

PD0.2

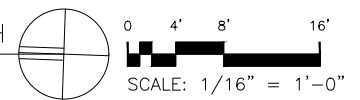
Application Item 8.d – Exterior Lighting Plan



Exterior Photometric/Lighting Plan

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

NORTH

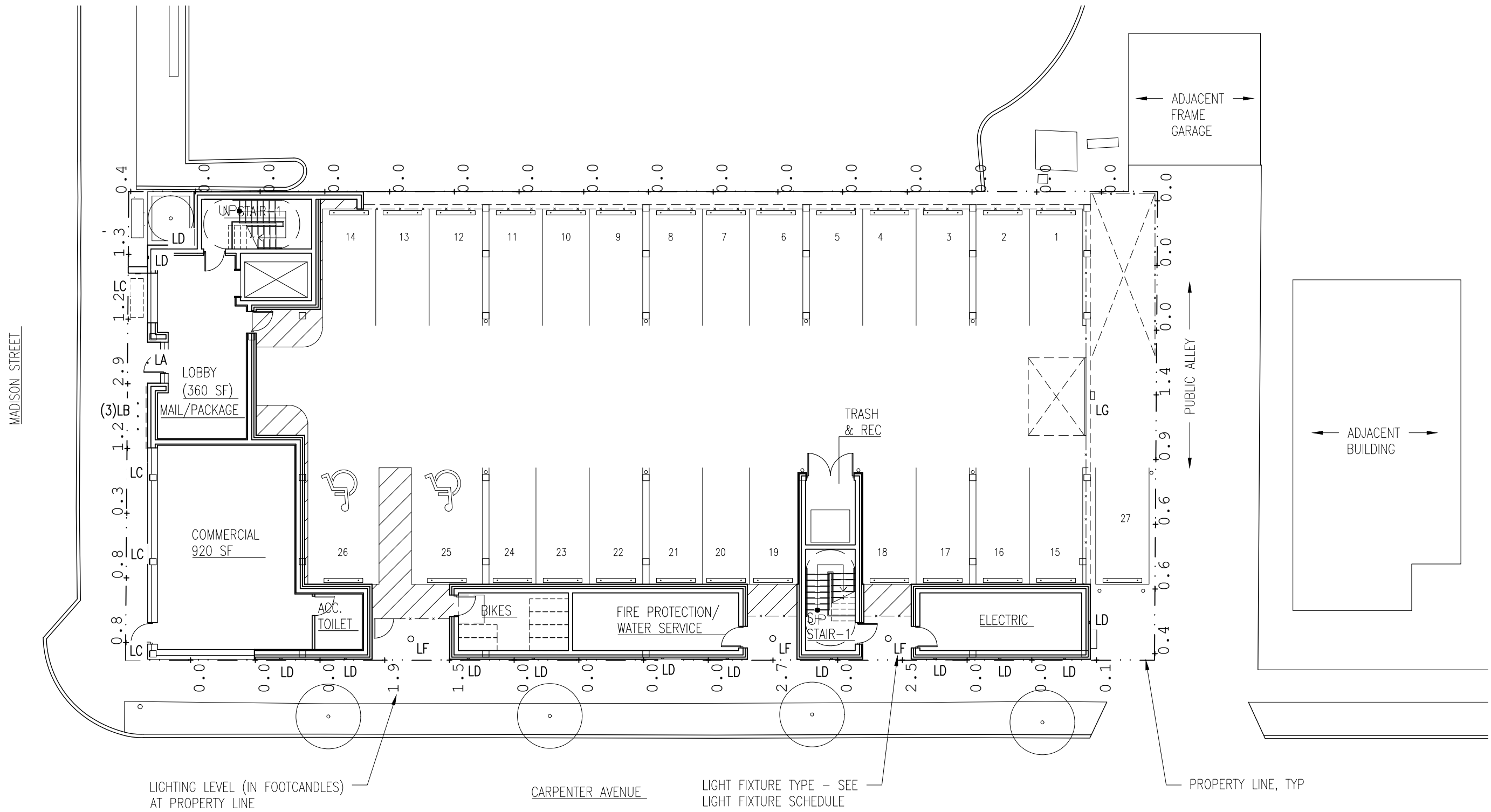


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Planned Development Submittal

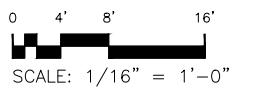
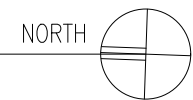
Oak Park Commons
839 Madison Street
Oak Park, Illinois 60302

Exterior Lighting Plan
EL1.1



Exterior Photometric/Lighting Levels at Property Line

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



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9/13/2022
Planned Development Submittal

Oak Park Commons
839 Madison Street
Oak Park, Illinois 60302

Exterior Lighting Plan
EL1.2

OAK PARK COMMONS - EXTERIOR LIGHTING

8-26-22

1. Memo - Variance Request
2. Lighting Fixture Schedule
3. Lighting Fixture Information Sheets with photometric information
TYPES: LA, LB, LC, LD, LF, LG



3717 North Ravenswood Suite 111
Chicago, Illinois 60613
773.327.1000

Oak Park Commons
839 Madison Street
Oak Park, Illinois 60302

MEMORANDUM

From: Maureen Mahr Lighting Design
Date: August 26, 2022
Re: Oak Park Commons
Request for Zoning Ordinance Variance: light levels

We are seeking an exemption from:

9.2 Exterior Lighting

B. Maximum Lighting Regulations

1. The maximum allowable footcandle at any lot line is one footcandle.

The lot lines in question occur at Madison Steet, Carpenter Avenue, and the alley adjacent to the south property line because the building is close to the lot line.

The submitted photometric plan shows light levels in excess of 1.0 fc at several discreet locations along these lot lines. All calculations are provided without Light Loss Factors (LLF) applied, meaning these are Day 1 values and will reduce over time due to lumen depreciation and dirt depreciation that occurs with all exterior lighting fixtures.

Madison Avenue: Max: 2.9 fc at under canopy at main lobby entrance

Carpenter Avenue: Max: 2.7 fc at openings to the parking garage

Alley: Max. 1.4 fc at garage driveway

We seek this exemption because lighting of the entrances/exits is important to the safety of the building occupants.

All light sources are low-lumen, low glare, and mounted along the ground level of the building to light the areas at ground level.

Due to the nature of our project site, we think that the Spillover Light requirement is more applicable to our site and we meet this requirement:

5.4 RR DISTRICT DIMENSIONAL AND DESIGN STANDARDS

N. Site Development Regulations

1. Outdoor Lighting Standards

The outdoor lighting standards of this section are intended to protect the public health and general welfare by controlling the adverse impacts of glare and light trespass associated with poorly shielded or inappropriately directed lighting fixtures.

e. Spillover Light

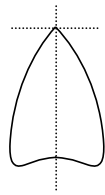
Spillover light onto residential-zoned property may not exceed two lux [0.2fc], measured at grade along the lot line.

TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMPING	LAMP WATTAGE	VOLTAGE	LOCATION/NOTES
LA	LED downlight with wide flood distribution, nominal 2 in. square aperture, IK10 impact resistant construction with 1/4" polycarbonate lens, semi-specular finish self-flanged reflector, 90CRI, integral dimming driver, tamper resistant hardware, U.L. listed for wet locations	GOTHAM	EVO2SQVR-30/05-LTF-WD-MVOLT-UGZ-90CRI-PLATING	3000K white LEDs 500 lumens, Integral	6	Per E.E.	Canopy - Recessed Plated metal finish trim color per Architect. Fixture accommodates a max ceiling thickness of 2.75". Fixture installs from below and requires a min. 7.25" plenum height clearance.
LB	LED adjustable downlight with flood distribution, nominal 2 in. square aperture, IK10 impact resistant construction with 1/4" polycarbonate lens, semi-specular finish self-flanged reflector, 90CRI, integral dimming driver, tamper resistant hardware, U.L. listed for wet locations	GOTHAM	ICO2SQVRADJ-30/02-LTF-40D-MVOLT-UGZ-90CRI-PLATING	3000K white LEDs 250 lumens, Integral	4	Per E.E.	Canopy - Recessed Plated metal finish trim color per Architect. Fixture accommodates a max ceiling thickness of 2.75". Fixture installs from below and requires a min. 7.25" plenum height clearance.
LC	LED ADA-compliant wall mount, 10 in. height, 5 in. width, one-piece die-cast marine-grade aluminum housing and frame, white glass lens with molded silicone rubber gasket, polyester powdercoat finish, integral electronic LED driver, IP 65 rated	BEGA	33604-K3-FINISH	3000K White LEDs 300 lumens, Integral	6	Per E.E.	Wall - Surface Standard finish per Architect.
LD	LED wall light, 5 in. height, 5 in. width, one-piece die-cast marine-grade aluminum housing and frame, white safety glass lens with molded silicone rubber gasket, polyester powdercoat finish, integral electronic LED driver, IP 65 rated	BEGA	33296-K3-FINISH	3000K White LEDs 331 lumens, Integral integral	5	Per E.E.	Wall - Recessed Standard finish per Architect.
LF	LED ceiling light, 11 in. dia., marine-grade aluminum housing, white high density polyethylene diffuser, high temperature silicone rubber gasket, polyester powdercoat finish, integral electronic LED driver, IP 65 rated	BEGA	24225-K3-FINISH	3000K White LEDs 879 lumens, Integral	10	Per E.E.	Ceiling - Surface Standard finish per Architect.
LG	LED area light, Type II distribution, nominal 10 in. X 14 in. profile, 7 in. height, two-piece die-cast aluminum housing with integral heat sink fins, precision-molded acrylic lenses, zinc-infused super durable TG/C thermoset powder coat finish, integral electronic driver, IP65 rated	LITHONIA	DSXW1LED-10C-350-30K-T2M-MVOLT-XX	3000K White LEDs 1,349 lumens, Integral	13	Per E.E.	Wall mounted Finish per Architect. E.C. to coordinate required mounting brackets/ backbox.

General Notes

- All fixture substitutions must be submitted prior to bid date to Architect and Lighting Consultant for approval.
- Submittals shall include both lighting fixture information and lamp information.
- Verify ceiling compatibility, mounting conditions, clearances and structural systems prior to ordering fixtures.
- "xxx" indicates information to be supplied by Contractor.
- Refer to Electrical Engineer's Drawings for further electrical requirements.
- LED lamp life is defined as the point when luminous flux drops below 70% of its original output. The LEDs will not stop working at this point, but will slowly continue to degrade.
- E.C. shall coordinate driver compatibility with lighting control method.

TYPE LA



General Illumination Square Vandal/Tamper Resistant Downlight **2"**



OAK PARK COMMONS
TYPE LA

OVERVIEW

Feature Set

- Batwing distribution with feathered edges provides even illumination on horizontal and vertical surfaces
- Field interchangeable optic
- Fully serviceable and upgradeable lensed LED light engine
- 70% lumen maintenance at 60,000 hours
- 2.5 SDCM; 85 CRI typical, 90+ CRI optional
- IP66 rated room-side, fixtures are wet location, covered ceiling
- ENERGY STAR® Certified product
- IK10 impact resistant construction with 1/4" polycarbonate lens
- Tamper resistant design
- Ultra-shallow profile
- Available with painted or plated finishes

Distribution



Superior Performance

Nominal lumens	250	500	750	1000	1500	2000
Delivered	189	385	571	764	1095	1492
Wattage	3.1	5.8	8.9	11.7	19.5	29.1
Efficacy	61	66	64	65	56	51

*Based on 3500K 80CRI MWD

COMPLEMENTARY PRODUCTS

Coordinated Apertures | Multiple Layers of Light



General Illumination Layer | EVO



High Center Beam Layer | Incito



EVO + Incito — Multiple Layers of Light

Core								
	Downlight	Adjustable	Open Wallwash	Lensed Wallwash	Cylinder	Pinhole	Bevel	Hyperbolic
Healthcare								
	MRI	Surgical Suite	Patient Room					
Special Applications								
	Dynamic	Food Service	Vandal/Tamper	Clean Room	Shower	Steam Room		

A+ Capable options indicated by this color background.

PS Design2Ship Quick Ship Program: Options in green text qualify for Design2Ship — 5 business days from order entry to ship. Refer to Design2Ship Brochure for complete program details. **Maximum Order Quantity: 50 units.**

Luminaire Type:

Catalog Number:

EXAMPLE: EVO2SQVR 35/20 SOL AR LSS ND MVOLT UGZ DWHG

Series	Color Temperature	Lumens	Lensing	Distribution	Voltage
EVO2SQVR EVO 2in Square Vandal/Tamper Resistant Downlight	27/ 2700 K	02 250 lumens	SOL Solite pattern lens	ND Narrow (0.8 s/mh)	MVOLT 120V - 277V
	30/ 3000 K	05 500 lumens	LTF Light frost lens	MWD Medium Wide (1.0 s/mh)	120 120V
	35/ 3500 K	07 750 lumens	SMO Clear	WD Wide (1.2 s/mh)	277 277V
	40/ 4000 K	10 1000 lumens			
	50/1 5000 K	15 1500 lumens			
		20 2000 lumens			

Driver	Control Interface ⁴	Options	Architectural Colors
UGZ ² Universal dimming to 1% (0-10V, 120V TRIAC or ELV)	(blank)	90CRI ¹ High CRI (90+)	Powder Paint
ECOD ³ Lutron® EcoSystem® digital Hi-Lume <1% soft-on, fade to black. Min: 500LM; Max: 1500LM	NLT nLight® dimming pack.	NCH ⁶ Structural reinforcement pan	DDB Gloss Dark bronze
	NLTER ⁵ nLight® dimming pack for fixtures on emergency circuit	ICAT ⁷ IC/Airtight housing construction	DBL Gloss Black
	NLTAIR2 nLight® AIR dimming pack.	CP ⁷ Chicago Plenum	DWH Gloss White
	NLTAIRER2 ⁵ nLight® AIR dimming pack for fixtures on emergency circuit	HAO ⁸ High ambient (40°C)	DMB Gloss Medium Bronze
	NLTAIREM2 nLight® AIR dimming pack for fixtures on emergency circuit	N80 ⁹ nLight Lumen Compensation	DNA Gloss Natural Aluminum
			DWHG Textured White
			Plating
			GMG Gun Metal Gray
			ORB Oil-rubbed Bronze
			SNKL Satin Nickel

ACCESSORIES — order as separate catalog numbers (shipped separately)

SDT 347/120 75VA 347V/120V, 75VA step down transformer. Must be remote mounted.

ORDERING NOTES

- 5000K CCT not available with 90CRI
- Refer to [Tech 240](#) for compatible dimmers.
- Not available with Control Interfaces (nLight). Not compatible with spray foam with 1000LM, 1500LM, or 2000LM options.
- Field installed. Access required to location of remote mounted device
- ER for use with generator supply power. Will require an emergency hot feed and normal hot feed.
- NCH is required for T-grid ceilings or where code requires.
- Not available with 1500lm or 2000lm
- Not available with 2000lm
- Requires NLT or NLTER.

Optical and Trim Assembly

Fully serviceable and upgradeable lensed LED light engine suitable for field maintenance or service from below the ceiling. Superior 100% Virgin-silicone refractive optic, enables maximum dimensional stability and optical transmission with no discoloration over life. Field inter-changeable optics.

Electrical

The luminaire shall operate from a 50 or 60 Hz ±3 Hz AC line over a voltage ranging from 120 VAC to 277 VAC. Support 347V via remote-mounted stepdown transformer. The fluctuations of line voltage shall have no visible effect on the luminous output. The luminaire shall have a power factor of 90% or greater at all standard operating voltages and full luminaire output. Sound Rated A+. Driver shall be >80% efficient at full load across all input voltages.

Controls

Luminaire shall be equipped with interface for nLight wired or nLight AIR networks with integral power supply as per specification.

Dimming

The luminaire shall be capable of continuous dimming without perceivable stroboscopic flicker as measured by flicker index (ANSI/IES RP-16-10) over a range of 100 – 1.0% of rated lumen output with a smooth shut off function to step to 0%. Driver is inaudible in 24dB environment, and stable when input voltage conditions fluctuate over what is typically experienced in a commercial environment.

Construction

Light engine and driver are accessible from below ceiling. Several additional mounting options available including a structural reinforcement pan, Chicago plenum, and Type IC. Anodized extruded aluminum wiring compartment with hinged access. With two 1/2" trade-sized knockouts rated for 90°C. Accommodates between 3/8" to 2-3/4"-thick ceilings.

Listings

Fixtures are UL Certified to meet US and Canadian Standards: All fixtures manufactured in strict accordance with the appropriate and current requirements of the "Standards for Safety" to UL, wet location covered ceiling. ENERGY STAR® Certified product. IC rated with ICAT option. Fixtures with ICAT option are compatible with spray foam insulation with an R-value of 4.3 per inch or less. Luminaire configurations are Energy Star certified through testing in EPA-recognized laboratories, with the results reviewed by an independent, accredited certification organization. Visit www.energystar.gov for specific configurations listed

Buy American

This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/buy-american for additional information.

Photometrics

LEDs tested to LM-80 standards. Measured by IESNA Standard LM-79-08 in an accredited lab. Lumen output shall not decrease by more than 30% over the minimum operational life of 60,000 hours. Color appearance from luminaire to luminaire of the same type and in all configurations, shall be consistent both initially and at 6,000 hours and operate within a tolerance of <2.5 MacAdam ellipse as defined by the center of the quadrangles defined in ANSI C78.377-2015.

Warranty

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

Note:

Actual performance may differ as a result of end user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C.

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight® control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

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

*See ordering tree for details

Lumen Output Multiplier		
CRI	CCT	Multiplier
80	2700K	0.910
	3000K	0.946
	3500K	1.000
	4000K	1.027
	5000K	1.054
90	2700K	0.784
	3000K	0.847
	3500K	0.874
	4000K	0.946

Reflector Finish Multiplier	
Reflector Finish	Multiplier
LSS - Semi Specular	1.00
LD - Matte Diffuse	0.98
Reflector Color	Multiplier
WR - White	0.98
BR - Black	0.92
BZR - Bronze	0.91
AR - Clear	1.00
GR - Gold	0.99
PR - Pewter	0.99
WTR - Wheat	0.98

Driver		Control Provided				
Nomenclature	Description	NLT	NLTER	NLTAIR2	NLTAIREM2	NLTAIRER2
UGZ	0-10V driver dims to 1%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V EM G2	RPP20 D 24V ER G2

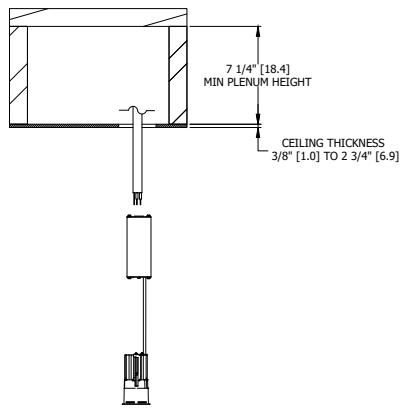
Marked Spacing in Inches 25°C Ambient			
Lumen Package	Fixed Center to Center MIN	Fixture Center to Building Member MIN	Space Above Fixture
2000	18	9	3
1500 (HAO)	18	9	3

DIMENSIONAL DATA

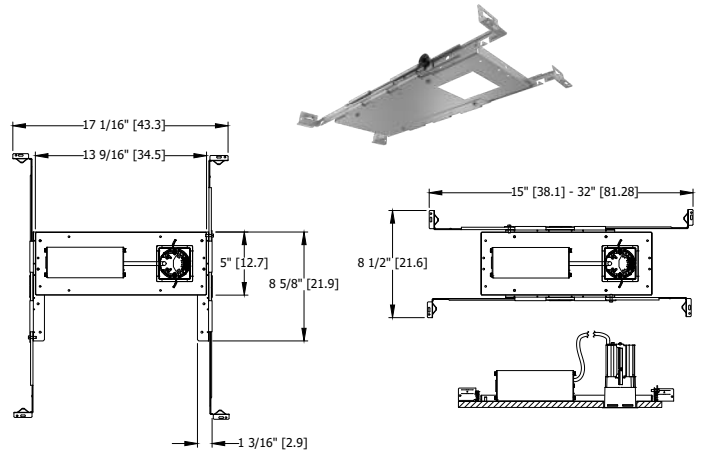
*Dimensions in inches [centimeters]

Aperture: 2-1/4" [5.7]	Ceiling Opening: 2-5/8" [6.7] self-flanged
Overlap Trim: 3" [7.6]	2-3/4" [7] flangeless

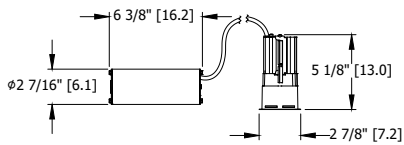
Recessed Application - Minimum Clearance Requirements



Structural Reinforcement Pan



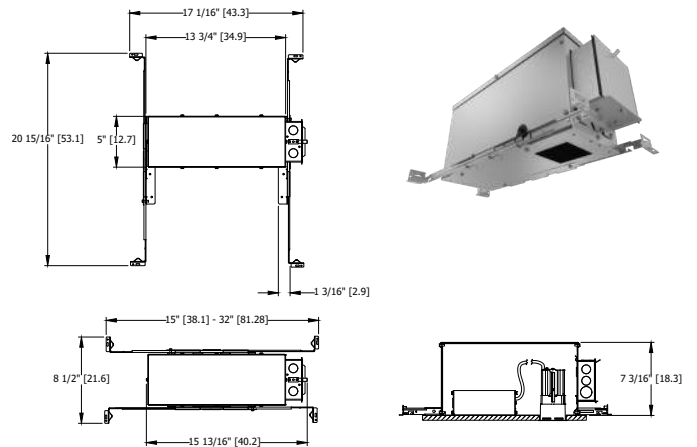
1000 Lumen and Below Install-from-Below Construction



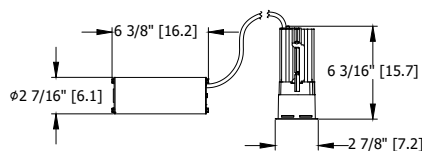
Ceiling cutout: 2 5/8" x 2 5/8" [6.7 x 6.7]
 Flex conduit length: 16" [40.6]
 Ceiling thickness range: 3/8" [1.3] to 2 3/4" [6.9]



IC / Airtight Housing / Chicago Plenum Construction



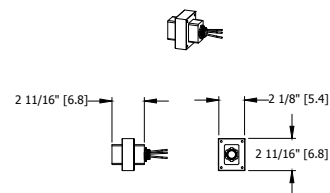
1500 and 2000 Lumen or High Ambient Option Install-from-Below Construction



Ceiling cutout: 2 5/8" x 2 5/8" [6.7 x 6.7]
 Flex conduit length: 16" [40.6]
 Ceiling thickness range: 3/8" [1.3] to 2 3/4" [6.9]



347V Transformer

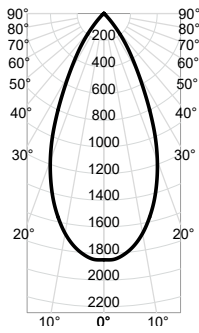


347 Transformer:
 Install to accessible junction box by others

Photometry

CONSULT WWW.GOTHAMLIGHTING.COM FOR ADDITIONAL PHOTOMETRY

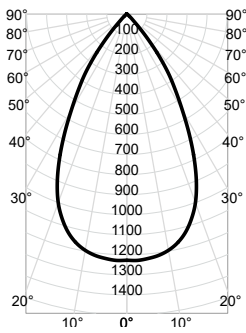
EVO2SQVR 35/15 SMO ND Input Watts: 19.5, Delivered Lumens: 1212, LPW: 62.2, S/MH: 0.75, Test No: 19-958-01P101



CP Summary				Zonal Lumen Summary				Coefficients of Utilization								Cone of Light			Luminance (cd/sq.m)			
0°	Zone	Lumens	% Fixture	pf	pc	80%		20%		70%	50%	50%	30%	10%	10%	50%	30%	10%	Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance
						pw	50%	30%	10%													
0°	0° - 30°	952	79%	0	120	120	120	117	117	117	112	112	112	6.0	51.3	5.3	0°	613,676				
5°	0° - 40°	1,145	95%	1	112	109	107	110	108	106	106	104	102	8.0	28.9	7.0	45°	19,780				
15°	0° - 60°	1,206	100%	2	105	101	98	103	99	97	100	97	94	10.0	18.5	8.8	55°	4,749				
25°	0° - 90°	1,212	100%	3	98	93	90	97	92	89	94	91	88	12.0	12.8	10.5	65°	2,830				
35°	90° - 180°	0	0%	4	92	87	83	91	86	83	89	85	82	14.0	9.4	12.3	75°	1,925				
45°	0° - 180°	1,212	100%	5	87	82	78	86	81	77	84	80	77	16.0	7.1	16.8	85°	1,525				
55°		8		6	82	77	73	81	76	72	80	75	72	18.0	5.8	22.5						
65°		4		7	78	72	68	77	72	68	76	71	68	20.0	4.6	30.0						
75°		2		8	74	68	64	73	68	64	72	67	64	22.0	3.5	40.0						
85°		0		9	70	65	61	70	64	61	69	64	61	24.0	2.6	50.0						
90°		0		10	67	61	58	66	61	58	66	61	58	26.0	1.9	60.0						

Beam Angle: 47.4°
Field Angle: 77.0°

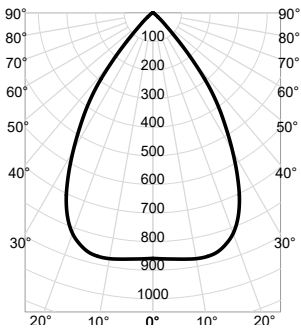
EVO2SQVR 35/15 SMO MWD Input Watts: 19.5, Delivered Lumens: 1099, LPW: 56.4, S/MH: 0.91, Test No: 19-958-02P101



CP Summary				Zonal Lumen Summary				Coefficients of Utilization								Cone of Light			Luminance (cd/sq.m)			
0°	Zone	Lumens	% Fixture	pf	pc	80%		20%		70%	50%	50%	30%	10%	10%	50%	30%	10%	Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance
						pw	50%	30%	10%													
0°	0° - 30°	790	72%	0	119	119	119	117	117	117	112	112	112	6.0	34.1	6.6	0°	407,799				
5°	0° - 40°	1,018	93%	1	111	109	106	109	107	105	105	103	102	8.0	19.2	8.8	45°	23,773				
15°	0° - 60°	1,092	99%	2	104	100	96	102	98	95	99	96	93	10.0	12.3	11.0	55°	5,560				
25°	0° - 90°	1,099	100%	3	97	92	88	95	91	87	93	89	86	12.0	8.5	13.2	65°	3,066				
35°	90° - 180°	0	0%	4	90	85	81	89	84	80	87	83	79	14.0	6.3	15.4	75°	1,925				
45°	0° - 180°	1,099	100%	5	85	79	75	84	78	74	82	77	74	16.0	4.8	20.0	85°	1,525				
55°		10		6	79	73	69	79	73	69	77	72	69	18.0	3.7	26.0						
65°		4		7	75	69	65	74	68	64	73	68	64	20.0	2.8	34.0						
75°		2		8	70	65	60	70	64	60	69	64	60	22.0	2.1	44.0						
85°		0		9	67	61	57	66	60	57	65	60	56	24.0	1.6	56.0						
90°		0		10	63	57	53	63	57	53	62	57	53	26.0	1.2	72.0						

Beam Angle: 57.5°
Field Angle: 83.3°

EVO2SQVR 35/15 SMO WD Input Watts: 19.5, Delivered Lumens: 1015, LPW: 52.1, S/MH: 1.05, Test No: 19-958-03P101



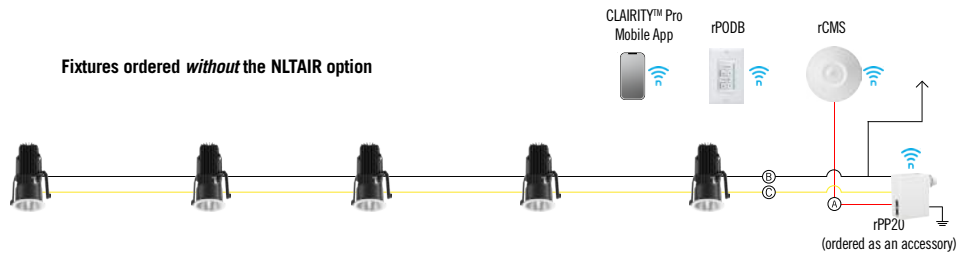
CP Summary				Zonal Lumen Summary				Coefficients of Utilization								Cone of Light			Luminance (cd/sq.m)			
0°	Zone	Lumens	% Fixture	pf	pc	80%		20%		70%	50%	50%	30%	10%	10%	50%	30%	10%	Mounting Height	Initial FC Center Beam	Beam Diameter	Average Luminance
						pw	50%	30%	10%													
0°	0° - 30°	655	64%	0	119	119	119	117	117	117	111	111	111	6.0	23.9	8.0	0°	285,310				
5°	0° - 40°	908	89%	1	111	108	106	108	106	104	104	103	101	8.0	13.4	10.7	45°	34,532				
15°	0° - 60°	1,008	99%	2	102	98	95	101	97	94	97	94	92	10.0	8.6	13.4	55°	7,008				
25°	0° - 90°	1,015	100%	3	95	90	86	94	89	85	91	87	84	12.0	6.0	16.0	65°	3,459				
35°	90° - 180°	0	0%	4	88	82	78	87	82	78	85	80	77	14.0	4.4	18.7	75°	2,054				
45°	0° - 180°	1,015	100%	5	82	76	72	81	75	71	79	74	71	16.0	3.3	24.0	85°	1,525				
55°		12		6	77	70	66	76	70	66	74	69	65	18.0	2.5	32.0						
65°		4		7	72	65	61	71	65	61	70	64	60	20.0	1.9	42.0						
75°		2		8	67	61	57	67	61	56	65	60	56	22.0	1.4	54.0						
85°		0		9	63	57	53	63	57	53	62	56	52	24.0	1.1	70.0						
90°		0		10	59	53	49	59	53	49	58	53	49	26.0	0.8	90.0						

Beam Angle: 67.5°
Field Angle: 92.7°

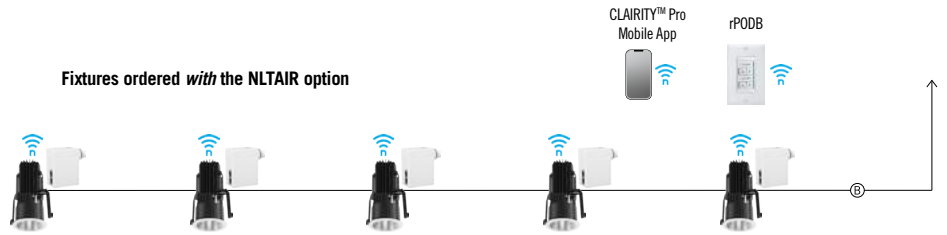
nLIGHT AIR

Possibilities for nLight® AIR

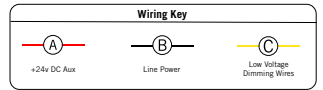
nLight® AIR is the ideal solution for retrofit or new construction spaces where adding communication wiring is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each EVO Luminaire ordered with the NLTAIR option. These individually addressable controls offer the ultimate in flexibility during initial setup and for space repurposing.



Fixtures ordered *without* the NLTAIR option



Fixtures ordered *with* the NLTAIR option



nLight® AIR Control Accessories
Order as separate catalog number. Visit [nLight AIR](#).

Wall Switches	Model Number
On/Off single pole	rPODB (color) G2
On/Off two pole	rPODB 2P (color) G2
On/Off & raise/lower single pole	rPODB DX (color) G2
On/Off & raise/lower two pole	rPODB 2P DX (color) G2

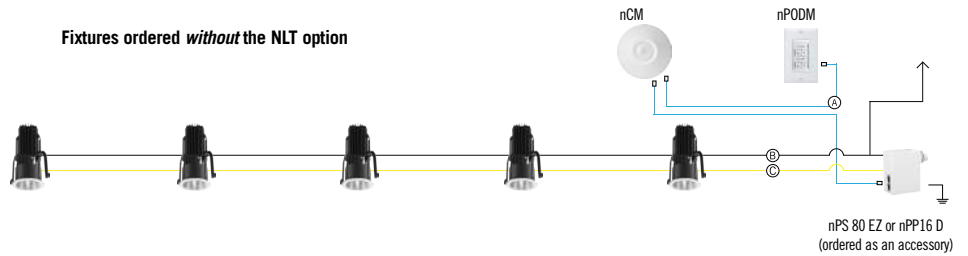
nLight® AIR Control Accessories (cont.)

Occupancy Sensors (PIR/dual tech)	Model Number
Small motion 360°, ceiling	rCMS 9 / rCMS PDT 9
Large motion 360°, ceiling	rCMS 10 / rCMS PDT 10

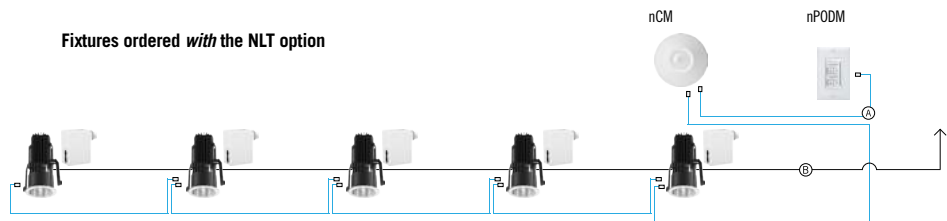
nLIGHT

Possibilities for nLight® wired

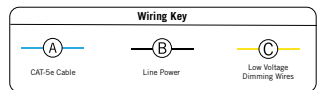
nLight® Wired The nLight® solution is a digital networked lighting control system that provides both energy savings and increased user configurability by cost effectively integrating time-based, daylight-based, sensor-based and manual lighting control schemes.



Fixtures ordered *without* the NLT option



Fixtures ordered *with* the NLT option



nLight® Wired Control Accessories
Order as separate catalog number. Visit [nLight](#).

Wall Switches	Model Number
On/Off single pole	nPODM (XX)
On/Off two pole	nPODM 2P (XX)
On/Off & raise/lower single pole	nPOD DX (XX)
On/Off & raise/lower two pole	nPODM 2P DX (XX)
Graphic touchscreen	nPOD GFX (XX)

Photocell Controls

Dimming	nCM ADCX
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nLight® Wired Control Accessories (cont.)

Occupancy Sensors (PIR/dual tech)	Model Number
Small motion 360°, ceiling	nCM 9 / nCM PDT 9
Large motion 360°, ceiling	nCM 10 / nCM PDT 10
Wide View	nWV 16 / nWV PDT 16
Wall switch with raise/lower	nWSX LV DX / nWSX PDT LV DX

Cat-5 Cables (plenum rated)

10', CAT5	CAT5 10FT J1
15', CAT5	CAT5 15FT J1

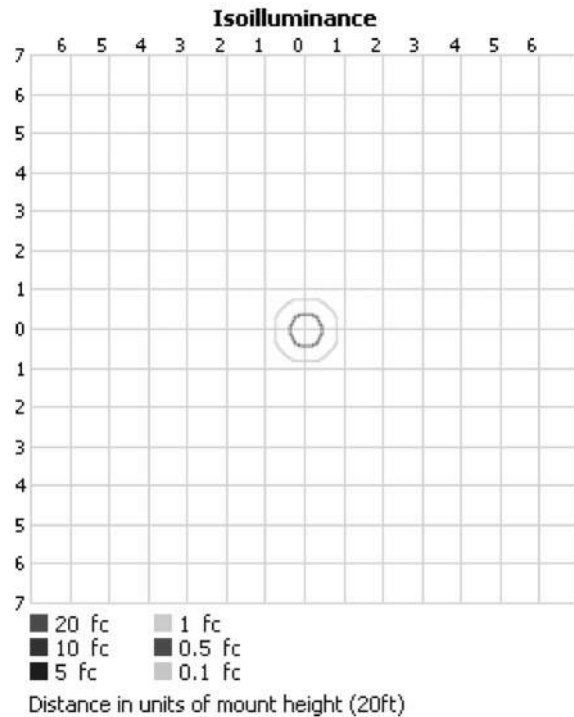
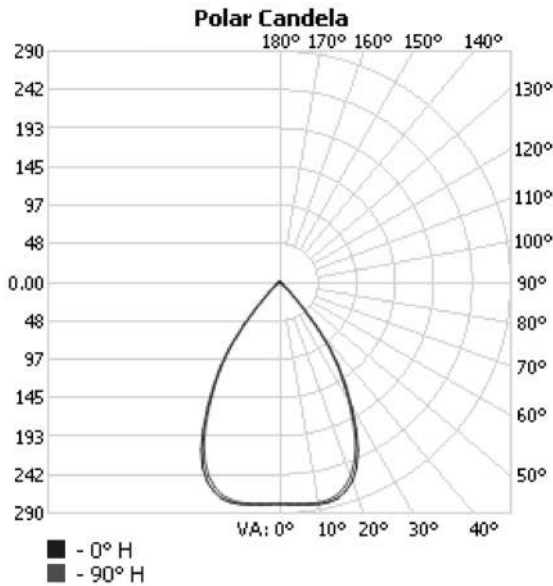
INDOOR PHOTOMETRIC REPORT

CATALOG: EVO2SQVR 30/05 LTF WD

Test #: 19-958-03P45
Test Lab: SCALED PHOTOMETRY
Catalog: EVO2SQVR 30/05 LTF WD
Description: EVO 2 INCH RECESSED VANDAL RESISTANT DOWNLIGHT, SQUARE, 3000K, 500 LUMENS, LIGHT FROSTED LENS, WIDE, 80 CRI
Series: EVO® 2" Square Vandal Resistant
Lamp Output: Total luminaire Lumens: 328, absolute photometry *
Input Wattage: 5.8267
Luminous Opening: Rectangle (L: 2.16", W: 2.16")
Cie Class: Direct
Max Cd: 283.0 at Horizontal: 45°, Vertical: 12.5°
Spacing Criterion: @ 0 = 1.06 / @ 90 = 1.05

AcuityBrands.

gotham®



*Test based on absolute photometry where lamp lumens=lumens total.
*Cutoff Classification and efficiency cannot be properly calculated for absolute photometry.

Visual Photometric Tool 1.2.46 copyright 2022, Acuity Brands Lighting.
This Photometric report has been generated using methods recommended by the IESNA. Calculations are based on Photometric data provided by the manufacturer, and the accuracy of this Photometric report is dependent on the accuracy of the data provided. End-user environment and application (including, but not limited to, voltage variation and dirt accumulation) can cause actual Photometric performance to differ from the performance calculated using the data provided by the manufacturer. This report is provided without warranty as to accuracy, completeness, reliability or otherwise. In no event will Acuity Brands Lighting be responsible for any loss resulting from any use of this report.

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	210.9	64.3%
0-40	293.3	89.4%
0-60	325.7	99.3%
60-90	2.4	0.7%
0-90	328.0	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	26.7	8.1%
10-20	78.6	24.0%
20-30	105.6	32.2%
30-40	82.4	25.1%
40-50	27.6	8.4%
50-60	4.8	1.5%
60-70	1.7	0.5%
70-80	0.6	0.2%
80-90	0.1	0.0%

Average Luminance (Cd/m2)

	0	22.5	45	67.5	90
0	92431	92431	92431	92431	92431
45	11187	14506	17778	14414	12207
55	2270	2514	2477	3190	3209
65	1121	1197	1222	1375	1477
75	665	624	582	707	790
85	494	494	247	370	494

Coefficients Of Utilization - Zonal Cavity Method

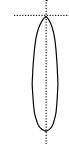
Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0			
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00			
1	1.13	1.10	1.08	1.05	1.11	1.08	1.06	.93	1.04	1.02	1.01	1.00	.99	.98	.97	.96	.95	.93			
2	1.07	1.02	.98	.94	1.05	1.00	.97	.86	.97	.94	.91	.94	.92	.89	.91	.89	.87	.86			
3	1.01	.95	.89	.85	.99	.93	.88	.80	.91	.87	.83	.88	.85	.82	.86	.83	.81	.79			
4	.96	.88	.82	.78	.94	.87	.81	.74	.85	.80	.76	.83	.79	.75	.81	.77	.75	.73			
5	.91	.82	.76	.71	.89	.81	.75	.69	.79	.74	.70	.77	.73	.70	.76	.72	.69	.67			
6	.86	.76	.70	.66	.84	.76	.70	.64	.74	.69	.65	.73	.68	.64	.71	.67	.64	.62			
7	.81	.71	.65	.61	.80	.71	.65	.59	.69	.64	.60	.68	.63	.60	.67	.63	.59	.58			
8	.77	.67	.61	.56	.76	.66	.60	.55	.65	.60	.56	.64	.59	.56	.63	.59	.55	.54			
9	.73	.63	.57	.52	.72	.62	.56	.52	.61	.56	.52	.60	.55	.52	.59	.55	.52	.50			
10	.69	.59	.53	.49	.68	.59	.53	.48	.58	.52	.49	.57	.52	.48	.56	.52	.48	.47			

Candela Table - Type C

	0	22.5	45	67.5	90
0	278	278	278	278	278
5	280	279	279	278	279
10	283	282	281	281	281
15	281	281	283	279	277
20	266	269	271	264	260
25	232	237	240	232	225
30	180	187	191	183	175
35	129	136	140	132	126
40	70	84	85	81	69
45	24	31	38	31	26
50	9	10	10	12	12
55	3.92	4.34	4.28	5.51	5.54
60	2.3	2.49	2.59	3.01	3.11
65	1.43	1.52	1.56	1.75	1.88
70	0.91	0.91	0.87	1	1.1
75	0.52	0.49	0.45	0.55	0.62
80	0.29	0.26	0.19	0.26	0.29
85	0.13	0.13	0.06	0.1	0.13
90	0	0.06	0.03	0	0.03

TYPE LB



High Center Beam Square Adjustable Vandal/Tamper Resistant Downlight **2"**



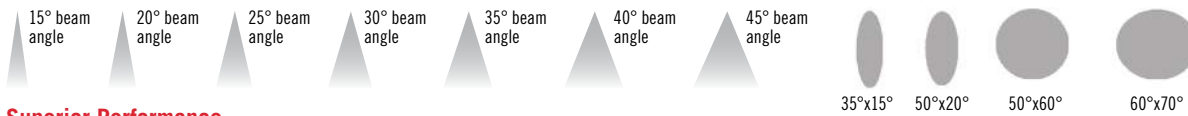
OAK PARK COMMONS
TYPE LB

OVERVIEW

Feature Set

- Eleven optimized distribution patterns allow designers to achieve tailored objectives
- Vertical tilt is self-locking from 0° - 40°; 365° of horizontal rotation. Can be hot aimed from below ceiling.
- Field interchangeable optic
- Driver and LED light engine fully serviceable from below ceiling
- 70% lumen maintenance at 60,000 hours
- 2.5 SDCM; 85 CRI typical, 90+ CRI optional
- IP66 rated room-side, fixtures are wet location, covered ceiling
- IK10 impact resistant construction with 1/4" polycarbonate lens
- Tamper resistant design

Distribution



Superior Performance

Nominal lumens	250	500	750	1000	1500	2000
Delivered	211	449	689	944	1415	1787
Wattage	3.1	5.6	8.7	12.0	19.8	28.6
Efficacy	68	80	79	78	71	63

*Based on 3500K 80CRI 15D @0 Degrees

COMPLIMENTARY PRODUCTS

Coordinated Apertures | Multiple Layers of Light



General Illumination Layer | EVO




High Center Beam Layer | Incito



EVO + Incito — Multiple Layers of Light

Core	Downlight	Adjustable	Open Wallwash	Lensed Wallwash	Cylinder	Pinhole	Bevel	Hyperbolic
Healthcare	MRI	Surgical Suite	Patient Room					
Special Applications	Dynamic	Food Service	Vandal/Tamper	Clean Room	Shower	Steam Room		

ORDERING INFORMATION

 A+ Capable options indicated by this color background.

DS Design2Ship Quick Ship Program: Options in green text qualify for Design2Ship — 5 business days from order entry to ship. Refer to Design2Ship Brochure for complete program details. **Maximum Order Quantity: 50 units.**

Luminaire Type:
 Catalog Number:

EXAMPLE: IC02SQVRADJ 35/10 SOL 20D MVOLT UGZ DWHG

Series	Color Temperature	Lumens	Lensing	Beam	Voltage
IC02SQVRADJ Incito 2in Square Vandal/Tamper Resistant Adjustable Downlight	27/ 2700 K	02 250 lumens	SOL Solite pattern lens LTF Light frost lens SMO Clear	15D 15° beam angle	MVOLT 120V - 277V 120 120V 277 277V
	30/ 3000 K	05 500 lumens		20D 20° beam angle	
	35/ 3500 K	07 750 lumens		25D 25° beam angle	
	40/ 4000 K	10 1000 lumens		30D 30° beam angle	
	50/1 5000 K	15 1500 lumens		35D 35° beam angle	
		20 2000 lumens		40D 40° beam angle	
			45D 45° beam angle		
			3515D Elliptical 35° x 15° beam angle		
			5020D Elliptical 50° x 20° beam angle		
			5060D Elliptical 50° x 60° beam angle		
			6070D Elliptical 60° x 70° beam angle		

Driver	Control Interface ⁴	Options	Architectural Colors
UGZ² Universal dimming to 1% (0-10V, 120V TRIAC or ELV) ECOD³ Lutron® EcoSystem® digital Hi-Lume <1% soft-on, fade to black. Min: 500LM; Max: 1500LM	(blank) NLT nLight® dimming pack. NLTER⁵ nLight® dimming pack for fixtures on emergency circuit NLTAIR2 nLight® AIR dimming pack. NLTAIRER2⁵ nLight® AIR dimming pack for fixtures on emergency circuit NLTAIREM2 nLight® AIR dimming pack for fixtures on emergency circuit	90CRI¹ High CRI (90+) NCH⁶ Structural reinforcement pan ICAT⁷ IC/Airtight housing construction CP⁷ Chicago Plenum HAD⁸ High ambient (40°C) N80⁹ nLight Lumen Compensation	Powder Paint DDB Gloss Dark bronze DBL Gloss Black DWH Gloss White DMB Gloss Medium Bronze DNA Gloss Natural Aluminum DWHG Textured White Plating GMG Gun Metal Gray ORB Oil-rubbed Bronze SNKL Satin Nickel

ACCESSORIES — order as separate catalog numbers (shipped separately)

IC02OPTC XXD	Additional optics for field installation. Replace "XX" with beam angle.
IC02OPTC KIT	Kit including a field interchangeable optic for each of the 13 preset beam distribution patterns
SDT 347/120 75VA	347V/120V, 75VA step down transformer. Must be remote mounted.
AW50	Allen wrench (.050") for adjusting tilt

ORDERING NOTES

- | | |
|---|--|
| 1. 5000K CCT not available with 90CRI. | 6. NCH is required for T-grid ceilings or where code requires. |
| 2. Refer to Tech 240 for compatible dimmers. | 7. Not available with 1500lm or 2000lm. |
| 3. Not available with Control Interfaces (nLight). Not compatible with spray foam with 1000LM, 1500LM, or 2000LM options. | 8. Not available with 2000lm. |
| 4. Field installed. Access required to location of remote mounted device. | 9. Requires NLT or NLTER. |
| 5. ER for use with generator supply power. Will require an emergency hot feed and normal hot feed. | |

Optical and Trim Assembly

Fully serviceable and upgradeable lensed LED light engine suitable for field maintenance or service from above or below the ceiling. Superior 100% Virgin-silicone refractive optic, enables maximum dimensional stability and optical transmission with no discoloration over life. Field inter-changeable optics.

Electrical

The luminaire shall operate from a 50 or 60 Hz ±3 Hz AC line over a voltage ranging from 120 VAC to 277 VAC. Support 347V via remote-mounted stepdown transformer. The fluctuations of line voltage shall have no visible effect on the luminous output. The luminaire shall have a power factor of 90% or greater at all standard operating voltages and full luminaire output. Sound Rated A+. Driver shall be >80% efficient at full load across all input voltages.

Controls

Luminaire shall be equipped with interface for nLight wired or nLight AIR networks with integral power supply as per specification.

Dimming

The luminaire shall be capable of continuous dimming without perceivable stroboscopic flicker as measured by flicker index (ANSI/IES RP-16-10) over a range of 100 – 1.0% of rated lumen output with a smooth shut off function to step to 0%. Driver is inaudible in 24dB environment, and stable when input voltage conditions fluctuate over what is typically experienced in a commercial environment.

Construction

Light engine and driver are accessible from below ceiling. Several additional mounting options available including a structural reinforcement pan, Chicago plenum, and Type IC. Anodized extruded aluminum wiring compartment with hinged access. With two 1/2" trade-sized knockouts rated for 90°C. Accommodates between 1/2" to 3/4"-thick ceilings.

Listings

Fixtures are UL Certified to meet US and Canadian Standards: All fixtures manufactured in strict accordance with the appropriate and current requirements of the "Standards for Safety" to UL, wet location covered ceiling. ENERGY STAR® Certified product. IC rated with ICAT option. Fixtures with ICAT option are compatible with spray foam insulation with an R-value of 4.3 per inch or less. Luminaire configurations are Energy Star certified through testing in EPA-recognized laboratories, with the results reviewed by an independent, accredited certification organization. Visit www.energystar.gov for specific configurations listed

Buy American

This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/buy-american for additional information.

Photometrics

LEDs tested to LM-80 standards. Measured by IESNA Standard LM-79-08 in an accredited lab. Lumen output shall not decrease by more than 30% over the minimum operational life of 60,000 hours. Color appearance from luminaire to luminaire of the same type and in all configurations, shall be consistent both initially and at 6,000 hours and operate within a tolerance of <2.5 MacAdam ellipse as defined by the center of the quadrangles defined in ANSI C78.377-2015.

Warranty

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

Note:

Actual performance may differ as a result of end user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C.

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight® control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

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

*See ordering tree for details

Lumen Output Multiplier		
CRI	CCT	Multiplier
80	2700K	0.910
	3000K	0.946
	3500K	1.000
	4000K	1.027
	5000K	1.054
90	2700K	0.784
	3000K	0.847
	3500K	0.874
	4000K	0.946

Driver		Control Provided				
Nomenclature	Description	NLT	NLTER	NLTAIR2	NLTAIREM2	NLTAIRER2
UGZ	0-10V driver dims to 1%	nPP16 D EFP	nPP16 D ER EFP	RPP20 D 24V G2	RPP20 D 24V EM G2	RPP20 D 24V ER G2

Marked Spacing in Inches 25°C Ambient			
Lumen Package	Fixed Center to Center MIN	Fixture Center to Building Member MIN	Space Above Fixture
2000	18	9	3
1500 (HAO)	18	9	3

DIMENSIONAL DATA

*Dimensions in inches [centimeters]

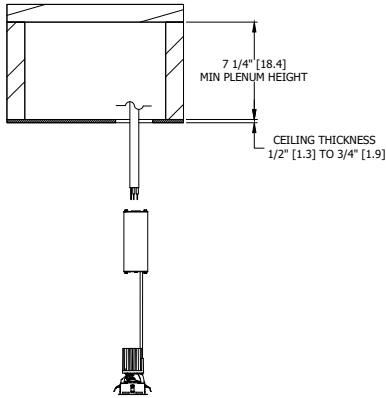
Aperture: 2-1/4" [5.7]

Ceiling Opening: 2-5/8" [6.7] self-flanged

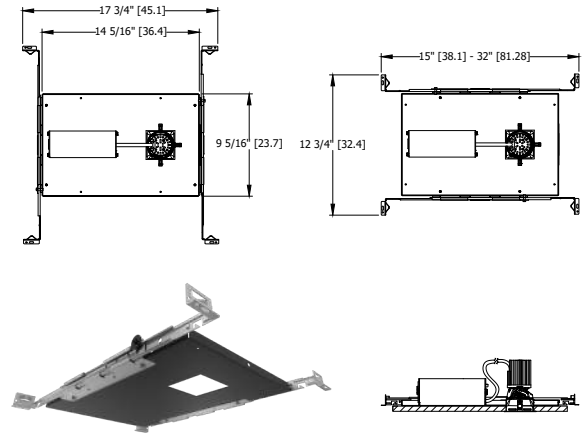
Overlap Trim: 3" [7.6]

2-3/4" [7] flangeless

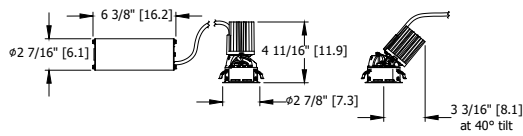
Recessed Application - Minimum Clearance Requirements



Structural Reinforcement Pan



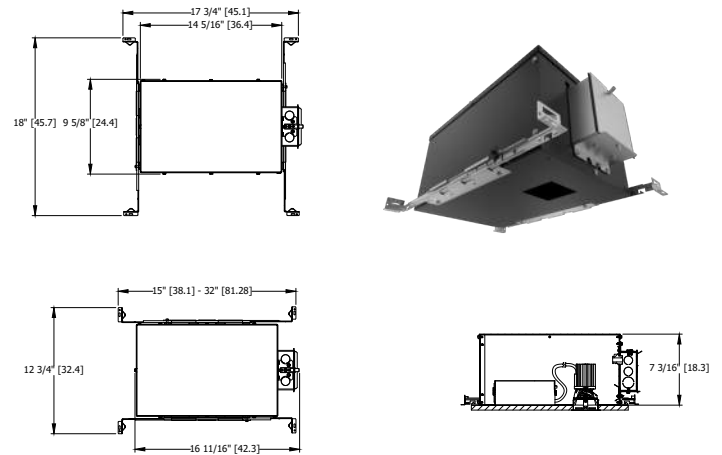
1500 Lumen and Below Install-from-Below Construction



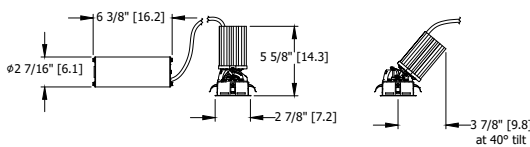
Ceiling cutout: $\phi 2\ 5/8"$ [6.7]
 Flex conduit length: 16" [40.6]
 Ceiling thickness range: 1/2" [1.3] to 3/4" [1.9]



IC / Airtight Housing / Chicago Plenum Construction



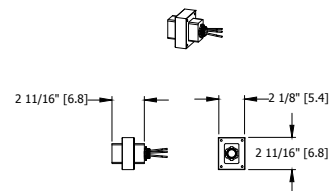
2000 Lumen or High Ambient Option Install-from-Below Construction



Ceiling cutout: 2 5/8" x 2 5/8" [6.7 x 6.7]
 Flex conduit length: 16" [40.6]
 Ceiling thickness range: 1/2" [1.3] to 3/4" [1.9]



347V Transformer

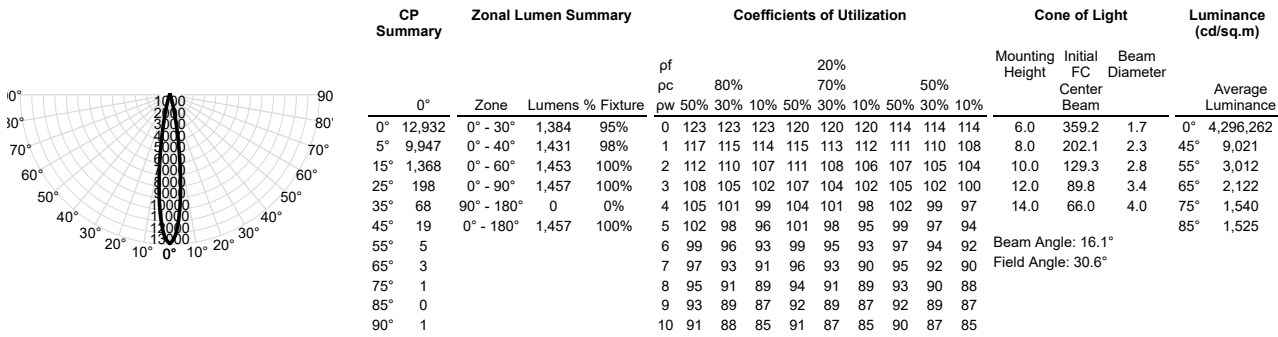


347 Transformer:
 Install to accessible
 junction box by others

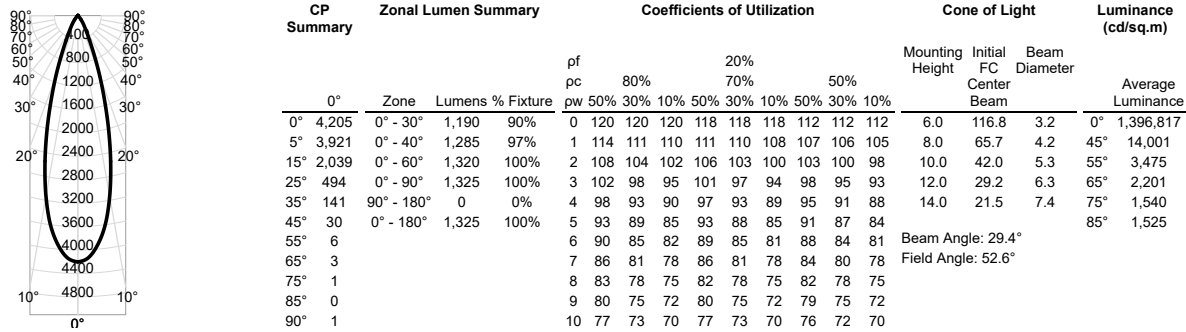
Photometry

CONSULT WWW.GOTHAMLIGHTING.COM FOR ADDITIONAL PHOTOMETRY

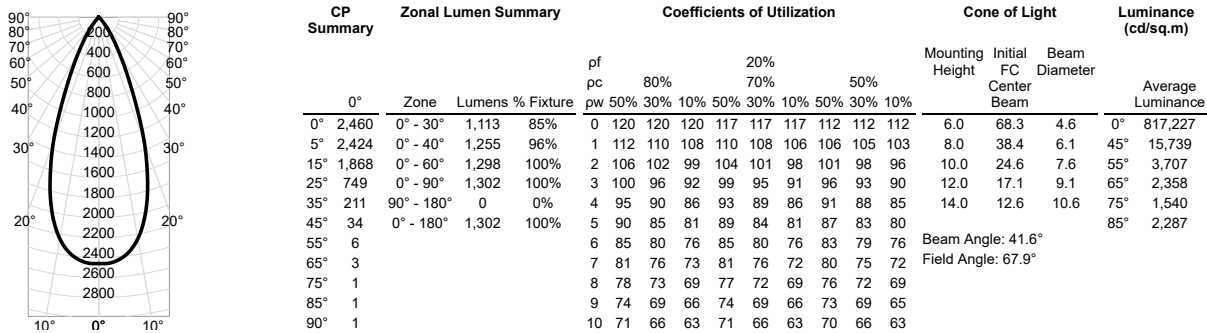
ICO2SQVRADJ 35/15 SMO 15D @ 0DEG TILT Input Watts: 19.8, Delivered Lumens: 1457, LPW: 73.6, S/MH: 0.27, Test No: 19-453-01P263



ICO2SQVRADJ 35/15 SMO 30D @ 0DEG TILT Input Watts: 19.8, Delivered Lumens: 1325, LPW: 66.9, S/MH: 0.49, Test No: 19-453-04P263



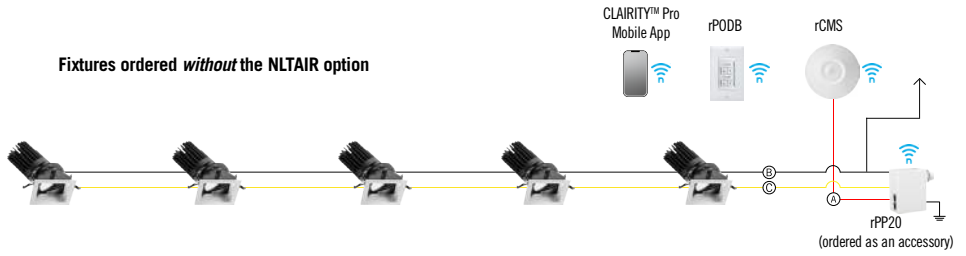
ICO2SQVRADJ 35/15 SMO 45D @ 0DEG TILT Input Watts: 19.8, Delivered Lumens: 1302, LPW: 65.8, S/MH: 0.68, Test No: 19-453-07P263



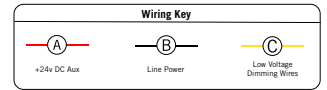
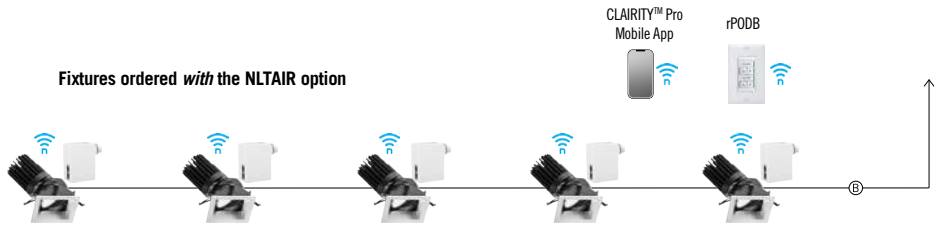
nLight® AIR is the ideal solution for retrofit or new construction spaces where adding communication wiring is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each EVO Luminaire ordered with the NLTAIR option. These individually addressable controls offer the ultimate in flexibility during initial setup and for space repurposing.

Possibilities for nLight® AIR

Fixtures ordered *without* the NLTAIR option



Fixtures ordered *with* the NLTAIR option



nLight® AIR Control Accessories

Order as separate catalog number. Visit [nLight AIR](#).

Wall Switches	Model Number
On/Off single pole	rPODB (color) G2
On/Off two pole	rPODB 2P (color) G2
On/Off & raise/lower single pole	rPODB DX (color) G2
On/Off & raise/lower two pole	rPODB 2P DX (color) G2

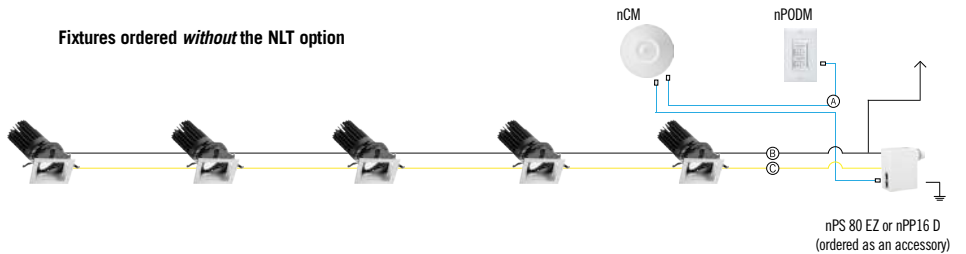
nLight® AIR Control Accessories (cont.)

Occupancy Sensors (PIR/dual tech)	Model Number
Small motion 360°, ceiling	rCMS 9 / rCMS PDT 9
Large motion 360°, ceiling	rCMS 10 / rCMS PDT 10

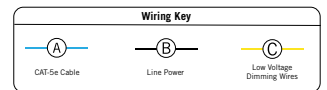
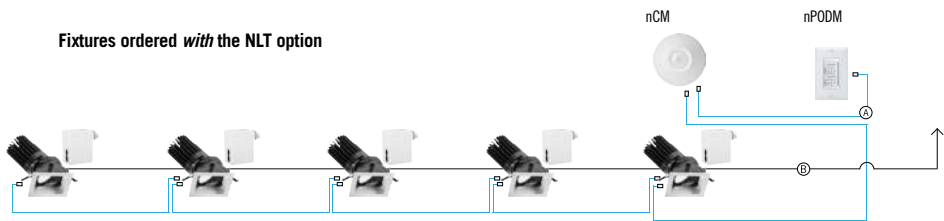
nLight® Wired The nLight® solution is a digital networked lighting control system that provides both energy savings and increased user configurability by cost effectively integrating time-based, daylight-based, sensor-based and manual lighting control schemes.

Possibilities for nLight® wired

Fixtures ordered *without* the NLT option



Fixtures ordered *with* the NLT option



nLight® Wired Control Accessories

Order as separate catalog number. Visit [nLight](#).

Wall Switches	Model Number
On/Off single pole	nPODM (XX)
On/Off two pole	nPODM 2P (XX)
On/Off & raise/lower single pole	nPOD DX (XX)
On/Off & raise/lower two pole	nPODM 2P DX (XX)
Graphic touchscreen	nPOD GFX (XX)

Photocell Controls

Dimming	nCM ADCX
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nLight® Wired Control Accessories (cont.)

Occupancy Sensors (PIR/dual tech)	Model Number
Small motion 360°, ceiling	nCM 9 / nCM PDT 9
Large motion 360°, ceiling	nCM 10 / nCM PDT 10
Wide View	nWV 16 / nWV PDT 16
Wall switch with raise/lower	nWSX LV DX / nWSX PDT LV DX

Cat-5 Cables (plenum rated)	Model Number
10', CAT5	CAT5 10FT J1
15', CAT5	CAT5 15FT J1

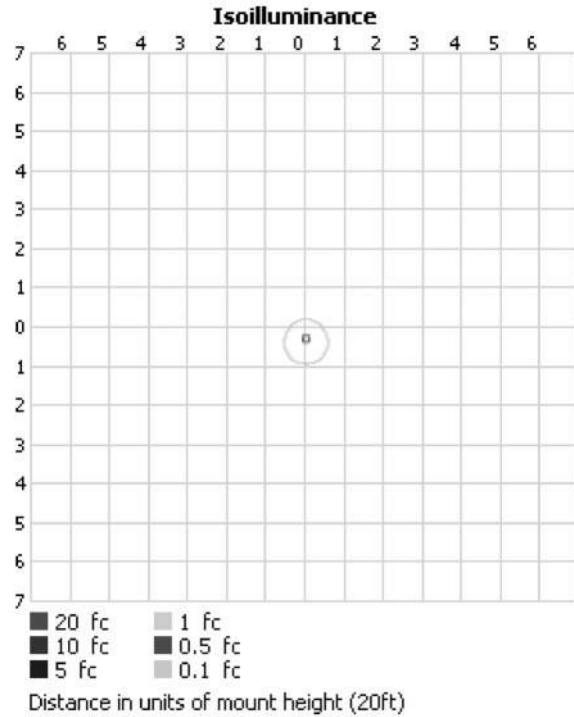
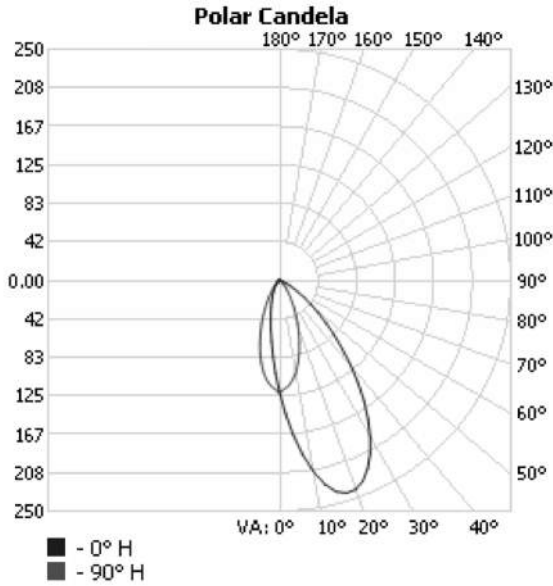
INDOOR PHOTOMETRIC REPORT

CATALOG: ICO2SQVRADJ 30/02 LTF 40D 90CRI @ 20DEG TILT

Test #: 19-850-06P14
 Test Lab: SCALED PHOTOMETRY
 Catalog: ICO2SQVRADJ 30/02 LTF 40D 90CRI @ 20DEG TILT
 Description: INCITO 2 INCH RECESSED ADJUSTABLE VANDAL RESISTANT, SQUARE, 3000K, 250 LUMENS, LIGHT FROSTED LENS, 40 DEGREE BEAM, 90 CRI, @ 20 DEGREE TILT
 Series: Incito™ 2" Square Vandal Resistant
 Lamp Output: Total luminaire Lumens: 141.8, absolute photometry *
 Input Wattage: 3.1
 Luminous Opening: Rectangle (L: 2.16", W: 2.16")
 Cie Class: Direct
 Max Cd: 241.3 at Horizontal: 0°, Vertical: 17.5°
 Spacing Criterion: @ 0 = 1.61 / @ 90 = 0.64

AcuityBrands.

gotham®



*Test based on absolute photometry where lamp lumens=lumens total.
 *Cutoff Classification and efficiency cannot be properly calculated for absolute photometry.

Visual Photometric Tool 1.2.46 copyright 2022, Acuity Brands Lighting.
 This Photometric report has been generated using methods recommended by the IESNA. Calculations are based on Photometric data provided by the manufacturer, and the accuracy of this Photometric report is dependent on the accuracy of the data provided. End-user environment and application (including, but not limited to, voltage variation and dirt accumulation) can cause actual Photometric performance to differ from the performance calculated using the data provided by the manufacturer. This report is provided without warranty as to accuracy, completeness, reliability or otherwise. In no event will Acuity Brands Lighting be responsible for any loss resulting from any use of this report.

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	80.5	56.7%
0-40	111.8	78.8%
0-60	138.1	97.4%
60-90	3.7	2.6%
0-90	141.8	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	11.4	8.0%
10-20	30.8	21.7%
20-30	38.2	26.9%
30-40	31.3	22.1%
40-50	18.2	12.9%
50-60	8.1	5.7%
60-70	2.9	2.0%
70-80	0.8	0.5%
80-90	0.1	0.1%

Average Luminance (Cd/m²)

	0	45	90	135	180	225	270	315	360
0	40241	40241	40241	40241	40241	40241	40241	40241	40241
45	39022	18522	2850	1864	1935	1864	2850	18522	39022
55	18765	7773	1317	1025	1230	1025	1317	7773	18765
65	6973	3159	775	695	983	695	775	3159	6973
75	1589	1152	503	519	762	519	503	1152	1589
85	96	96	96	241	722	241	96	96	96

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0			
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00			
1	1.13	1.10	1.07	1.04	1.10	1.07	1.05	.92	1.03	1.01	.99	.99	.98	.96	.96	.95	.94	.92			
2	1.06	1.00	.96	.92	1.04	.99	.94	.84	.95	.92	.89	.92	.89	.87	.90	.87	.85	.83			
3	1.00	.92	.87	.82	.98	.91	.86	.77	.88	.84	.80	.86	.82	.79	.83	.80	.78	.76			
4	.94	.85	.79	.74	.92	.84	.78	.70	.82	.77	.73	.80	.75	.72	.78	.74	.71	.69			
5	.88	.79	.72	.67	.86	.78	.71	.65	.76	.70	.66	.74	.69	.66	.72	.68	.65	.63			
6	.83	.73	.66	.61	.81	.72	.66	.60	.70	.65	.61	.69	.64	.60	.68	.63	.60	.58			
7	.78	.68	.61	.56	.77	.67	.61	.55	.66	.60	.56	.64	.59	.55	.63	.59	.55	.54			
8	.74	.63	.57	.52	.73	.63	.56	.51	.62	.56	.52	.60	.55	.51	.59	.55	.51	.50			
9	.70	.59	.53	.48	.69	.59	.52	.47	.58	.52	.48	.57	.51	.48	.56	.51	.48	.46			
10	.66	.56	.49	.45	.65	.55	.49	.44	.54	.49	.45	.53	.48	.45	.53	.48	.44	.43			

Candela Table - Type C

	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5	360
0	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121	121
5	167	163	151	134	114	102	91	84	82	84	91	102	114	134	151	163	167
10	210	200	172	136	101	79	64	57	55	57	64	79	101	136	172	200	210
15	237	221	179	126	82	57	45	39	37	39	45	57	82	126	179	221	237
20	241	223	171	108	61	39	30	27	26	27	30	39	61	108	171	223	241
25	225	207	151	85	42	26	21	19	18	19	21	26	42	85	151	207	225
30	195	177	123	61	27	17	14	13	12	13	14	17	27	61	123	177	195
35	159	141	91	41	17	11	9	8.72	8.5	8.72	9	11	17	41	91	141	159
40	119	103	62	25	10	6.62	6.05	5.98	5.91	5.98	6.05	6.62	10	25	62	103	119
45	83	70	39	15	6.07	4.17	3.97	4.11	4.12	4.11	3.97	4.17	6.07	15	39	70	83
50	54	44	23	8.77	3.66	2.68	2.62	2.86	2.92	2.86	2.62	2.68	3.66	8.77	23	44	54
55	32	26	13	5.07	2.27	1.77	1.77	2.02	2.12	2.02	1.77	1.77	2.27	5.07	13	26	32
60	18	14	7.52	2.97	1.49	1.21	1.24	1.47	1.58	1.47	1.24	1.21	1.49	2.97	7.52	14	18
65	8.87	7.2	4.02	1.72	0.99	0.86	0.88	1.12	1.25	1.12	0.88	0.86	0.99	1.72	4.02	7.2	8.87
70	3.82	3.25	2.05	0.99	0.66	0.58	0.62	0.85	0.86	0.85	0.62	0.58	0.66	0.99	2.05	3.25	3.82
75	1.24	1.15	0.9	0.52	0.39	0.38	0.4	0.52	0.59	0.52	0.4	0.38	0.39	0.52	0.9	1.15	1.24
80	0.19	0.21	0.27	0.2	0.19	0.24	0.21	0.3	0.37	0.3	0.21	0.24	0.19	0.2	0.27	0.21	0.19
85	0.03	0.03	0.03	0.03	0.03	0.04	0.06	0.14	0.19	0.14	0.06	0.04	0.03	0.03	0.03	0.03	0.03
90	0.01	0.01	0.01	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01	0	0.01	0.01	0.01

TYPE LC

LED wall luminaire - unshielded

Application

This LED wall luminaire has an unshielded light distribution for general purpose illumination for interior and exterior locations. Arranged individually or in groups, this is a great design element for a host of lighting applications.

Materials

Luminaire housing and guard constructed of die-cast marine grade, copper free ($\leq 0.3\%$ copper content) A360.0 aluminum alloy
Heavy pressed crystal glass, inside white
High temperature silicone gasket
Mechanically captive stainless steel fasteners

NRTL listed to North American Standards, suitable for wet locations
Protection class IP65
Weight: 4.4 lbs

Electrical

Operating voltage	120-277VAC
Minimum start temperature	-30° C
LED module wattage	3.8W
System wattage	6W
Controllability	0-10V dimmable
Color rendering index	Ra > 80
Luminaire lumens	300 lumens (3000K)
Lifetime at Ta = 15° C	>500,000 h (L70)
Lifetime at Ta = 25° C	220,000 h (L70)

LED color temperature

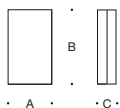
- 4000K - Product number + **K4**
- 3500K - Product number + **K35**
- 3000K - Product number + **K3**
- 2700K - Product number + **K27**

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

Finish

All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.

Available colors	Black (BLK)	White (WHT)	RAL:
	Bronze (BRZ)	Silver (SLV)	CUS:



LED wall luminaire · unshielded

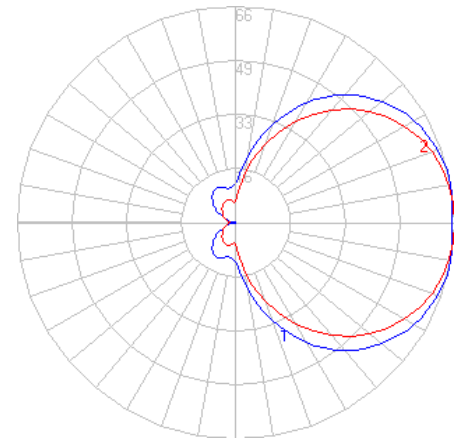
	LED	A	B	C
33 604 <small>ADA</small>	3.8W	4 3/4	9 1/2	3



BEGA

Photometric Filename: 33604.IES

TEST: BE_33604
 TEST LAB: BEGA
 DATE: 10/19/2015
 LUMINAIRE: 33 604
 LAMP: 3.8W LED

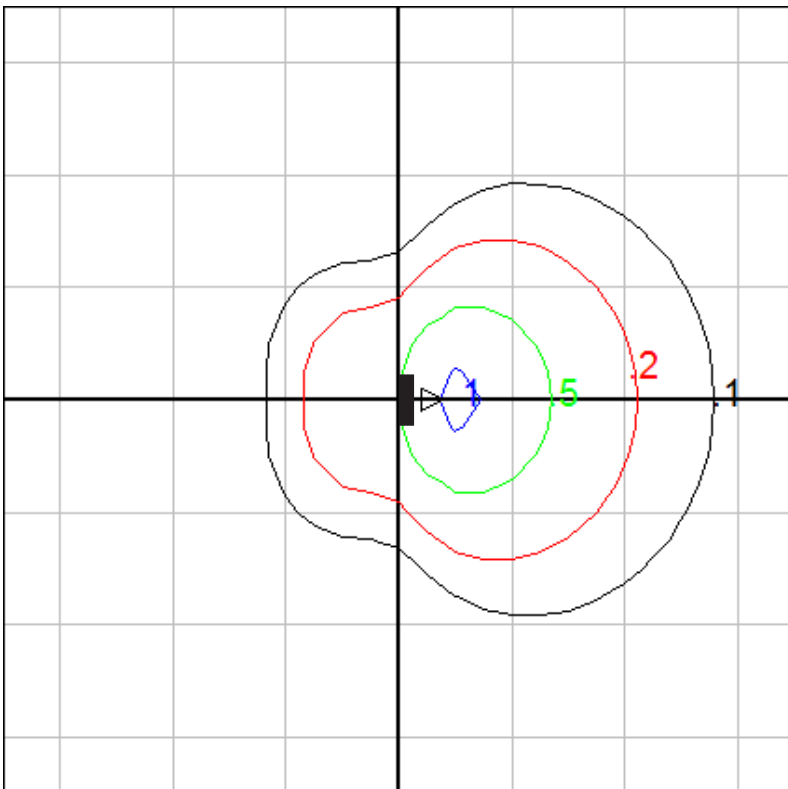


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	300
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	50
Total Luminaire Watts	6
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.11 ft
Luminous Width (90-270)	0.79 ft
Luminous Height	0.39 ft

Zonal Lumen Summary

Zone	Lumens
0-10	1.26
10-20	4.59
20-30	9.23
30-40	14.47
40-50	19.39
50-60	23.25
60-70	25.64
70-80	26.38
80-90	25.75
90-100	25.75
100-110	26.38
110-120	25.64
120-130	23.25
130-140	19.39
140-150	14.47
150-160	9.23
160-170	4.59
170-180	1.26



Mounting Height = 5 ft. Grid Spacing = 5 ft.

In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

TYPE LD

Recessed wall luminaire - location

Application

Recessed wall luminaire with unshielded light for use as a location luminaire for way finding.

Materials

Luminaire housing and faceplate constructed of die-cast marine grade, copper free ($\leq 0.3\%$ copper content) A360.0 aluminum alloy
White safety glass
Silicone applied robotically to casting, plasma treated for increased adhesion
High temperature silicone gasket
Mechanically captive stainless steel fasteners
Stainless steel screw clamps
Composite installation housing

NRTL listed to North American Standards, suitable for wet locations
Protection class IP 65
Weight: 2.2lbs

Electrical

Operating voltage	120-277V AC
Minimum start temperature	-40° C
LED module wattage	2.8W
System wattage	5.0W
Controllability	0-10V dimmable
Color rendering index	Ra > 90
Luminaire lumens	331 lumens (4000K)
LED service life (L70)	50,000 hours

LED color temperature

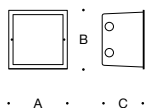
- 4000K - Product number + **K4**
- 3500K - Product number + **K35**
- 3000K - Product number + **K3**
- 2700K - Product number + **K27**

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

Finish

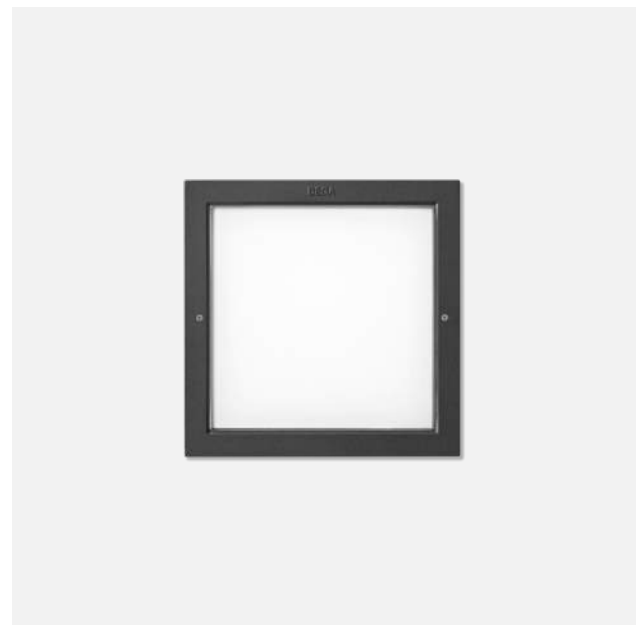
All BEGA standard finishes are matte, textured powder coat with minimum 3 mil thickness. BEGA Unidure® finish, a fluoropolymer technology, provides superior fade protection in Black, Bronze, and Silver. BEGA standard White, as well as optionally available RAL and custom colors, are a polyester powder.

Available colors	Black (BLK)	White (WHT)	RAL:
	Bronze (BRZ)	Silver (SLV)	CUS :



Recessed wall luminaire · location

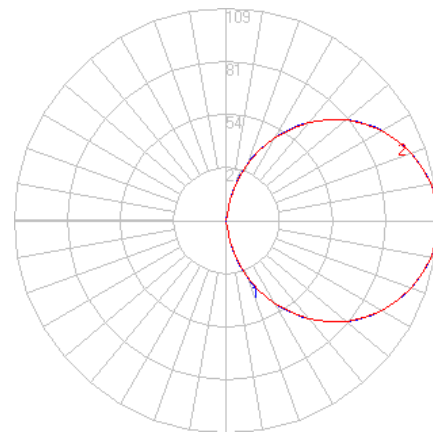
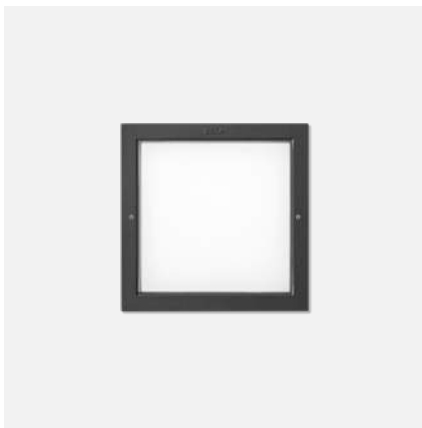
	LED	A	B	C
33 296	ADA 2.8 W	5 7/8	5 7/8	5 1/4



BEGA

File: 33296K3_BEGA_IES.ies

TEST: BE_33296K4
 TEST LAB: BEGA
 DATE: 3/1/2017
 LUMINAIRE: 33 296K3
 LAMP: 2.8W LED



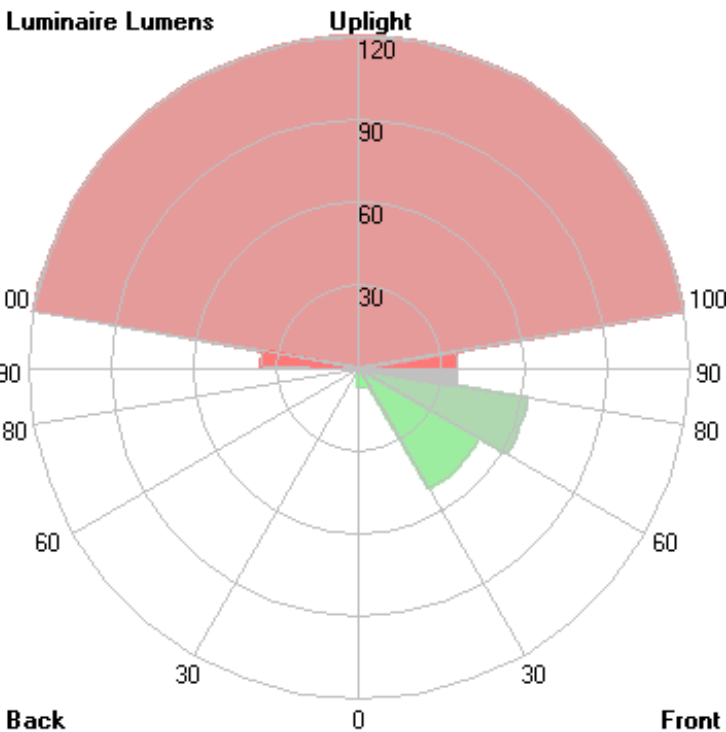
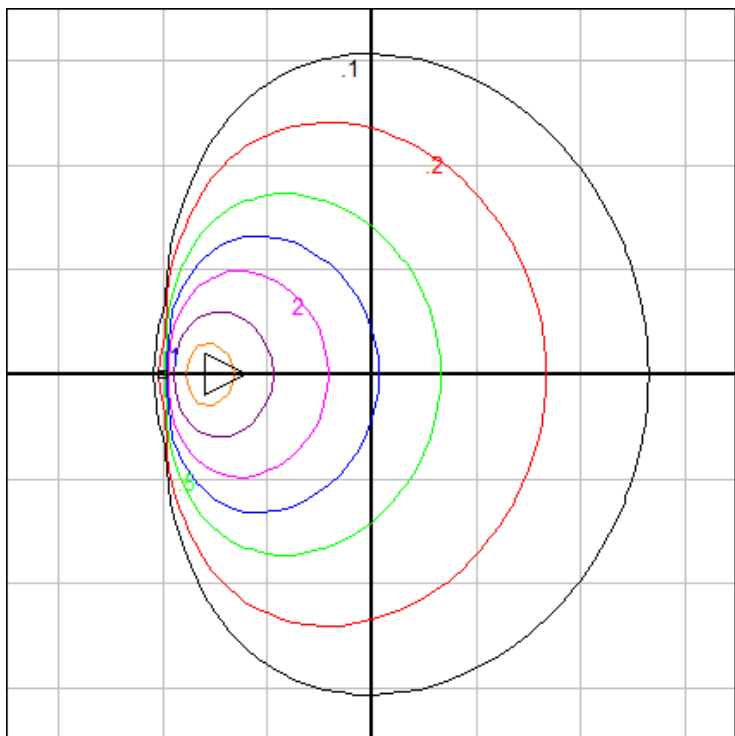
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	311
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	5
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	108.664 (0H, 90V)
Max. Cd. (<90 Vert.)	108.476 (0H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	108.664 (34.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	108.476 (34.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	7.1	N.A.	2.3
FM (30-60)	50.7	N.A.	16.3
FH (60-80)	62.2	N.A.	20.0
FVH (80-90)	35.5	N.A.	11.4
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	0.0	N.A.	0.0
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	35.5	N.A.	11.4
UH (100-180)	120.0	N.A.	38.6
Total	311.0	N.A.	100.0

BUG Rating B0-U3-G1



Mounting Height: 1.5 ft. Grid Spacing: 2.5 ft.

In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

TYPE LF

Application

LED ceiling and wall luminaires with impact-resistant polyethylene diffuser. The impact-resistant diffuser adds strength and security in locations where glass cannot be used. This luminaire can be utilized individually or in groups for glare-free illumination in interior and exterior spaces.

Materials

Luminaire housing constructed marine grade, copper free ($\leq 0.3\%$ copper content) A360.0 aluminum alloy
White high density polyethylene diffuser
High temperature silicone gasket

NRTL listed to North American Standards, suitable for wet locations
Protection class IP65
Weight: 2.7 lbs

Electrical

Operating voltage	120-277VAC
Minimum start temperature	-30°C
LED module wattage	8.0W
System wattage	10.0W
Controllability	0-10V dimmable
Color rendering index	Ra > 90
Luminaire lumens	879 lumens (3000K)
Lifetime at Ta = 15°C	> 500,000 h (L70)
Lifetime at Ta = 45°C	260,000 h (L70)

LED color temperature

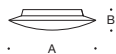
- 4000K - Product number + **K4**
- 3500K - Product number + **K35**
- 3000K - Product number + **K3**
- 2700K - Product number + **K27**

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

Finish

All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.

Available colors	Black (BLK)	White (WHT)	RAL:
	Bronze (BRZ)	Silver (SLV)	CUS:



LED ceiling and wall luminaire · unshielded

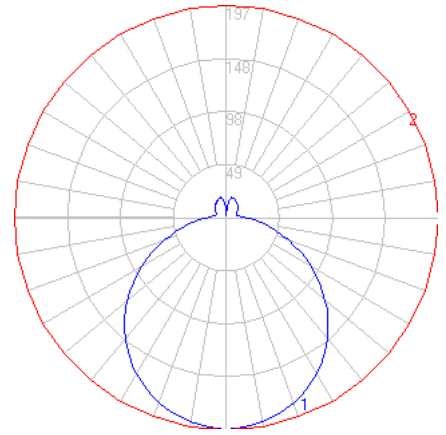
	LED	A	B
24 225	8.0W	11	4 1/8



BEGA

Photometric Filename: 24225.IES

TEST: BE_24225
 TEST LAB: BEGA
 DATE: 5/14/2018
 LUMINAIRE: 24 225
 LAMP: 8W LED

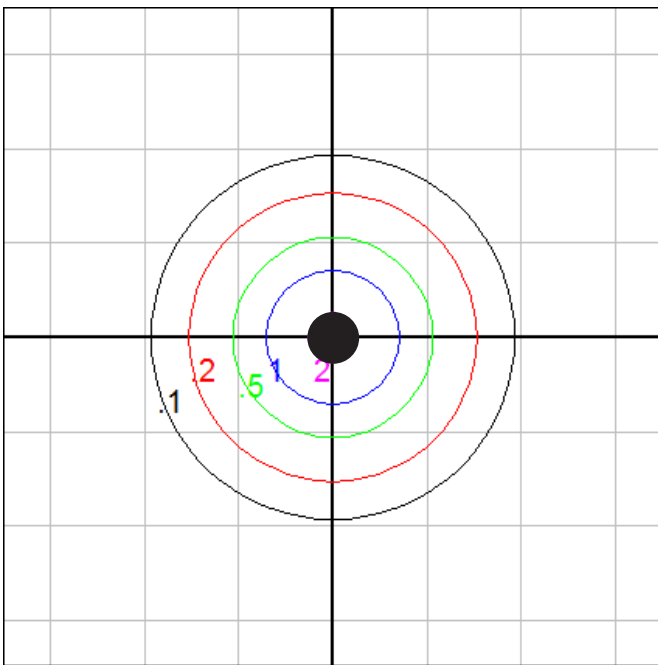


Characteristics

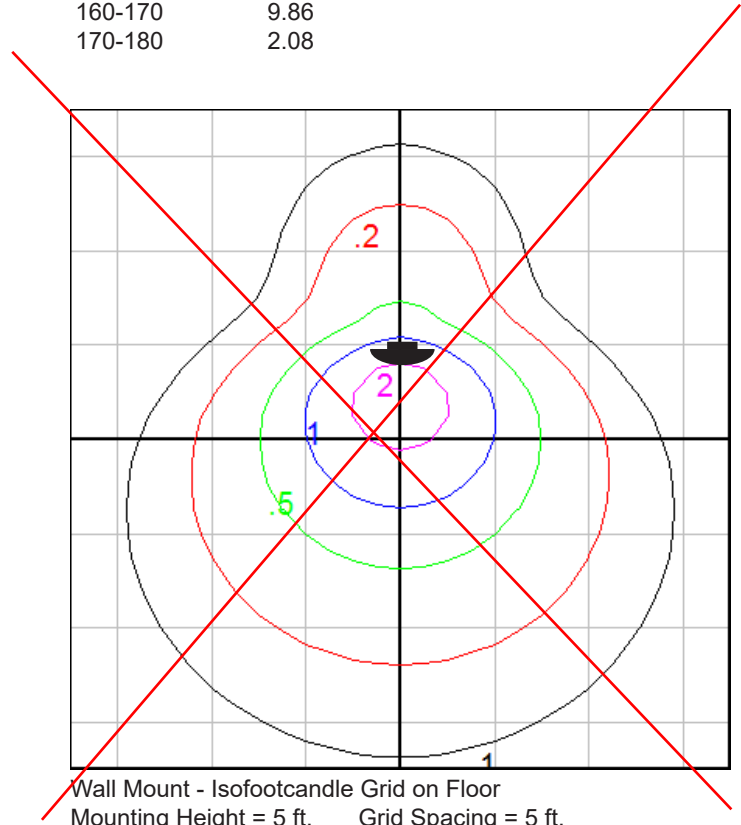
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	879
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	88
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.92 ft (Diameter)
Luminous Height	0.23 ft

Zonal Lumen Summary

Zone	Lumens
0-10	21.85
10-20	62.74
20-30	95.56
30-40	116.26
40-50	122.43
50-60	113.99
60-70	93.91
70-80	67.75
80-90	43.07
90-100	26.13
100-110	18.23
110-120	16.52
120-130	17.47
130-140	18.53
140-150	17.85
150-160	14.94
160-170	9.86
170-180	2.08



Ceiling Mount - Isofootcandle Grid on Floor
 Mounting Height = 10 ft. Grid Spacing = 10 ft.



Wall Mount - Isofootcandle Grid on Floor
 Mounting Height = 5 ft. Grid Spacing = 5 ft.

In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

TYPE LG



D-Series Size 1 LED Wall Luminaire

OAK PARK COMMONS
TYPE LG



Buy American

Catalog
Number

Notes

Type

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

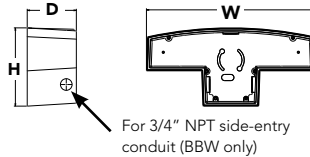
d#series

Specifications Luminaire

Width:	13-3/4" (34.9 cm)	Weight:	12 lbs (5.4 kg)
Depth:	10" (25.4 cm)		
Height:	6-3/8" (16.2 cm)		

Back Box (BBW, E20WC)

Width:	13-3/4" (34.9 cm)	BBW Weight:	5 lbs (2.3 kg)
Depth:	4" (10.2 cm)	E20WC Weight:	10 lbs (4.5 kg)
Height:	6-3/8" (16.2 cm)		



Introduction

The D-Series Wall luminaire is a stylish, fully integrated LED solution for building-mount applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and up to 74% in energy savings over comparable 250W metal halide luminaires, the D-Series Wall is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information

EXAMPLE: DSXW1 LED 20C 1000 40K T3M MVOLT DBBTD

Series	LEDs	Drive Current	Color temperature	Distribution	Voltage	Mounting	Control Options
DSXW1 LED	10C 10 LEDs (one engine) 20C 20 LEDs (two engines) ¹	350 350 mA 530 530 mA 700 700 mA 1000 1000 mA (1 A) ¹	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted	T2S Type II Short T2M Type II Medium T3S Type III Short T3M Type III Medium T4M Type IV Medium TFTM Forward Throw Medium	MVOLT ² 120 ³ 208 ³ 240 ³ 277 ³ 347 ^{3,4} 480 ^{3,4}	Shipped included (blank) Surface mounting bracket BBW Surface-mounted back box (for conduit entry) ⁵	Shipped installed PE Photoelectric cell, button type ⁶ DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) PIR 180° motion/ambient light sensor, <15' mtg ht ^{1,7} PIRH 180° motion/ambient light sensor, 15-30' mtg ht ^{1,7} PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ^{1,7} PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ^{1,7} E20WC Emergency battery backup (includes external component enclosure), CA Title 20 compliant ^{8,9}

Other Options	Finish (required)
Shipped installed SF Single fuse (120, 277 or 347V) ^{3,10} DF Double fuse (208, 240 or 480V) ^{3,10} HS House-side shield ¹¹ SPD Separate surge protection ¹²	Shipped separately ¹¹ BSW Bird-deterrent spikes VG Vandal guard DDL Diffused drop lens DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DBBTD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone

Accessories

Ordered and shipped separately.

DSXWHS U	House-side shield (one per light engine)
DSXWBSW U	Bird-deterrent spikes
DSXWVG U	Vandal guard accessory

NOTES

- 20C 1000 is not available with PIR, PIRH, PIR1FC3V or PIRH1FC3V.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- Only available with 20C, 700mA or 1000mA. Not available with PIR or PIRH.
- Back box ships installed on fixture. Cannot be field installed. Cannot be ordered as an accessory.
- Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
- Reference Motion Sensor table on page 3.
- Same as old ELCW. Cold weather (-20C) rated. Not compatible with conduit entry applications. Not available with BBW mounting option. Not available with fusing. Not available with 347 or 480 voltage options. Emergency components located in back box housing. Emergency mode IES files located on product page at www.lithonia.com
- Not available with SPD.
- Not available with E20WC.
- Also available as a separate accessory; see Accessories information.
- Not available with E20WC.



Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70CRI)					40K (4000 K, 70CRI)					50K (5000 K, 70CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
10C (10 LEDs)	350mA	13W	T2S	1,415	0	0	1	109	1,520	0	0	1	117	1,530	0	0	1	118	894	0	0	1	69
			T2M	1,349	0	0	1	104	1,448	0	0	1	111	1,458	0	0	1	112	852	0	0	1	66
			T3S	1,399	0	0	1	108	1,503	0	0	1	116	1,512	0	0	1	116	884	0	0	1	68
			T3M	1,385	0	0	1	107	1,488	0	0	1	114	1,497	0	0	1	115	876	0	0	1	67
			T4M	1,357	0	0	1	104	1,458	0	0	1	112	1,467	0	0	1	113	858	0	0	1	66
	TFTM	1,411	0	0	1	109	1,515	0	0	1	117	1,525	0	0	1	117	892	0	0	1	69		
	530 mA	19W	T2S	2,053	1	0	1	108	2,205	1	0	1	116	2,220	1	0	1	117	1,264	0	0	1	67
			T2M	1,957	1	0	1	103	2,102	1	0	1	111	2,115	1	0	1	111	1,205	0	0	1	63
			T3S	2,031	1	0	1	107	2,181	1	0	1	115	2,194	1	0	1	115	1,250	0	0	1	66
			T3M	2,010	1	0	1	106	2,159	1	0	1	114	2,172	1	0	1	114	1,237	0	0	1	65
			T4M	1,970	1	0	1	104	2,115	1	0	1	111	2,129	1	0	1	112	1,212	0	0	1	64
	TFTM	2,047	0	0	1	108	2,198	1	0	1	116	2,212	1	0	1	116	1,260	0	0	1	66		
	700 mA	26W	T2S	2,623	1	0	1	101	2,816	1	0	1	108	2,834	1	0	1	109	1,544	0	0	1	59
			T2M	2,499	1	0	1	96	2,684	1	0	1	103	2,701	1	0	1	104	1,472	0	0	1	57
			T3S	2,593	1	0	1	100	2,785	1	0	1	107	2,802	1	0	1	108	1,527	0	0	1	59
			T3M	2,567	1	0	1	99	2,757	1	0	1	106	2,774	1	0	1	107	1,512	0	0	1	58
			T4M	2,515	1	0	1	97	2,701	1	0	1	104	2,718	1	0	1	105	1,481	0	0	1	57
	TFTM	2,614	1	0	1	101	2,808	1	0	1	108	2,825	1	0	1	109	1,539	0	0	1	59		
	1000 mA	39W	T2S	3,685	1	0	1	94	3,957	1	0	1	101	3,982	1	0	1	102	2,235	1	0	1	57
			T2M	3,512	1	0	1	90	3,771	1	0	1	97	3,794	1	0	1	97	2,130	1	0	1	55
			T3S	3,644	1	0	1	93	3,913	1	0	1	100	3,938	1	0	1	101	2,210	1	0	1	57
			T3M	3,607	1	0	1	92	3,873	1	0	1	99	3,898	1	0	1	100	2,187	1	0	1	56
			T4M	3,534	1	0	2	91	3,796	1	0	2	97	3,819	1	0	2	98	2,143	1	0	1	55
	TFTM	3,673	1	0	1	94	3,945	1	0	1	101	3,969	1	0	1	102	2,228	1	0	1	57		
20C (20 LEDs)	350mA	23W	T2S	2,820	1	0	1	123	3,028	1	0	1	132	3,047	1	0	1	132	1,777	1	0	1	77
			T2M	2,688	1	0	1	117	2,886	1	0	1	125	2,904	1	0	1	126	1,693	1	0	1	74
			T3S	2,789	1	0	1	121	2,994	1	0	1	130	3,014	1	0	1	131	1,757	0	0	1	76
			T3M	2,760	1	0	1	120	2,965	1	0	1	129	2,983	1	0	1	130	1,739	1	0	1	76
			T4M	2,704	1	0	1	118	2,905	1	0	1	126	2,922	1	0	1	127	1,704	1	0	1	74
	TFTM	2,811	1	0	1	122	3,019	1	0	1	131	3,038	1	0	1	132	1,771	0	0	1	77		
	530 mA	35W	T2S	4,079	1	0	1	117	4,380	1	0	1	125	4,407	1	0	1	126	2,504	1	0	1	72
			T2M	3,887	1	0	1	111	4,174	1	0	1	119	4,201	1	0	1	120	2,387	1	0	1	68
			T3S	4,033	1	0	1	115	4,331	1	0	1	124	4,359	1	0	1	125	2,477	1	0	1	71
			T3M	3,993	1	0	2	114	4,288	1	0	2	123	4,315	1	0	2	123	2,451	1	0	1	70
			T4M	3,912	1	0	2	112	4,201	1	0	2	120	4,227	1	0	2	121	2,402	1	0	1	69
	TFTM	4,066	1	0	2	116	4,366	1	0	2	125	4,394	1	0	2	126	2,496	1	0	1	71		
	700 mA	46W	T2S	5,188	1	0	1	113	5,572	1	0	1	121	5,607	1	0	1	122	3,065	1	0	1	67
			T2M	4,945	1	0	2	108	5,309	1	0	2	115	5,343	1	0	2	116	2,921	1	0	1	64
			T3S	5,131	1	0	2	112	5,510	1	0	2	120	5,544	1	0	2	121	3,031	1	0	1	66
			T3M	5,078	1	0	2	110	5,454	1	0	2	119	5,487	1	0	2	119	3,000	1	0	1	65
			T4M	4,975	1	0	2	108	5,343	1	0	2	116	5,376	1	0	2	117	2,939	1	0	1	64
	TFTM	5,172	1	0	2	112	5,554	1	0	2	121	5,589	1	0	2	122	3,055	1	0	1	66		
	1000 mA	73W	T2S	7,204	1	0	2	99	7,736	2	0	2	106	7,784	2	0	2	107	4,429	1	0	1	61
			T2M	6,865	1	0	2	94	7,373	2	0	2	101	7,419	2	0	2	102	4,221	1	0	1	58
			T3S	7,125	1	0	2	98	7,651	1	0	2	105	7,698	1	0	2	105	4,380	1	0	1	60
			T3M	7,052	1	0	2	97	7,573	2	0	2	104	7,620	2	0	2	104	4,335	1	0	2	59
			T4M	6,909	1	0	2	95	7,420	1	0	2	102	7,466	1	0	2	102	4,248	1	0	2	58
	TFTM	7,182	1	0	2	98	7,712	1	0	2	106	7,761	1	0	2	106	4,415	1	0	2	60		

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	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.98

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the DSXW1 LED 20C 1000 platform in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

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

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.95	0.93	0.88

Electrical Load

LEDs	Drive Current (mA)	System Watts	Current (A)					
			120V	208V	240V	277V	347V	480V
10C	350	14 W	0.13	0.07	0.06	0.06	-	-
	530	20 W	0.19	0.11	0.09	0.08	-	-
	700	27 W	0.25	0.14	0.13	0.11	-	-
	1000	40 W	0.37	0.21	0.19	0.16	-	-
20C	350	24 W	0.23	0.13	0.12	0.10	-	-
	530	36 W	0.33	0.19	0.17	0.14	-	-
	700	47 W	0.44	0.25	0.22	0.19	0.15	0.11
	1000	74 W	0.69	0.40	0.35	0.30	0.23	0.17

Motion Sensor Default Settings

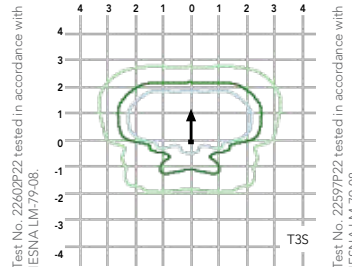
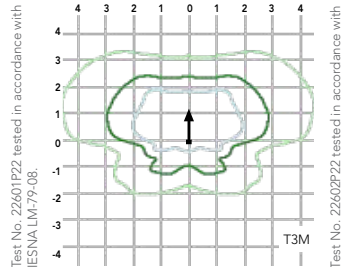
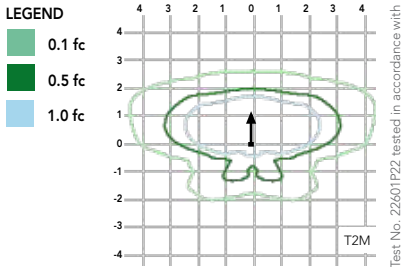
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min

*For use when motion sensor is used as dusk to dawn control

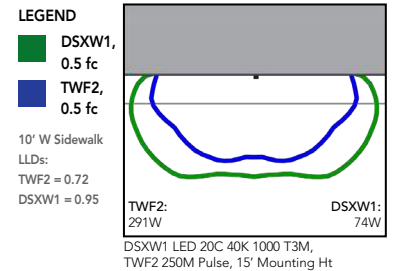
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Wall Size 1 homepage](#).

Isfootcandle plots for the DSXW1 LED 20C 1000 40K. Distances are in units of mounting height (15').



Distribution overlay comparison to 250W metal halide.



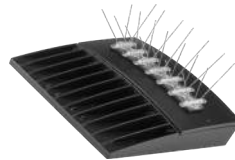
Options and Accessories



T3M (left)



HS - House-side shields



BSW - Bird-deterrent spikes



VG - Vandal guard



DDL - Diffused drop lens

FEATURES & SPECIFICATIONS

INTENDED USE

The energy savings, long life and easy-to-install design of the D-Series Wall Size 1 make it the smart choice for building-mounted doorway and pathway illumination for nearly any facility.

CONSTRUCTION

Two-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. The LED driver is mounted to the door to thermally isolate it from the light engines for low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65).

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 textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses provide multiple photometric distributions tailored specifically to building mounted applications. Light engines are available in 3000 K (70 min. CRI), 4000 K (70 min. CRI) or 5000 K (70 min. CRI) configurations.

ELECTRICAL

Light engine(s) consist of 10 high-efficacy LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life (L88/100,000 hrs at 25°C). Class 1 electronic drivers have a power factor >90%, THD <20%, and a minimum 2.5KV surge rating. When ordering the SPD option, a separate surge protection device is installed within the luminaire which meets a minimum Category C Low (per ANSI/IEEE C62.41.2).

INSTALLATION

Included universal mounting bracket attaches securely to any 4" round or square outlet box for quick and easy installation. Luminaire has a slotted gasket wireway and attaches to the mounting bracket via corrosion-resistant screws.

LISTINGS

CSA certified to U.S. and Canadian standards. Rated for -40°C minimum ambient.

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

BUY AMERICAN

This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/resources/buy-american for additional information.

WARRANTY

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

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

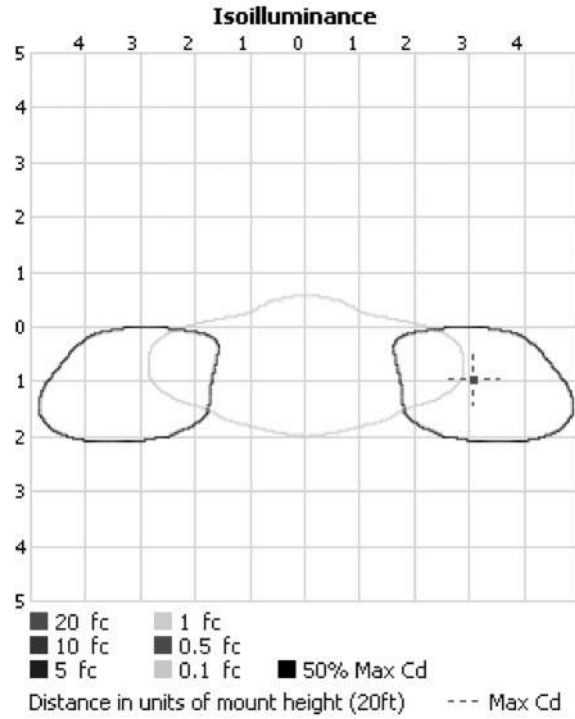
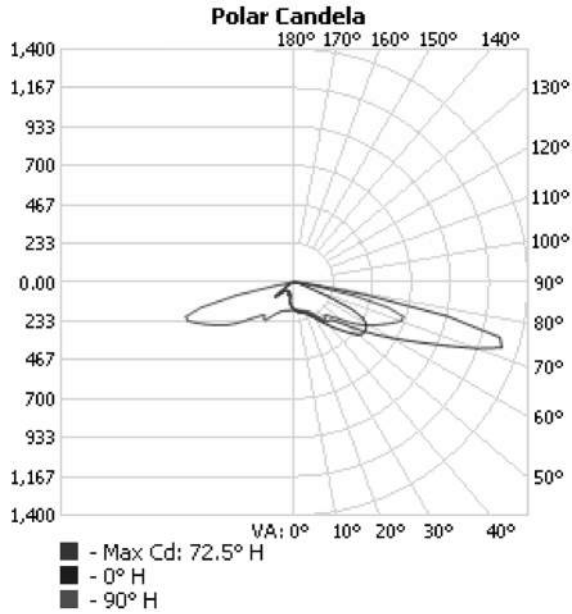


OUTDOOR PHOTOMETRIC REPORT

CATALOG: DSXW1 LED 10C 350 30K T2M MVOLT



Test #: LTL25747P115
 Test Lab: SCALED PHOTOMETRY
 Test Notes: SCALED FROM ABSOLUTE TEST: LTL25747
 Catalog: DSXW1 LED 10C 350 30K T2M MVOLT
 Description: DSXW1 LED WITH (1) 10 LED LIGHT ENGINES, TYPE T2M OPTIC, 3000K, @ 350mA.
 Series: D-Series Wall Size 1
 Lamp Output: Total luminaire Lumens: 1349.1, absolute photometry *
 Input Wattage: 13.3
 Luminous Opening: Rectangle (L: 2.88", W: 12.48")
 Max Cd: 1,302.9 at Horizontal: 72.5°, Vertical: 72.5°
 Roadway Class: MEDIUM, TYPE III



*Test based on absolute photometry where lamp lumens=lumens total.
 *Cutoff Classification and efficiency cannot be properly calculated for absolute photometry.

Visual Photometric Tool 1.2.46 copyright 2022, Acuity Brands Lighting.
 This Photometric report has been generated using methods recommended by the IESNA. Calculations are based on Photometric data provided by the manufacturer, and the accuracy of this Photometric report is dependent on the accuracy of the data provided. End-user environment and application (including, but not limited to, voltage variation and dirt accumulation) can cause actual Photometric performance to differ from the performance calculated using the data provided by the manufacturer. This report is provided without warranty as to accuracy, completeness, reliability or otherwise. In no event will Acuity Brands Lighting be responsible for any loss resulting from any use of this report.

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	136.0	10.1%
0-40	255.7	19%
0-60	709.5	52.6%
60-90	639.6	47.4%
70-100	296.7	22%
90-120	0.000	0%
0-90	1,349.1	100%
90-180	0.000	0%
0-180	1,349.1	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	15.9	1.2%	90-100	0.000	0%
10-20	45.4	3.4%	100-110	0.000	0%
20-30	74.7	5.5%	110-120	0.000	0%
30-40	119.7	8.9%	120-130	0.000	0%
40-50	179.7	13.3%	130-140	0.000	0%
50-60	274.1	20.3%	140-150	0.000	0%
60-70	342.9	25.4%	150-160	0.000	0%
70-80	258.3	19.1%	160-170	0.000	0%
80-90	38.4	2.8%	170-180	0.000	0%

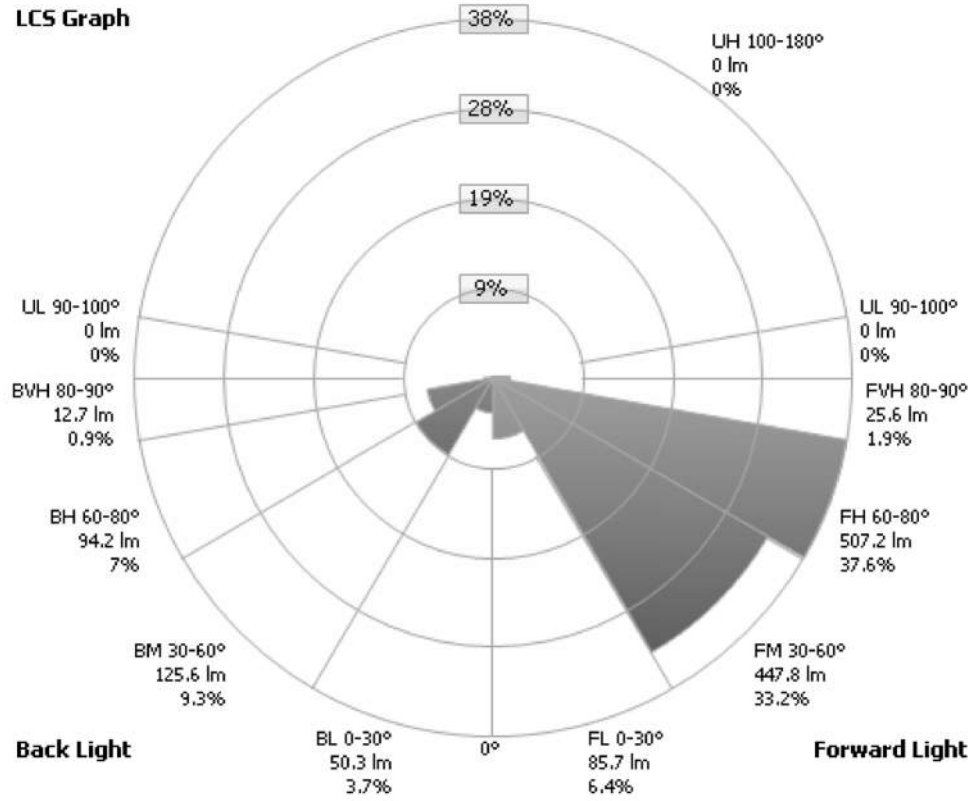
Roadway Summary

Distribution:	TYPE III, MEDIUM	
Max Cd, 90 Deg Vert:	0.000	
Max Cd, 80 to <90 Deg:	446.3	
	<u>Lumens</u>	<u>% Lamp</u>
Downward Street Side:	1,066.3	79%
Downward House Side:	282.8	21%
Downward Total:	1,349.1	100%
Upward Street Side:	0.000	0%
Upward House Side:	0.000	0%
Upward Total:	0.000	0%
Total Lumens:	1,349.1	100%

LCS Table

BUG Rating	B0 - U0 - G1	
Forward Light	Lumens	Lumens %
Low(0-30):	85.7	6.4%
Medium(30-60):	447.8	33.2%
High(60-80):	507.2	37.6%
Very High(80-90):	25.6	1.9%
Back Light		
Low(0-30):	50.3	3.7%
Medium(30-60):	125.6	9.3%
High(60-80):	94.2	7%
Very High(80-90):	12.7	0.9%
Uplight		
Low(90-100):	0.000	0%
High(100-180):	0.000	0%
Trapped Light:	0.0	0%

LCS Graph



Back Light

Forward Light

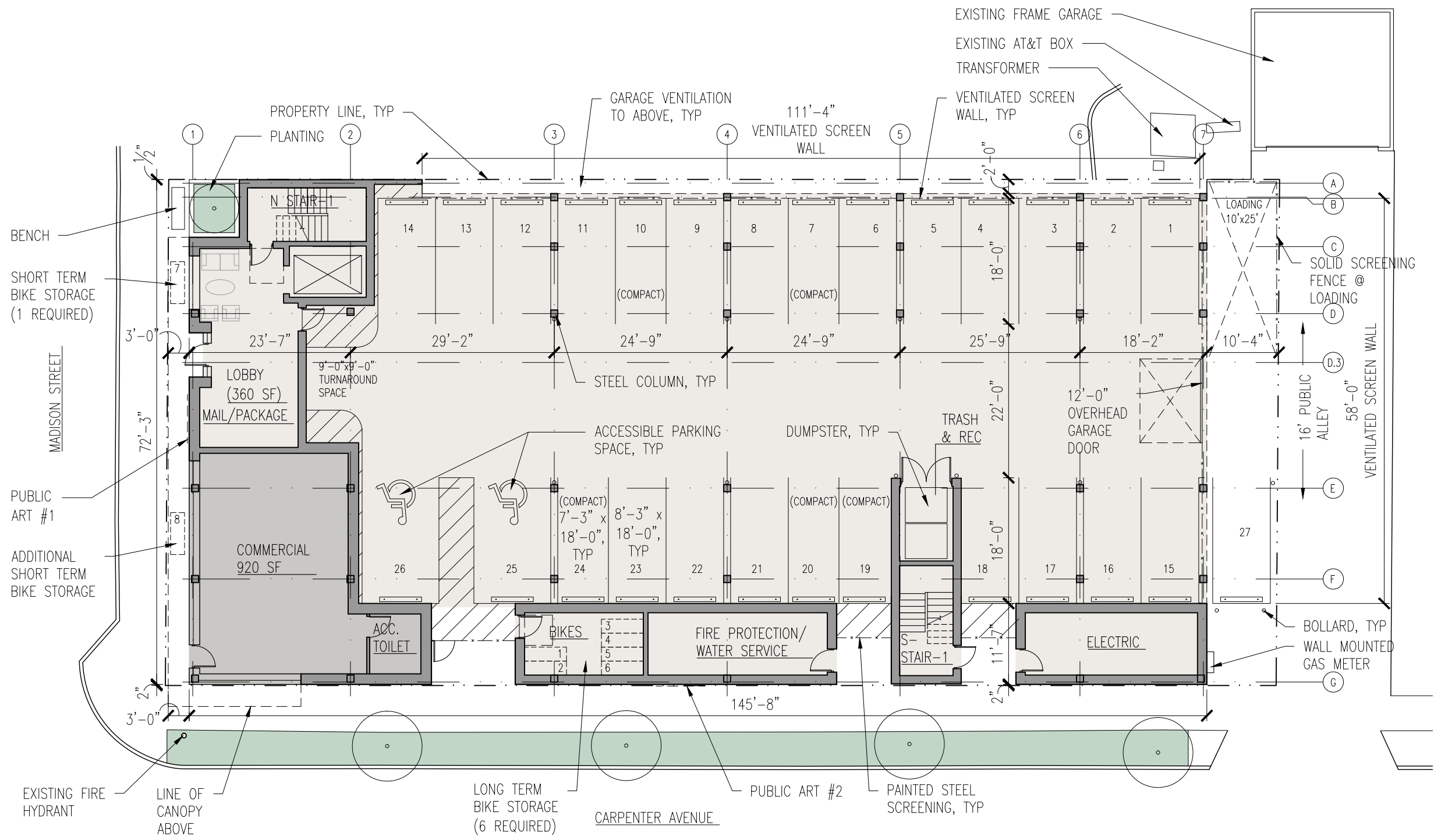
Scale = Max LCS %

☉ Trapped Light: 0 lm, 0%

Candela Table - Type C

	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166	166
5	178	180	179	179	179	176	174	172	169	167	163	161	158	156	155	153	152	152	151
10	183	184	184	185	185	185	183	181	175	171	164	159	154	151	147	142	138	136	131
15	188	191	189	189	188	189	189	189	183	177	167	158	148	136	123	117	115	112	104
20	201	203	204	205	202	197	196	197	190	182	167	153	129	103	91	83	78	76	74
25	219	224	221	220	220	214	207	209	205	193	172	144	100	82	76	73	73	75	81
30	249	254	249	245	238	234	231	234	236	215	180	126	85	76	85	83	75	66	64
35	293	302	291	279	266	256	258	276	283	255	195	114	84	84	72	64	63	63	64
40	349	356	343	329	313	294	297	307	292	287	206	116	93	75	64	65	66	66	67
45	412	419	399	382	357	335	330	325	324	282	180	107	83	65	68	69	71	70	68
50	489	487	460	434	414	380	369	392	405	339	178	102	69	68	75	76	81	90	103
55	514	512	504	489	479	440	437	499	542	430	171	92	68	76	95	121	144	136	101
60	494	485	491	517	547	518	542	648	696	514	153	87	70	105	156	133	83	67	62
65	375	350	391	459	568	614	711	847	879	595	125	85	80	131	133	75	59	55	52
70	88	90	118	183	408	674	944	1141	1133	679	97	84	94	118	75	50	43	39	35
75	39	41	58	84	122	271	847	1247	1120	578	76	78	82	67	44	33	29	25	23
80	22	23	32	43	70	89	156	428	333	119	69	88	73	42	28	20	16	14	12
85	11	11	15	20	29	41	55	78	67	28	37	65	39	21	14	9	8	7	6
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Application Item 8.e – Floor Plans



ACCESSIBLE	2
STANDARD	20
COMPACT	5
TOTAL	27
	(24 REQUIRED)

First Floor Plan/Site Plan NORTH

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

TOTAL FLOOR AREA: 9,915 SF

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

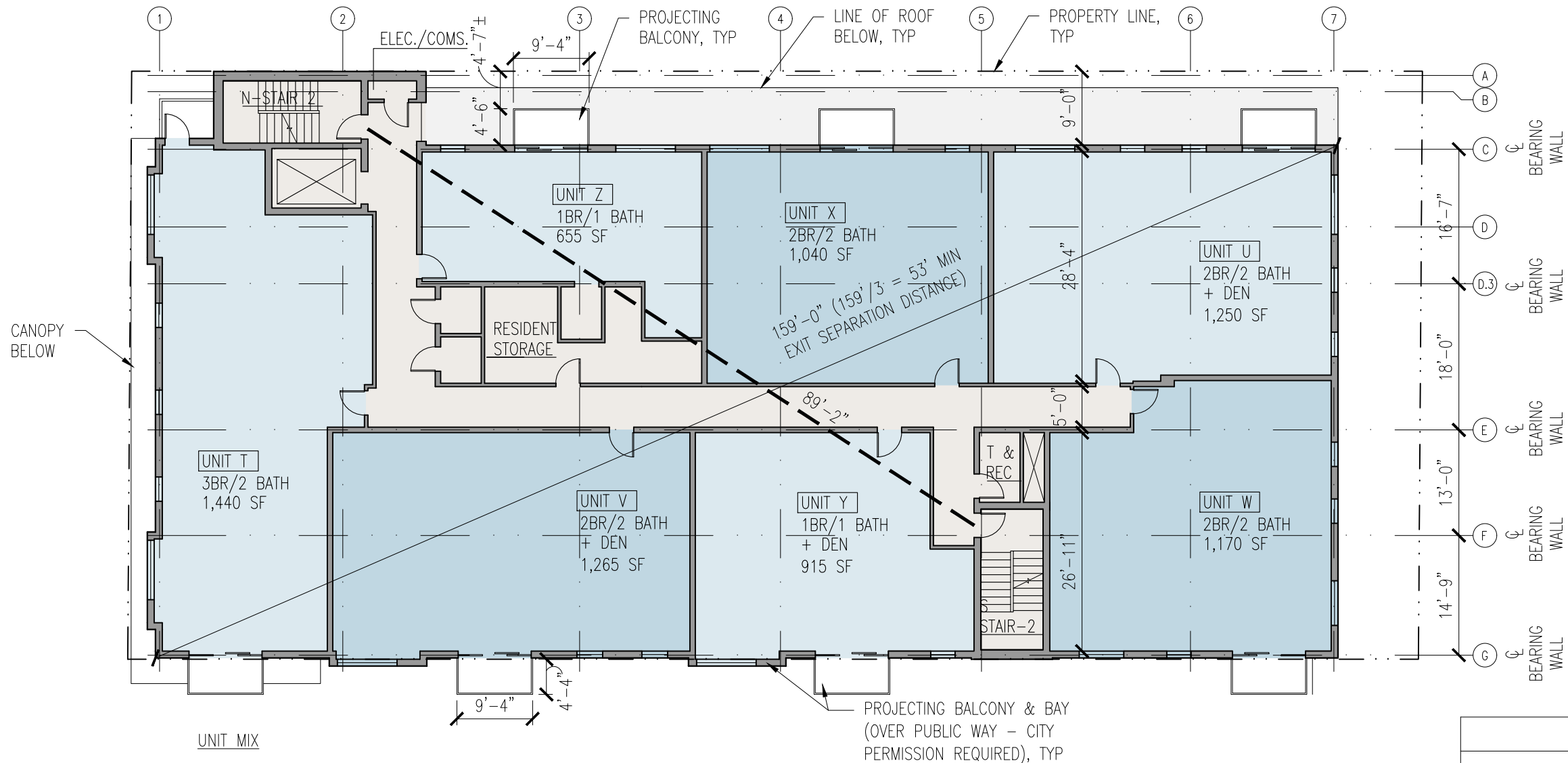


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First Floor/Site Plan
PD2.1



UNIT MIX

LABEL	UNIT DESCRIPTION	# OF UNITS	SF PER UNIT
UNIT Z	1BR/1 BATH	3	655
UNIT Y	1BR/1 BATH + DEN	4	915
UNIT X	2BR/2 BATH	3	1,040
UNIT W	2BR/2 BATH (CORNER)	3	1,170
UNIT V	2BR/2 BATH + DEN	4	1,265
UNIT U	2BR/2 BATH + DEN (CORNER)	3	1,250
UNIT T	3BR/2 BATH	4	1,440
TOTAL		24	

2nd - 4th Floor Plan
 SCALE: 1/16" = 1'-0"
 TOTAL FLOOR AREA: 9,500 SF/FLOOR

	FLOOR AREA BREAKDOWN			TOTAL
	COMMERCIAL	COMMON/MECH	RESIDENTIAL UNITS	
1ST FLOOR	920	8995	0	9,915
2ND FLOOR	0	1770	7,730	9,500
3RD FLOOR	0	1770	7,730	9,500
4TH FLOOR	0	1770	7,730	9,500
5TH FLOOR	0	3,740	3,640	7,380
TOTAL	920	18,045	26,830	45,795

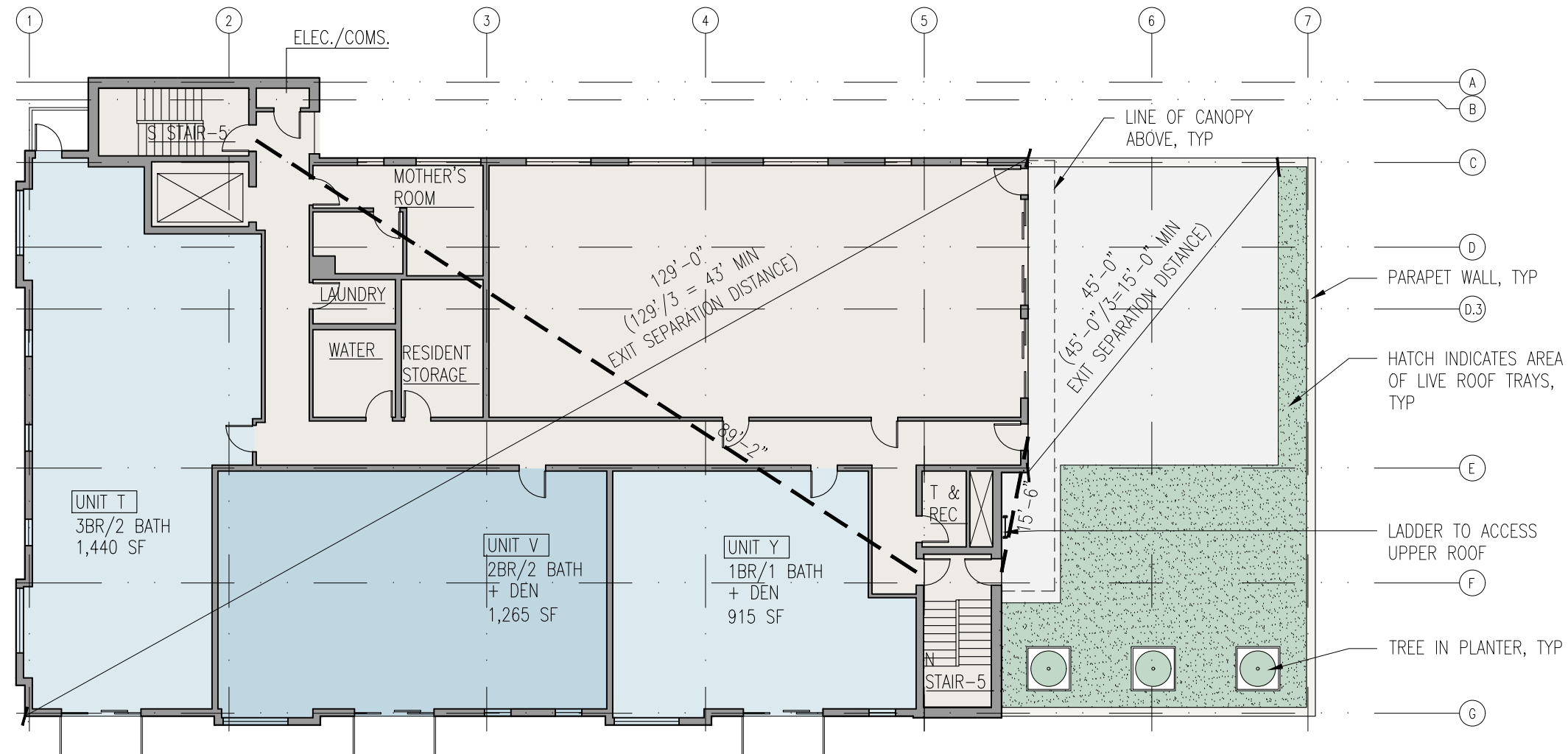


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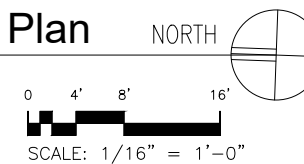
2nd - 4th Floor Plan
PD2.2



5th Floor/Lower Roof Plan

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

TOTAL FLOOR AREA: 7,380 SF

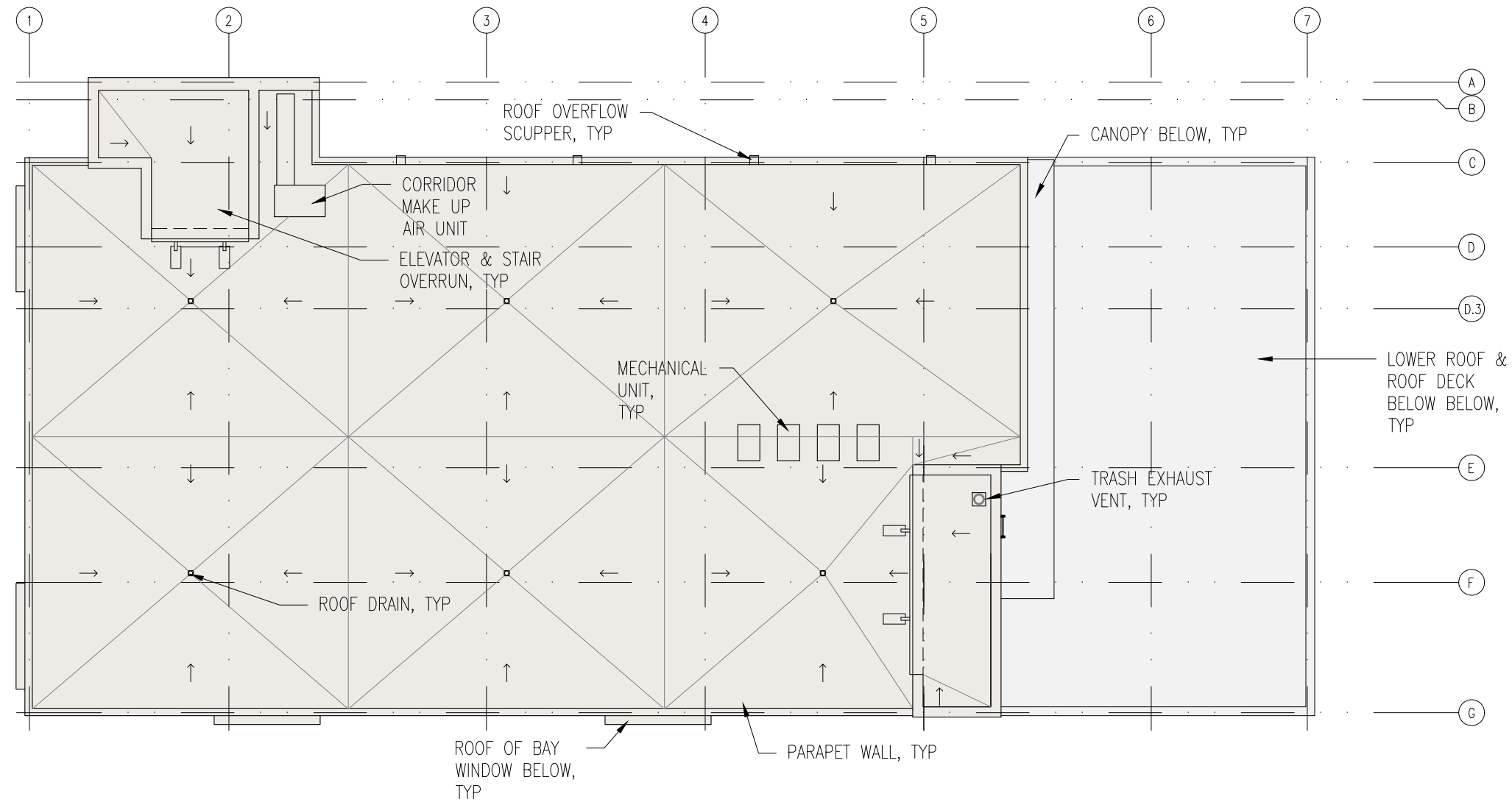


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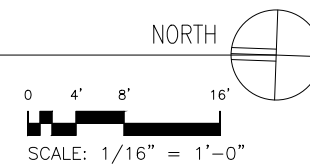
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5th Flr/Lower Roof Plan
PD2.3



Upper Roof Plan

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



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Upper Roof Plan

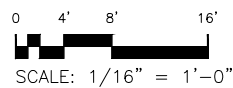
PD2.4

Application Item 8.f – Building Elevations



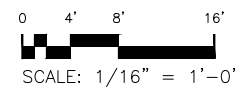
North Elevation (Madison St)

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



West Elevation (Carpenter Ave)

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

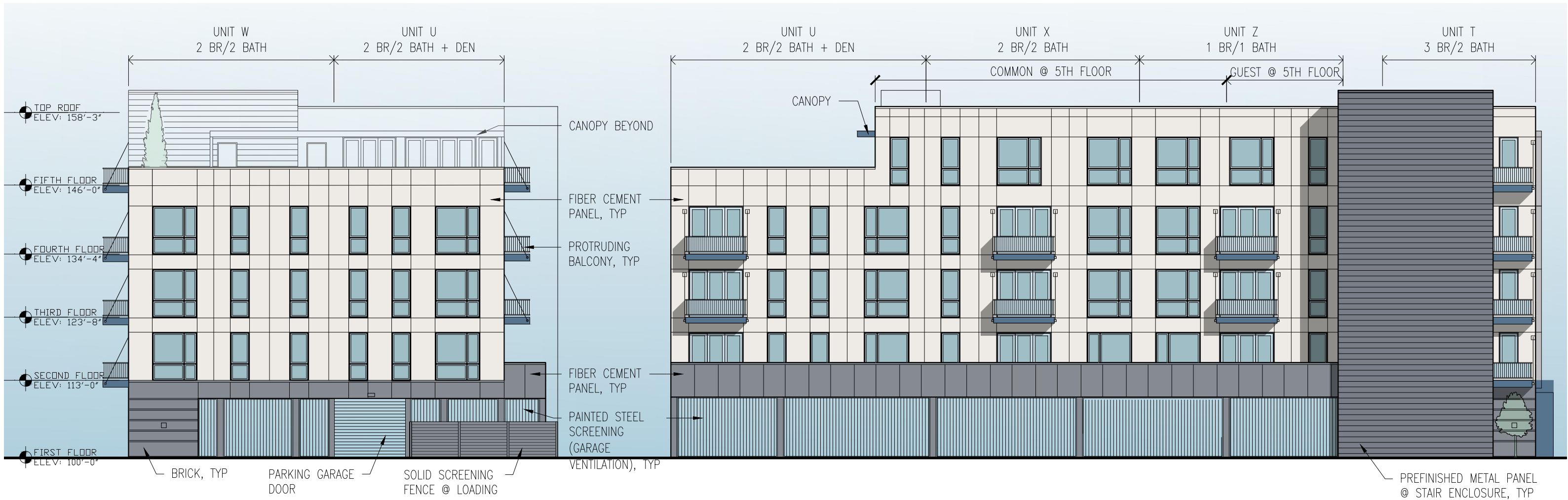


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Preliminary - For Review

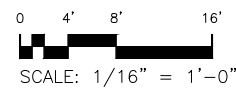
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Building Elevations
PD3.1



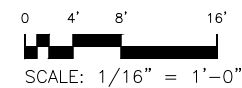
South Elevation (Alley)

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



East Elevation

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



Application Item 8.g – Building Perspectives



Perspective Looking S/E on Madison Street

SCALE: NTS



3717 North Ravenswood Suite 111
Chicago, Illinois 60613
773.327.1000

9/13/2022
Planned Development Submittal

Oak Park Commons
839 Madison Street
Oak Park, Illinois 60302

Building Perspective

PD3.5



Perspective Looking S/W on Madison Street

SCALE: NTS



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Chicago, Illinois 60613
773.327.1000

9/13/2022
Planned Development Submittal

Oak Park Commons
839 Madison Street
Oak Park, Illinois 60302

Building Perspective
PD3.6

Application Item 8.h – Streetscape Elevations



North Streetscape Elevation (Along Madison Street)

SCALE: 1" = 20'-0"



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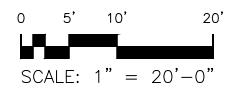
Oak Park Commons
 839 Madison Street
 Oak Park, Illinois 60302

Streetscape Elevation
PD3.3



West Streetscape Elevation (Along Carpenter Avenue)

SCALE: 1" = 20'-0"



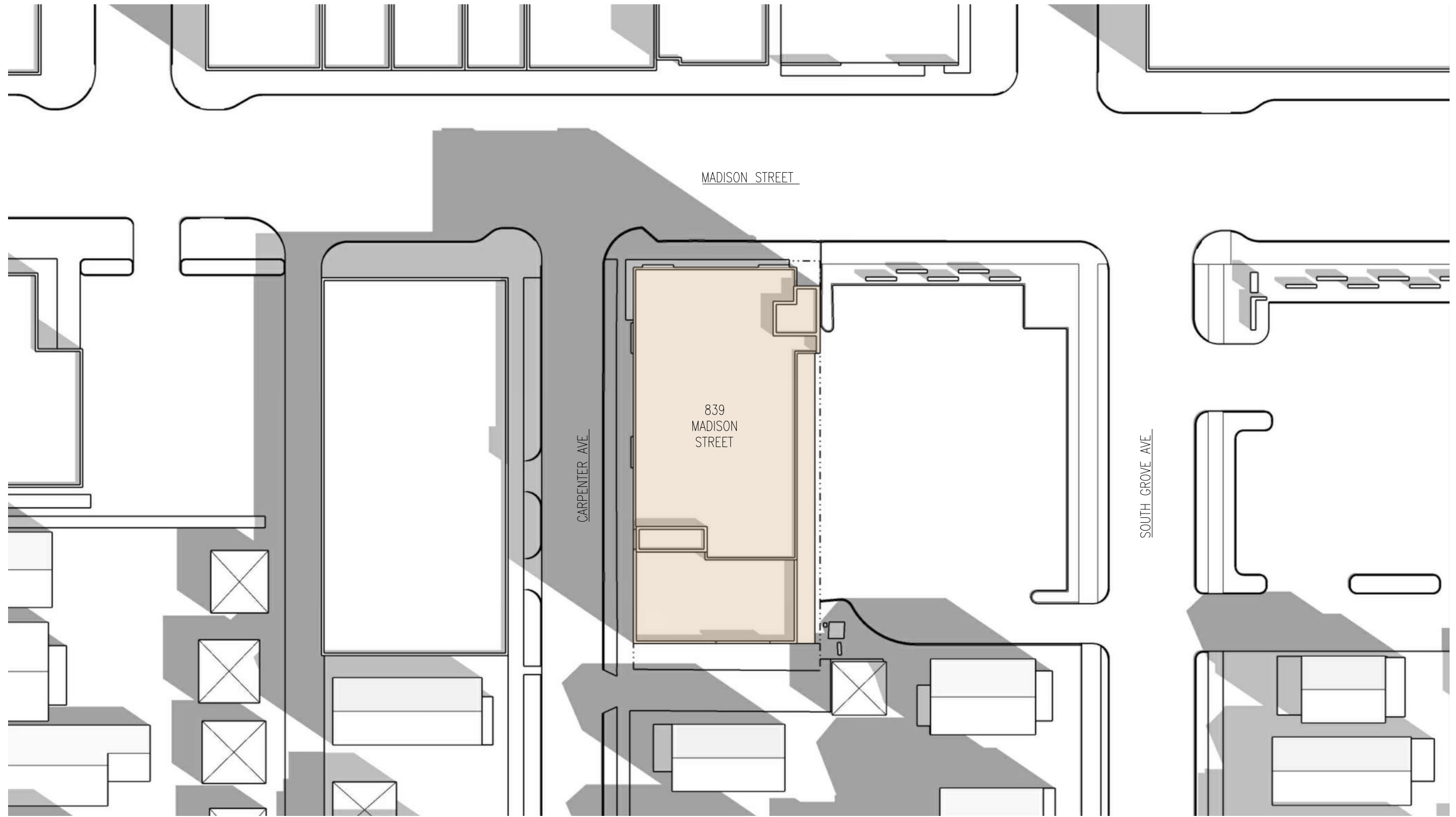
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Oak Park Commons
 839 Madison Street
 Oak Park, Illinois 60302

Streetscape Elevation
PD3.4

Application Item 8.i – Shadow Studies



March 20 at 10 AM

SCALE: 1" = 40'-0"



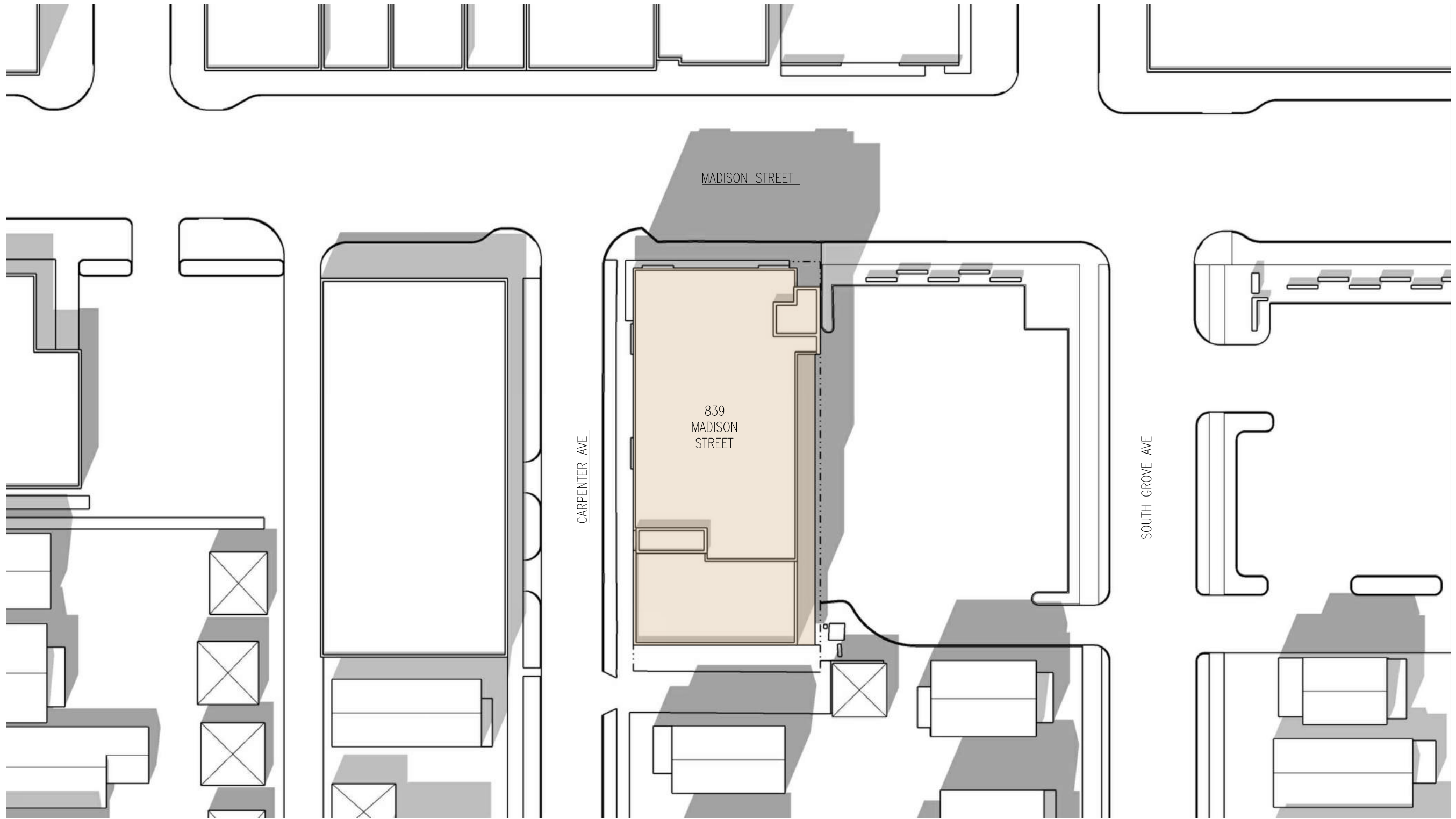
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Oak Park Commons
839 Madison Street
Oak Park, Illinois 60302

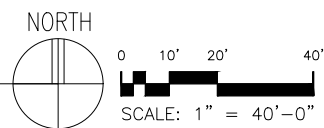
Shadow Study

PD4.1



March 20 at 2 PM

SCALE: 1" = 40'-0"



SCALE: 1" = 40'-0"



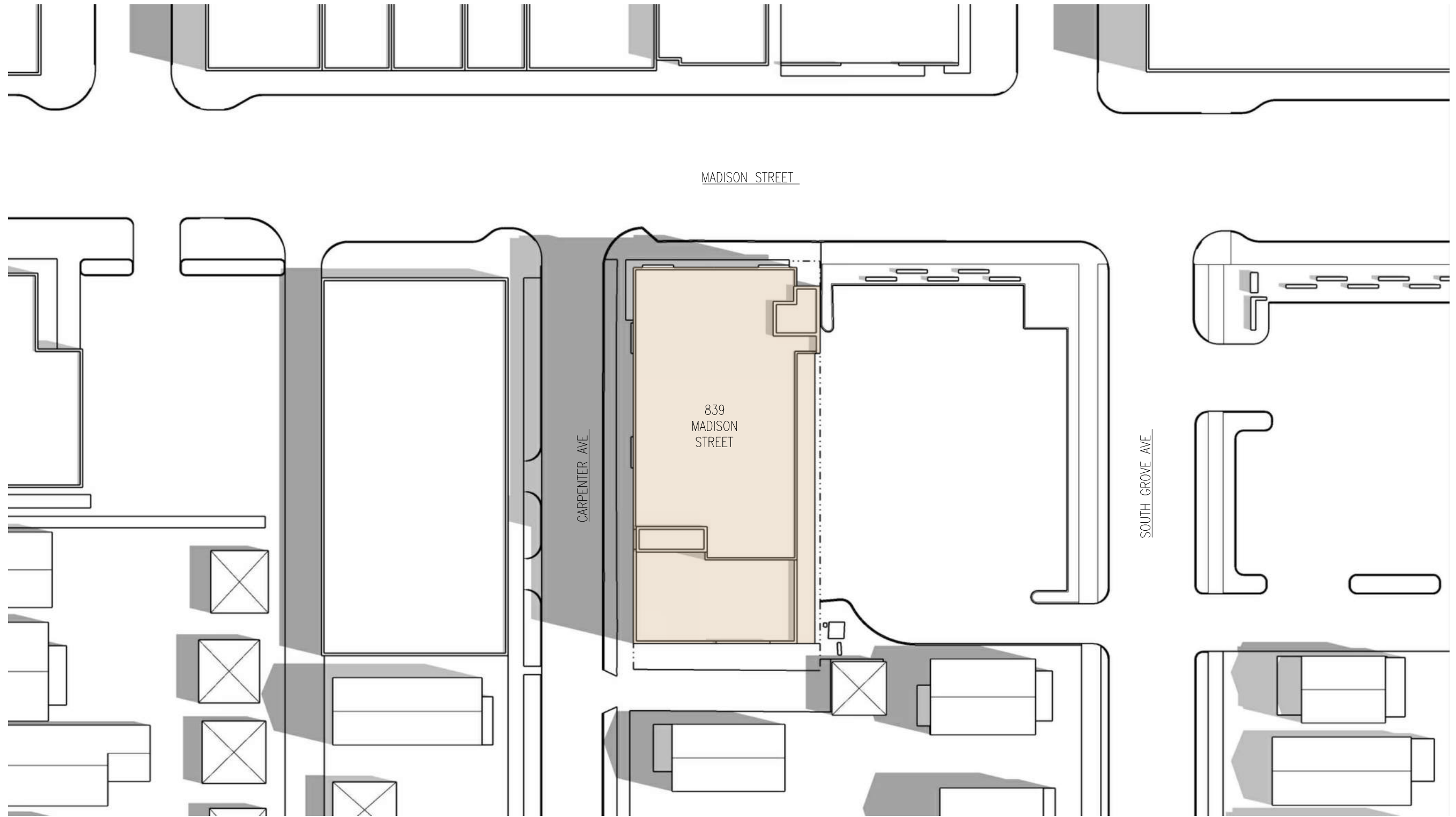
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Planned Development Submittal

Oak Park Commons
839 Madison Street
Oak Park, Illinois 60302

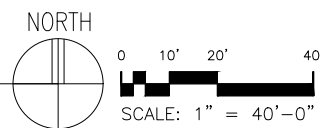
Shadow Study

PD4.2



June 21 at 10 AM

SCALE: 1" = 40'-0"



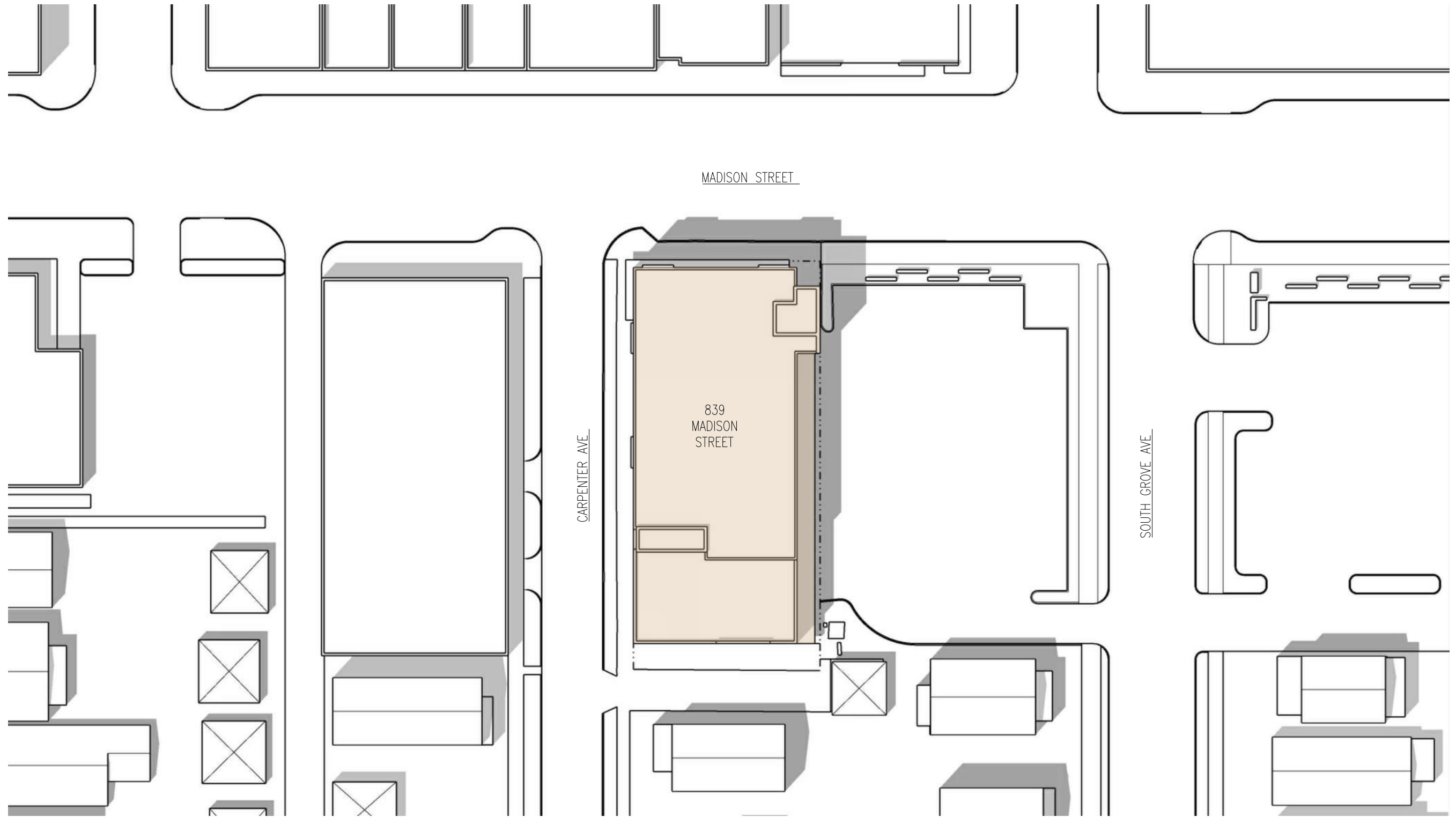
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773.327.1000

9/13/2022
Planned Development Submittal

Oak Park Commons
839 Madison Street
Oak Park, Illinois 60302

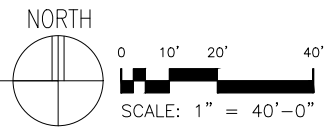
Shadow Study

PD4.3



June 21 at 2 PM

SCALE: 1" = 40'-0"



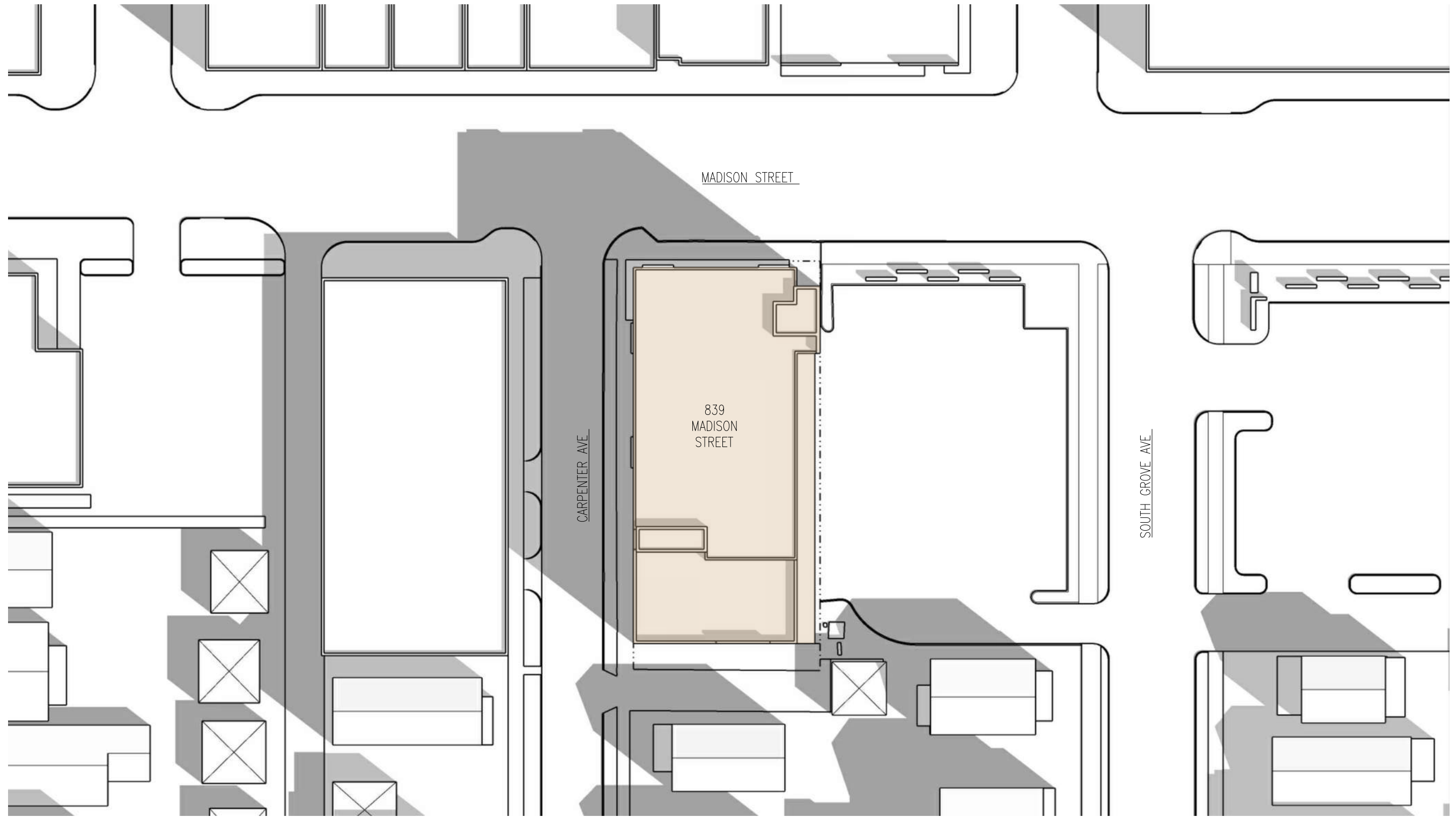
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9/13/2022
Planned Development Submittal

Oak Park Commons
839 Madison Street
Oak Park, Illinois 60302

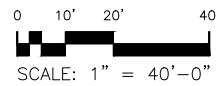
Shadow Study

PD4.4



September 22 at 10 AM

SCALE: 1" = 40'-0"



SCALE: 1" = 40'-0"



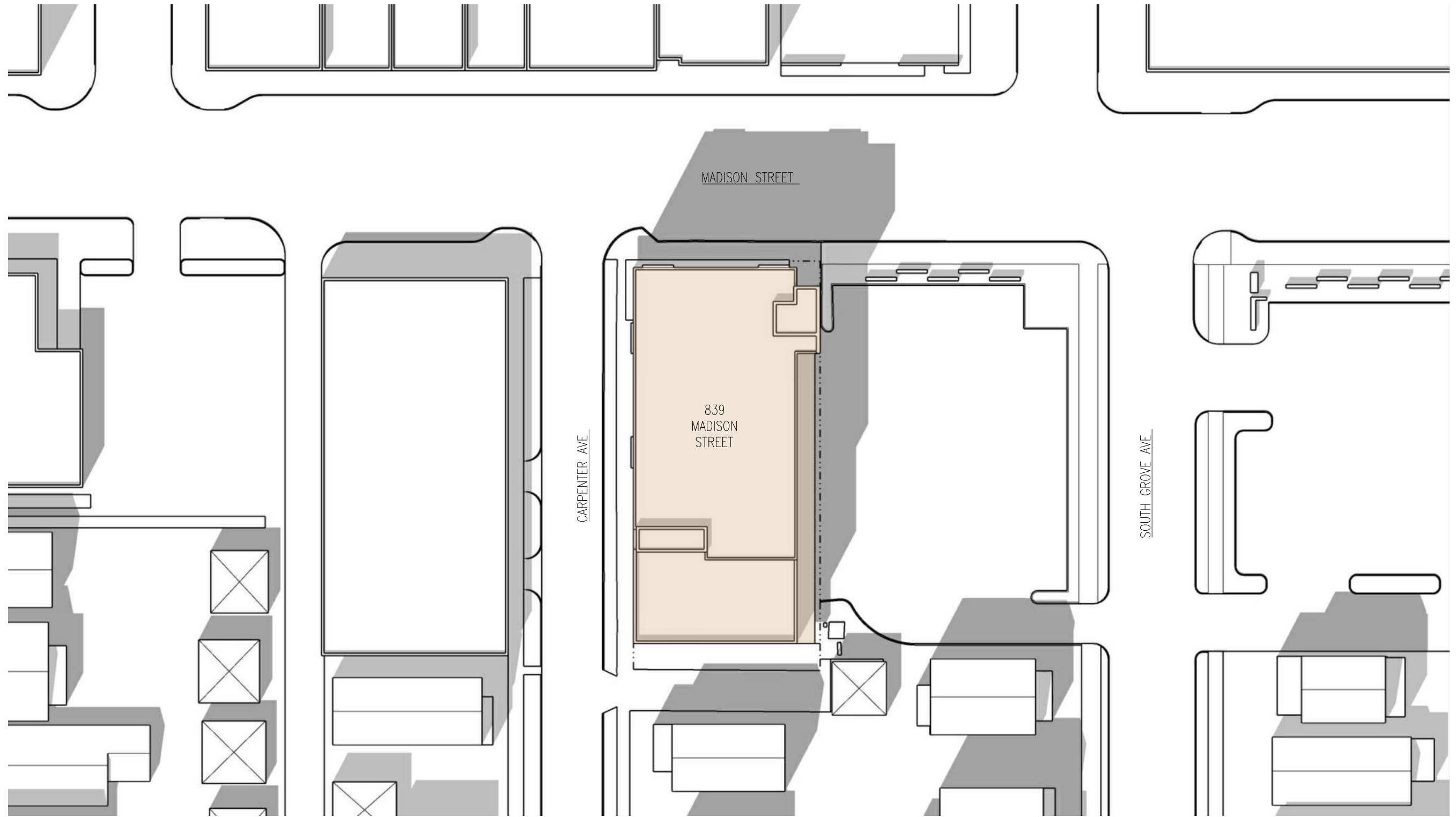
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773.327.1000

9/13/2022
Planned Development Submittal

Oak Park Commons
839 Madison Street
Oak Park, Illinois 60302

Shadow Study

PD4.5



September 22 at 2 PM

SCALE: 1" = 40'-0"



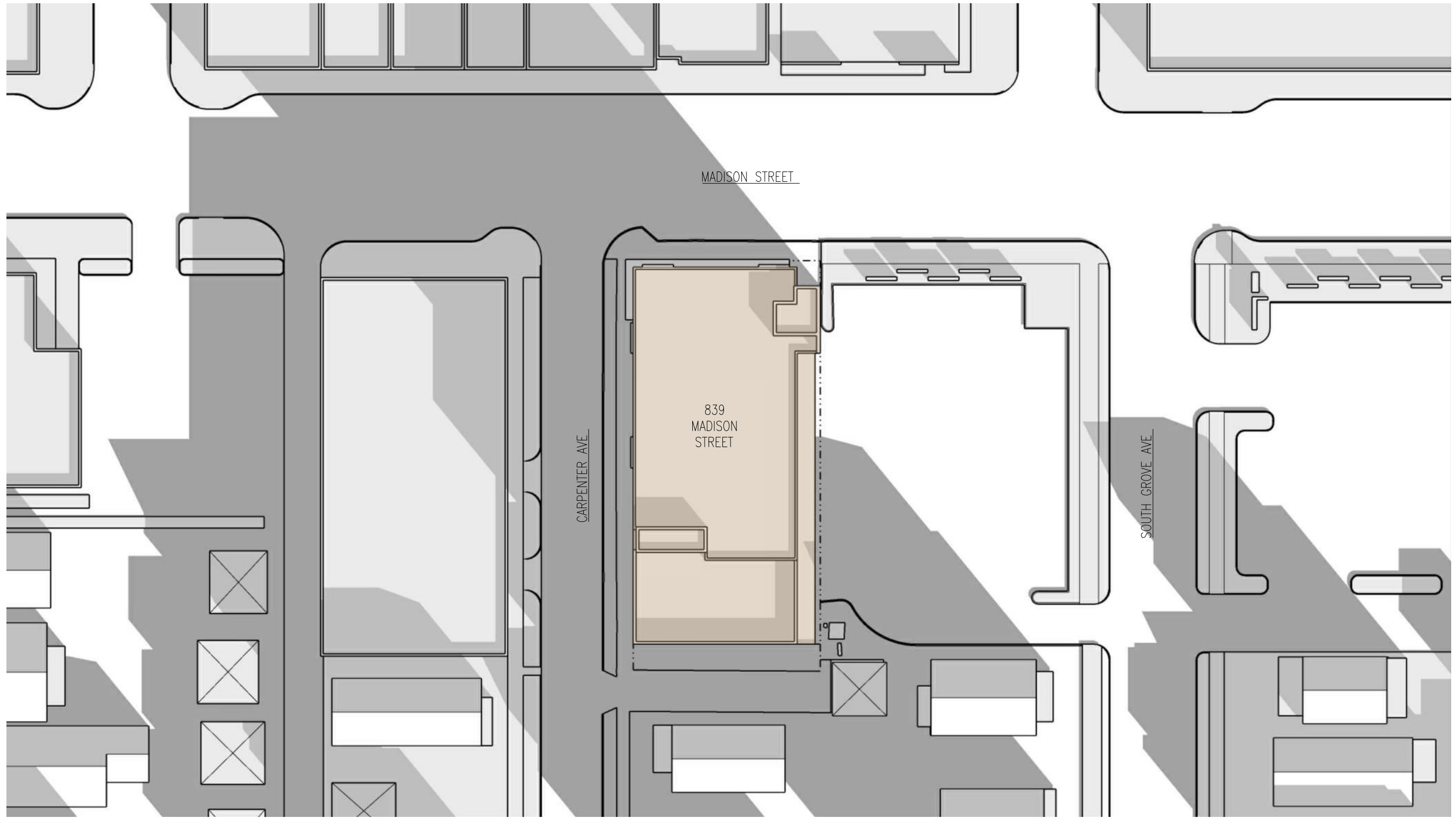
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Chicago, Illinois 60613
773.327.1000

9/13/2022
Planned Development Submittal

Oak Park Commons
839 Madison Street
Oak Park, Illinois 60302

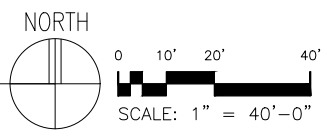
Shadow Study

PD4.6



December 21 at 10 AM

SCALE: 1" = 40'-0"

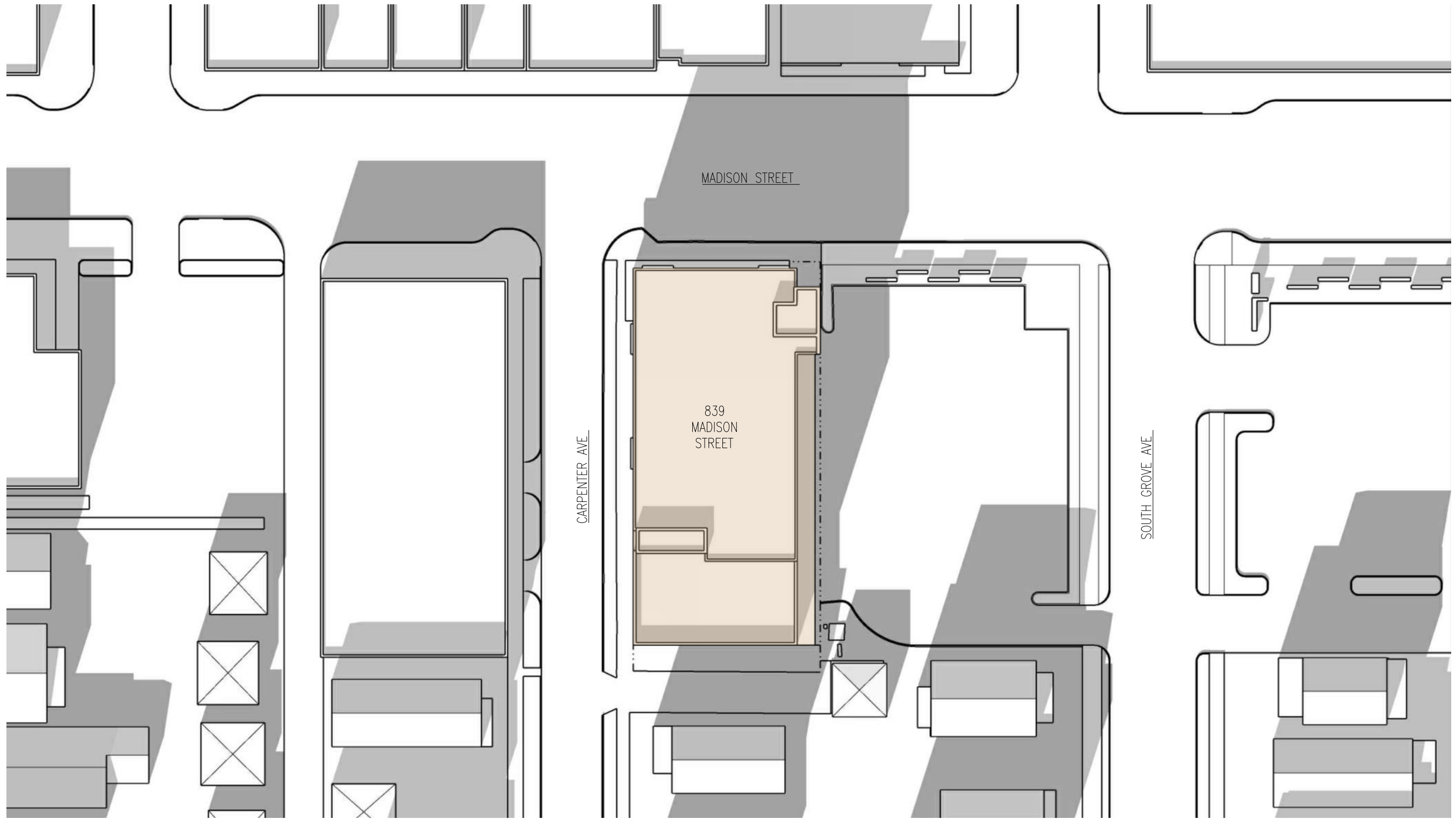


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9/13/2022
Planned Development Submittal

Oak Park Commons
839 Madison Street
Oak Park, Illinois 60302

Shadow Study
PD4.7



December 21 at 2 PM

SCALE: 1" = 40'-0"



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9/13/2022
Planned Development Submittal

Oak Park Commons
839 Madison Street
Oak Park, Illinois 60302

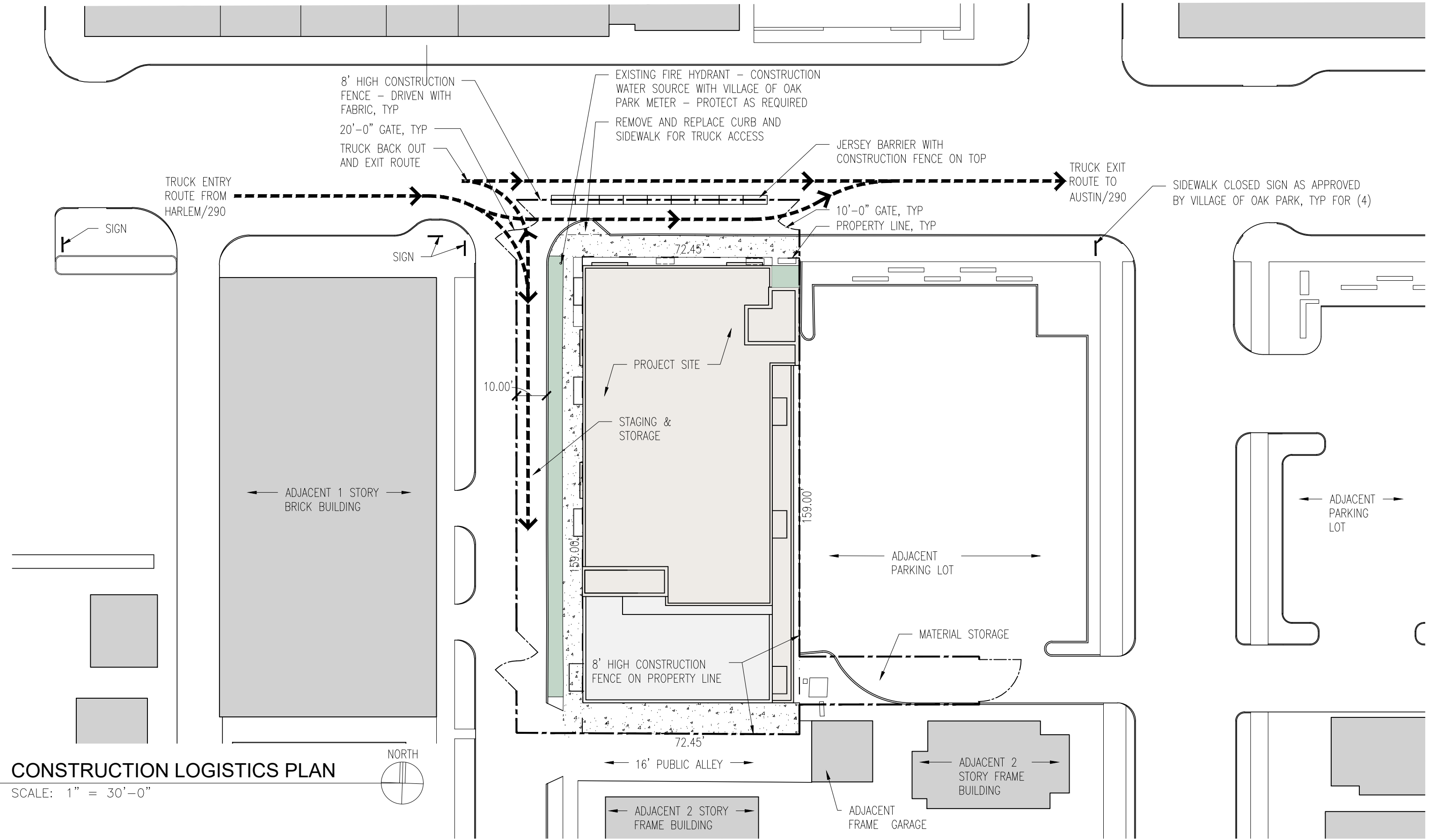
Shadow Study

PD4.8

Application Item 8.j – Statement of Sign Elevations

At this time, the Applicant does not seek a review of the signage for the proposed building. They propose to submit signage plan that is code compliant.

Application Item 8.k – Construction Logistics Plan



CONSTRUCTION LOGISTICS PLAN

SCALE: 1" = 30'-0"

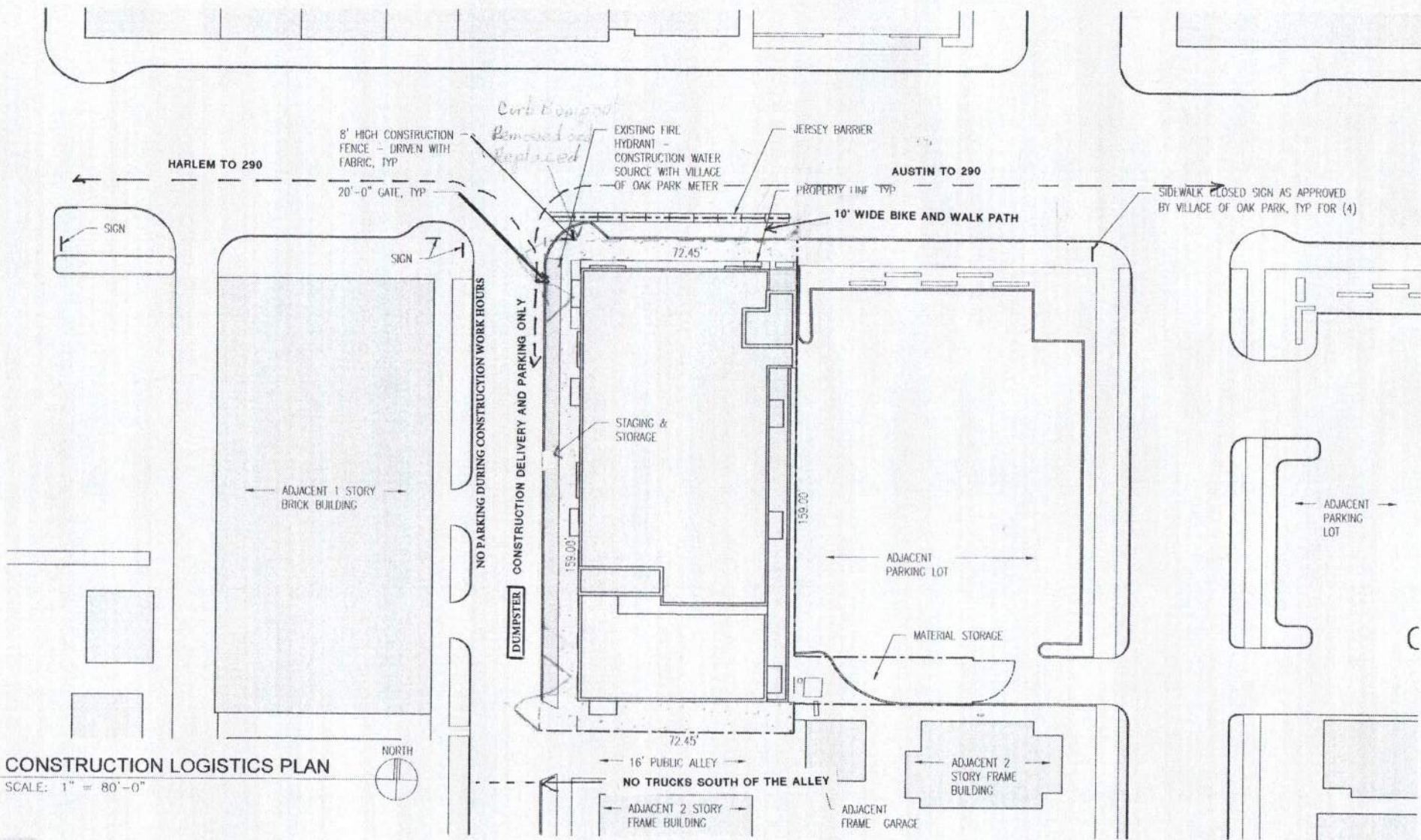


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9/13/2022
 Planned Development Submittal

Oak Park Commons
 839 Madison Street
 Oak Park, Illinois 60302

Logistics Plan
PD0.3



CONSTRUCTION LOGISTICS PLAN

SCALE: 1" = 80'-0"



FOSTER DALE ARCHITECTS
 3717 North Ravenswood Suite 111
 Chicago, Illinois 60613
 773.327.1000

8/11/2022
 Planned Development Submittal

Oak Park Commons
 839 Madison Street
 Oak Park, Illinois 60302

Logistics Plan
PD0.3



839 Madison Street (View Looking South)

SCALE: NTS



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Planned Development
7/12/2022
Preliminary Submittal

Oak Park Commons
Cohousing
839 Madison Street
Oak Park, Illinois 60302

Existing Condition

PD0.4

Application Item 8.1 – Project Schedule

Schedule - List - 839 Madison Street

ID #	Title	Duration Days	Start	End
1	Job set up	6	3/27/2023	4/3/2023
2	Excavaton	15	4/17/2023	5/5/2023
3	Footing forming and pour	20	5/8/2023	6/2/2023
4	Foundation wall forming and pour	30	5/26/2023	7/6/2023
5	Back fill	5	7/7/2023	7/13/2023
6	Masonry 1st floor	30	7/14/2023	8/24/2023
7	Structural Steel 1st floor	30	8/11/2023	9/21/2023
8	2nd floor steel deck preparation	10	9/15/2023	9/28/2023
9	2nd floor concrete pour	10	9/29/2023	10/12/2023
10	Masonry elevator towers	20	10/18/2023	11/14/2023
11	Framing start 2nd floor	25	11/8/2023	12/12/2023
12	Under ground plumbing & electric - Ground floor	15	11/8/2023	11/28/2023
13	3th floor trusses	15	12/6/2023	12/26/2023
14	Exterior Windows install	40	12/8/2023	2/7/2024
15	Rough Plumbing and HVAC 2nd floor	30	12/13/2023	1/29/2024
16	3 floor framing walls	25	12/27/2023	2/5/2024
17	Rough electric - 2nd floor	20	1/18/2024	2/14/2024
18	3th floor - rough plumbing and HVAC	30	1/30/2024	3/11/2024
19	4th floor trusses	15	1/30/2024	2/19/2024
20	Exterior facade siding	60	2/8/2024	5/1/2024
21	Building MEP Inspection	70	2/9/2024	5/16/2024
22	3th floor rough in Electric	30	2/15/2024	3/27/2024
23	Fire sprinkler system 2nd floor	15	2/15/2024	3/6/2024
24	5th floor walls	15	2/20/2024	3/11/2024
25	Buildng & MEP Inspections	60	2/22/2024	5/15/2024
26	Roof trusses	15	3/6/2024	3/26/2024
27	Fire sprinkler system 3rd floor	15	3/7/2024	3/27/2024
28	4th floor - Rough in plumbing and HVAC	15	3/12/2024	4/1/2024
29	Roofing 4th& 5th floor	25	3/20/2024	4/23/2024
30	4th floor - Rough in electric	20	3/28/2024	4/24/2024
31	Fire sprinkler system 4nd floor	15	3/28/2024	4/17/2024
32	5th floor rough in Plumbing and HVAC	5	4/2/2024	4/8/2024
33	Insulation 2nd floor	10	4/4/2024	4/17/2024
34	2nd floor drywall install	15	4/18/2024	5/8/2024
35	Fire sprinkler system 5th floor	10	4/18/2024	5/1/2024
36	Insulation 3th floor	10	4/18/2024	5/1/2024
37	5th floor - Rough in electric	10	4/25/2024	5/8/2024
38	3th floor drywall install	20	5/2/2024	5/29/2024
39	Insulation 4th floor	10	5/2/2024	5/15/2024
40	2nd Floor - Prime wall and Ceilings	5	5/9/2024	5/15/2024
41	2nd Floor tile install & wood flooring	15	5/16/2024	6/5/2024
42	Insulation 5th floor	5	5/16/2024	5/22/2024
43	3th Floor - Prime wall and Ceilings	7	5/30/2024	6/7/2024
44	4th floor drywall install	20	5/30/2024	6/26/2024

45	2nd floor -Trim & Kitchen cabinets /vanities	20	6/6/2024	7/3/2024
46	3th Floor tile install & wood flooring	15	6/6/2024	6/26/2024
47	4 th Floor - Prime wall and Ceilings	7	6/10/2024	6/18/2024
48	5th Floor - Prime wall and Ceilings	5	6/19/2024	6/25/2024
49	4th Floor tile install & wood flooring	15	6/27/2024	7/17/2024
50	5th floor drywall install	10	6/27/2024	7/10/2024
51	5th Floor tile install & wood flooring	10	6/27/2024	7/10/2024
52	2nd floor - Counters and Final MEP trim	15	7/4/2024	7/24/2024
53	3th floor -Trim & Kitchen cabinets /vanities	20	7/4/2024	7/31/2024
54	4th floor -Trim & Kitchen cabinets /vanities	25	7/18/2024	8/21/2024
55	2nd floor - Final Painting and floor finish	20	7/25/2024	8/21/2024
56	3th floor - Counters and Final MEP trim	10	7/25/2024	8/7/2024
57	4th floor - Counters and Final MEP trim	10	8/8/2024	8/21/2024
58	3th floor - Final Painting and floor finish	15	8/22/2024	9/11/2024
59	5th floor - Counters and Final MEP trim	5	8/22/2024	8/28/2024
60	5th floor -Trim & Kitchen cabinets /vanities	10	8/22/2024	9/4/2024
61	4th floor - Final Painting and floor finish	15	9/12/2024	10/2/2024
62	5th floor - Final Painting and floor finish	10	10/3/2024	10/16/2024

Note: There will be a designated construction manager whose 24-hour information will be posted in the site in view of public way.

Application Item 9 – Statement on Inclusionary Housing Plan

Application Item 9

Inclusionary Housing Plan

The Applicant and the Developer believe that this requirement does not apply to this application given the number of residential units that are being proposed.

Application Item 13 – Responses to PRT Feedback



Responses for the Project Review comments: Updated 9.16.22

1. Narrative. Please review narrative to include the relief sought for illumination along Carpenter Avenue and Madison Street. Also include your list of public benefits. Please refer to Article 14, Section 14.5 E of the Oak Park Zoning Ordinance. You should consider including a resurfacing or reconstruction of alley abutting the project to the south. Your development will be the primary user of the ROW. This can be considered a public benefit. Also, it appears that the building is proposed to be setback 3 feet along Madison Street per code. You should consider providing a public sidewalk easement over that area.

The Narrative has been revised. As part of the development the applicant will replace the public sidewalk in the west and the northside bordering the development property. The applicant will resurface the alley bordering the property at the southside. The applicant will provide 3' easement at the northside sidewalk. The applicant will provide public art on the Madison and Carpenter facades. The applicant will also provide commercial/retail space.

2. Public Art. Your plans indicate public art on the front facade. Please contact Tammie Grossman, Development Customer Service Director at the appropriate time to schedule a discussion with Camille Wilson-White, Executive Director of the Oak Park Area Arts Council. *The applicant in conversation with Camille Wilson-White to facilitate the public art on the facade.*
3. Please provide a zoning analysis as part of the narrative statement. *A zoning analysis is now included in the latest packet. Please note the only zoning relief we are seeking is to increase the building height.*
4. For the National Green Building Standards rating system, please add the proposed points for this project using its program checklist. We appreciate the silver level being offered. *The NGBS (National Green Building Standards) scoring checklist is now included in the latest packet.*
5. Please provide the current signed official Title documents. Those submitted are unofficial. We also need to understand all parties subject to the LLC. *The applicant has included the official Title Policy and clarification of the management of the company.*
6. Petition for Public Hearing, please include the relief sought for illumination. Also, please complete the explanation section at the bottom of page two. *Per Staff direction, no waiver is requested for illumination.*

7. Typically for the Village Services portion of the application, the applicant meetings with the Police Chief and Fire Chief to get their support for the project. Staff can facilitate that meeting, if the Chiefs feel the need to meet. Staff will follow up with you. *The applicant is working with Craig Failor to facilitate this meeting with the Police and Fire Chiefs, if necessary.*

8. Please provide a list and map of all taxpayers of record within 300 feet to be used for mailing meeting notice letters as well as the Affidavit of Notice. *The applicant has included the map and list of taxpayers on record within 300 feet as well as the Affidavit of Notice.*

9. Waiver Requests:

a. Parking Impact Study Staff supports this request.

Acknowledged, thank you.

b. Market Feasibility Study Staff supports this request.

Acknowledged, thank you.

10. Plans:

a. Landscape Plan: Are all of the parkway trees to be removed along Carpenter Avenue or just the one furthest north for staging purposes? Please add species and quantity of landscape materials for the subject site. *An updated landscape plan is now included in the latest packet.*

b. Site Plan: Please add dimension on the site plan similar to what is on the first-floor plan. Consider reversing the swing of the commercial door from out to in. Please check with Steve Cutaia, Chief Building Official to determine code compliance. *An updated plan is now included in the latest packet*

c. Streetscape Elevation: please provide. *The streetscape drawings were inadvertently omitted previously, an updated streetscape drawings are now included in the latest packet.*

d. Logistics Plan: Please add truck routes to and from site. *An updated construction logistics plan is now included in the latest packet.*

e. Shadow Study: Please add March and September months with the submitted December and June studies. *The additional shadow studies are now included in the latest packet.*

11. Please ensure the Village properly address the project and units. The Address compliance form can be found on the Village's website. *The applicant will ensure that the addresses for the development are consistent with Staff's request as outlined here and the address used for application purposes.*

12. Wight and Company has reviewed your project and has provided you initial comments. Final comments will be provided. Staff believes the Carpenter Avenue façade should be designed in a more pedestrian friendly manner. The west façade along the first floor level is mainly painted steel screening or a brick wall. Please review Article 7, Section 7.4 of the Zoning Ordinance regarding building façade standards. Please provide additional information on the venting system for the parking garage. *The western façade (along Carpenter Avenue) has been updated to show a second public art location so that the street frontage is broken into sections that do not exceed 40' (per 7.4 Building Standards, Building Façade Standards, section 4a.) The garage is an open garage (per IBC 2018 section 406.5 Open parking garages) which does not require a mechanical ventilation system.*

13. The balconies and bays hanging over the right-of-way will need an easement from the Village. Please contact Bill McKenna with questions about plans and process. *After Plan Development approval and prior to issuance of a building permit, the applicant will work collaboratively with the Village's Engineering department to establish easements for the balconies, bays and footings as shown on the drawings.*

14. The bottom of the balcony located on the rear of the proposed building, over the private parking space, is about 13 feet above grade. If trucks are to maneuver in that area for the loading dock, it is recommended that the balcony be no lower than 14.5 feet above grade. *The balcony for the apartment at the southwest corner of the building was relocated to be along Carpenter Avenue rather than the alley, so the vertical clearance of 14'6" can be met above the loading area and the maneuvering space above exterior parking space.*

15. Please keep in mind that the property to the east can be redeveloped as the parking spaces on that site are not required parking spaces for the Walgreens, but elective. Steve Cutaia is checking on the code compliance regarding distance from the east lot line to the window wall relative to fire rating. *The upper floors of the building are 9'1" west of the east property line and conform to the Fires Separation Distance requirements of the 2018 IBC section Table 602.*

16. Public Notice. Planned Development applications require three (3) types of notice for public hearings; a.) Newspaper notice, b.) Signs posted on the subject property (one on each street frontage) and c.) Mailed notices to property owners within 300 feet of the subject property sent by regular mail. The applicant will be responsible for the signs and mailed notices. Staff will prepare the notice for the newspaper and send for your review and approval. The applicant will be responsible to reimburse the Village of the newspaper notice expense. The next available Plan Commission meeting is October 6, 2022, pending final application submittal and completion. *The applicant will put up the sign and do the mailing per application requirements and reimburse Village for the newspaper notice expense.*

17. Items to consider as you approach the building permit stage.

- A fire sprinkler system will be required. Please send your request for the fire flow test on your company letter head to Orlando Velasquez in Public Works. You may need a fire pump if water flow is insufficient.
- A fire alarm system be will required.
- A Fire Department connection will be necessary and shall be located on the front of the building.
- You will be required to install a fire sprinkler system at each balcony.

Building will have sprinkler systems per code. The fire alarm system and the fire department connection (see North elevation) will be part of the project scope. If required, we will incorporate a sprinkler head at balconies. Applicant will contact Public Works to schedule a water flow test.



Responses for the Project Review comments:

1. As part of the development the applicant will replace the public sidewalk in the west and the northside bordering the development property. The applicant will resurface the southside of the alley bordering the property. The applicant will provide 3' easement at the northside sidewalk. The applicant will provide public art on the Madison and Carpenter facades. The applicant will also provide commercial/retail space.
2. The applicant in conversation with Camille Wilson-White to facilitate the public art on the façade.
5. The applicant has included the official Title Policy and clarification of management of the company.
7. The applicant is working with Craig Failor to facilitate this meeting with the Police and Fire chiefs, if necessary.
8. The applicant has included the map and list of taxpayers on record within 300 feet as well as the Affidavit of Notice.
11. The applicant will ensure that the addresses for the development are consistent with Staff's request as outlined here and the address used for application purposes.
13. After Plan Development approval and prior to issuance of a building permit, the applicant will work collaboratively with the Village's Engineering department and Law department so as to establish easements for the balconies and bays as shown on the drawings.
16. The applicant will put up the sign and do the mailing per application requirements.
17. Building will have sprinkler systems and fire alarm system. Applicant will contact Public Works to schedule a water flow test.

REVISED COMMENTS 09.14.2022

Site Plan PD0.1

1. The short term bike storage should be located closer to the door of the commercial space near the corner of Madison/Carpenter. *The applicant acknowledges that the drawings will be revised to include this item of work.*
2. The screening fence at the southeast corner of the property appears to limit access to the adjacent garage. *The applicant acknowledges that the drawings will be revised to include this item of work.*
3. The existing parking lot on the subject property and the existing parking lot on the adjacent property are partially separated by a concrete curb/island and partially connected by asphalt pavement and a gap in the concrete curb/island. What will be done to permanently separate the proposed development from the adjacent parking lot? *The applicant will have a continuous curb between the two properties.*
4. Will any public sidewalk, parkway landscaping, curb & gutter, roadway pavement be removed/replaced? *The applicant will remove and replace all public sidewalks and parkway along property landscaping line. Applicant will resurface the alley to the south of the property.*
5. Label public sidewalk, parkway landscaping, curb & gutter, roadway pavement be removed/replaced at existing driveway opening and modifications to alley and sidewalk replacement for full frontage. *The applicant acknowledges that the drawings will be revised to include this item of work.*
6. Include replacement of public alley with new PCC alley pavement per Village standards and change driveway apron to a traditional alley return. *The applicant acknowledges that the drawings will be revised to include this item of work.*
7. Show restoring any pavement markings impacted by the work. *The applicant acknowledges that the drawings will be revised to include this item of work.*

Utility Plan PD0.2

8. The proposed sanitary connection should be to the existing 36" combined sewer main in Madison St. *The applicant will work with Public Works and Engineering Dept. to come up with a mutually agreed plan for the sanitary connections.*
9. The proposed water service should be from the existing 8" water main in Madison St. *The applicant will work with Public Works and Engineering Dept. to come up with a mutually agreed plan for the water service.*
10. Water service will require a pressure connection with a tapping tee and valve in a valve vault and a gate valve in a valve box in the ROW. *The applicant acknowledges to include this item of work.*
11. Based on the Nicor atlas, the existing gas main is on the west side of Carpenter St. *The applicant acknowledges that the drawings will be revised to include this item of work.*

12. The proposed underground electric service may be partially located on the adjacent private property. *The applicant acknowledges that the drawings will be revised to include this item of work.*
13. Show disconnection of existing utilities: water service at the main (b-box and meter are in a meter pit in the Carpenter parkway); plugging sewer service at the main/manhole. *The applicant acknowledges that the drawings will be revised to include this item of work.*

Logistics Plan PD0.3

14. Pedestrian access on/along the south side of Madison St. shall be maintained during construction. Options include, but are not limited to, a shared 10' pedestrian/bike route on Madison St. protected by Jersey barriers, or the existing sidewalk on Madison St. with protective canopy. *The applicant will work with Public Works to come up with a mutually agreed plan to maintain pedestrian/bike traffic along Madison St.*
15. Construction fence will not be allowed to take any part of Carpenter St. – move it to the back of curb. *The applicant acknowledges that the drawings will be revised to include this item of work.*
16. Construction fence will not be allowed to take any part of Madison St. – move it to the back of curb or property line depending on how pedestrian access will be maintained. *The applicant acknowledges that the drawings will be revised to include this item of work.*
17. Show the access route for construction traffic to/from the proposed development. No construction traffic will be allowed on Carpenter St. south of the public alley. *The applicant acknowledges that the drawings will be revised to include this item of work.*

First Floor/Site Plan PD2.1

18. On this plan, or another plan, show garbage/moving truck movements in and out of the loading area from Carpenter St. using AutoTURN or a similar method. The AutoTURN analysis should include the proposed bollards and should have proposed parking space 27 as occupied and any existing/proposed public parking spaces on Carpenter St. as occupied. *The applicant acknowledges that the drawings will be revised to include this item of work.*
19. Will daily deliveries (e.g., Amazon) use the loading area, or should a dedicated delivery parking space be provided on Carpenter Ave.? *The applicant will work with Public Works to come up with a mutually agreed location.*
20. On this plan, or another plan, show all existing and proposed public parking spaces on Madison St. and Carpenter Ave. *The applicant acknowledges that the drawings will be revised to include this item of work.*

Building Elevations PD3.1

21. Show any existing trees to remain and proposed trees on the West Elevation (Carpenter Ave.). *The applicant acknowledges that the drawings will be revised to include this item of work.*

ALTA/NSPS Land Title and Topographic Survey

22. Does any of the ComEd or AT&T infrastructure near the southeast corner of the property encroach onto the property? Are there easements to cover any encroachments? *To the best of the applicant's knowledge there is no encroachments onto the property from COMED or AT&T infrastructure.*
23. Are there any other easements on the property? *To the best of the applicant's knowledge there are no easements on the property.*

Traffic Impact Study

24. We received the Study. Please provide the models used to generate the Synchro v11 reports for Village review. Please provide these models in Synchro v10. Comments will be provided after review. *The applicant will provide this.*

Other comments

25. Describe garbage collection methods in narrative form. *The applicant acknowledges that this will be provided.*
26. How does the proposed development respond to the recently-adopted Climate Ready Oak Park plan? *Oak Park Commons is a diverse group of like-minded Oak Park residents coming together to create a community that is vibrant, supports the values of being good neighbors and is committed to sustainability and environmental stewardship.*

The building design, which will achieve a Silver rating in the National Green Building Standards ICC-700 sustainability certification program, incorporates an almost all electric approach to heating and cooling the building. When the building is completed, this will exceed the 2030 goal of reducing greenhouse gas emission. The long-term goal is to install a rooftop solar photovoltaic system and to change the gas-fired water heating and small ga-fired mechanical rooftop units making the building an all-electric building with net zero greenhouse gas emissions by 2050.

Oak Park Commons supports the other four stated goals of the Climate Ready Oak Park Plan, but they are community or village-based actions which a building is not meant to address.

27. The applicant needs to request addresses for the new building, units, and commercial space. See attached form. *The applicant has submitted a form to verify address and will submit request for the new building, units and commercial space.*
28. Provide an updated parking table showing the private spaces, and also a table showing the gain and loss of any on-street parking spaces based on new spaces on Madison and any lost spaces on Carpenter following AutoTURN analysis for the alley in and out and 15-minute loading area. *The applicant will work with the engineers on the design team so as to submit the requested information.*