VILLAGE OF MORTON GROVE

APPEARANCE COMMISSION

Flickinger Municipal Center
6101 Capulina Avenue, Morton Grove, IL 60053

Tuesday, November 5, 2024 - 7:00 P.M.
AGENDA

I. CALL TO ORDER

II. APPROVAL OF MINUTES

October 1, 2024, Meeting of the Appearance Commission

III. PUBLIC MEETING

CASE: AC 24-15

APPLICANT Poko Loko School Inc.

LOCATION 5633 Dempster Street
Morton Grove, Illinois 60053

PETITION Request for approval of an Appearance Certificate for landscaping and building plans associated with case PC 24-09, a request for an amendment to a Special Use Permit to allow the expansion of an existing daycare facility at the property commonly known as 5633 Dempster Street in Morton Grove, Illinois (PIN 10-20-204-007-0000; 10-20-204-008-0000) all within a C-1 General Retail Commercial District, pursuant to Section 12-4-3:D.

IV. OTHER BUSINESS None

V. CLOSE MEETING

Note that all persons are welcome to attend the public meeting in-person as regularly scheduled. All persons in attendance will have the opportunity to be heard during periods of public comment.

MINUTES OF THE OCTOBER 1, 2024
MEETING OF THE MORTON GROVE APPEARANCE COMMISSION
MORTON GROVE VILLAGE HALL, 6101 CAPULINA AVENUE, MORTON GROVE, IL 60053

Pursuant to proper notice in accordance with the Open Meetings Act, the regular meeting of the Appearance Commission was called to order at 7:00 p.m. by Chairperson Pietron. Secretary Anne Ryder Kirchner called the roll.

Commissioners Present:	Block, Hedrick, Ingram, Manno, Pietron, and Zimmer
Commissioners Absent:	Minx, absent with notice
Village Staff Present:	Brandon Nolin, AICP, Community Development Administrator Anne Ryder Kirchner, Planner/Zoning Administrator Chuck Meyer, Village Administrator
Trustees Present:	None

Chairperson Pietron proceeded to seek approval of the September 3, 2024, minutes.

Commissioner Zimmer moved to approve the minutes. Commissioner Block seconded the motion. Chairperson Pietron called for the vote.

Commissioner Block voting	aye
Commissioner Hedrick voting	aye
Commissioner Ingram voting	aye
Commissioner Manno voting	aye
Commissioner Zimmer voting	aye
Chairperson Pietron voting	aye

Minutes approved (6-0)

Chairperson Pietron called for the case.

CASE: AC 24-12

APPLICANT: Chris Napleton, Napleton Honda of Morton Grove

LOCATION: 6900 Dempster Street
Morton Grove, Illinois 60053

PETITION: Request for approval of an Appearance Certificate for replacement of monument sign that is nonconforming due to size, location, and lack of landscape bed at the property commonly known as 6900 Dempster Street in Morton Grove, Illinois (10-18-321-023-0000, 10-18-321-035-0000, 10-18-321-036-0000, 10-18-321-047-0000, 10-18-321-049-0000, 10-18-321-050-0000, 10-18-321-052-0000, 10-18-321-051-0000) pursuant to Section 10-10-7:G.

Mr. Nolin said the applicant (Napleton Honda) is requesting approval of an Appearance Certificate for a monument sign that exceeds the 50 square feet maximum allowed; it will be located on the side (east) lot line where a minimum

setback of 8 feet is required; and a landscape bed is not provided at the base. The sign was not included in materials previously approved for the Napleton Honda development currently under construction (AC 23-07).

A new monument sign is proposed to replace the existing located on Dempster Street. The current sign was installed over 10 years ago. The new sign will be placed on the existing foundation and have a steel gray pedestal. The application notes illumination of 6,500 degrees Kelvin for the monument base and sign face, but in the past the AC has required applicants to limit illumination to 5,000K (degrees Kelvin).

Mr. Napleton and the project architect were present to answer questions. The sign will have the same footprint, but the colors will be inverted. They are using the same foundation.

Commissioner Block asked if the sign is too far back. Staff noted it is correctly observes the right-of way setback.

The illumination was discussed and will be changed to 5,000 K.

Commissioner Zimmer said the sign could use a landscape bed. Staff noted that the sign is on the east property line, it would difficult to add a bed.

Commissioner Zimmer moved to approve the request. The motion was seconded by Commissioner Manno.

Commissioner Ingram asked that the illumination be lowered to 5,000 K.

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Chairperson Pietron called for the vote.

Commissioner Block voting	aye
Commissioner Hedrick voting	aye
Commissioner Ingram voting	aye
Commissioner Manno voting	aye
Commissioner Zimmer voting	aye
Chairman Pietron voting	aye

Motion passed 6-0.

CASE: AC 24-14

APPLICANT: Omni City Holdings, LLC

LOCATION: 6451 Main Street
Morton Grove, Illinois 60053

PETITION: Request for approval of an Request for approval of an Appearance Certificate for sign and building plans associated with case PC 24-08, a request for a Special Use Permit for the operation of an indoor recreational facility at the property commonly known as 6451 Main Street in Morton Grove, Illinois (10-19-401-004-0000) all within a M-2 General Manufacturing District, pursuant to Section 12-4-4:E.

Mr. Nolin said the applicant the applicant (Omni City Holdings) is seeking an Appearance Certificate for exterior improvements and interior renovations to the existing industrial building at 6451 Main Street to accommodate a proposed pickleball facility. Indoor recreational facilities are considered a special use within the M-2 zoning district.

While the northern portion of the industrial building is currently being renovated to accommodate a garment manufacturer (GIL Sewing), that business has no plans to use the southern warehouse portion of the building and the property owner has proposed a pickleball facility as a potential co-tenant that would feature six pickleball courts, seating areas, and a bar on the first floor. The second floor would feature additional seating and could eventually accommodate a golf simulator or similar virtual sport amenity. The façade on the southern portion of the building would be renovated to feature the pickleball facility signage, a new entrance, and foyer, and foundation landscaping.

The applicant is also pursuing a parking variation to redesign and expand the existing parking lot to maximize the number of spaces available to all uses at 6451 Main Street including the primary tenant, GIL Sewing. The parking lot redesign, including landscaping, requires a variation as the existing parking lot is located in a front yard which is in a nonconforming location. As such, the Special Use Permit application for the proposed pickleball facility and the parking variation are being reviewed in parallel with one another by the Plan Commission and Zoning Board of Appeals.

Alex Khakham was present to answer questions. He explained the pickleball area renovations. The exterior changes will be paint, lighting and landscaping.

Chairman Pietron asked about the lighting. The signs will be illuminated and less than 5,000K. One sign will not be illuminated from the interior.

Landscape was discussed. Foundation planting are proposed and will not include boxwoods as requested by Commissioner Zimmer.

Commissioner Ingram moved to approve the request. The motion was seconded by Commissioner Hedrick.
.
Chairperson Pietron called for the vote.

Commissioner Block voting	aye
Commissioner Hedrick voting	aye
Commissioner Ingram voting	aye
Commissioner Manno voting	aye
Commissioner Zimmer voting	aye
Chairman Pietron voting	aye

Motion passed 6-0.

CASE: AC 24-13

APPLICANT: Village of Morton Grove

LOCATION: 6101 Capulina Avenue
Morton Grove, Illinois 60053

PETITION: The Village of Morton Grove Environment & Natural Resources Commission requests approval of a Text Amendment to Sections 1-9C-5, 7-2-6, 7-2-8, 7-11-1 through 4, 12-11-8, and creation of a new Section 12-11-7, to modify and establish regulations relating to tree preservation and protection and to establish a tree planting fund.

Mr. Nolin said the Village of Morton Grove ("applicant") is proposing amendments to Chapter 12-11 and numerous related sections to establish a Tree Ordinance to help preserve and protect the Village's tree canopy. Staff is seeking the Appearance Commission's review and recommendation of approval of the proposed amendment prior to consideration by the Village Board of Trustees.

The revisions establish a Tree Planting Fund, clarify public tree removal procedures, enhance tree protection requirements, establish landscape and tree preservation plan requirements, prohibit certain invasive plant species, add species diversity requirements, enhance planting requirements, and regulate the removal of select trees on select properties (with exemptions provided for certain conditions outside the control of the property owner). Chairperson Pietron asked for any other business or discussion.

Mr. Molin presented the proposed changes and additions to the Unified Development code regarding tree preservation and landscaping requirements. The Environmental and Natural Resources Commission reviewed the changes and members are here tonight.

Commissioner Ingram asked about development fees. The Village is not adding an additional impact fee, only fees for the removal of trees. A tree planning grant is being submitted to the State in relation to the changes in the code.

Tree protection will now be part of the building permit process. Foundation plantings will now be required for new construction and additions.

The fee-in-lieu for removal is $300 for a minimum 12-inch diameter tree at breast height. This will not apply to the single-family districts that are under less than one-half acre.

Commissioner Zimmer asked if sodded areas should be sprinkled or close to a water source. Staff will take that under consideration.

Chairman Pietron said this a welcome change. Commissioners thanked the ENRC and Mr. Nolin for the effort and explanation this evening.

Commissioner Ingram moved to approve the request. The motion was seconded by Commissioner Zimmer.
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Chairperson Pietron called for the vote.

Commissioner Block voting aye
Commissioner Hedrick voting aye
Commissioner Ingram voting aye
Commissioner Manno voting aye
Commissioner Zimmer voting aye
Chairman Pietron voting aye

Motion passed 6-0.

Hearing no further business, Chairman Pietron moved to adjourn the meeting. The motion was seconded by Commissioner Ingram.

The motion to adjourn the meeting was approved unanimously pursuant to a voice vote at 7:33 p.m. Minutes by: Anne Ryder Kirchner

To: Chairperson Pietron and Members of the Appearance Commission

From: Brandon Nolin, AICP, Community Development Administrator
Anne Ryder Kirchner, Planner/Zoning Administrator

Date: October 29, 2024

Re: Appearance Commission Case AC 24-15
Request for approval of an Appearance Certificate for landscaping and building plans associated with case PC 24-09, a request for an amendment to a Special Use Permit to allow the expansion of an existing daycare facility at the property commonly known as 5633 Dempster Street in Morton Grove, Illinois (PIN 10-20-204-007-0000; 10-20-204-008-0000) all within a C-1 General Retail Commercial District, pursuant to Section 12-4-3:D. The applicant is Poko Loko School Inc.

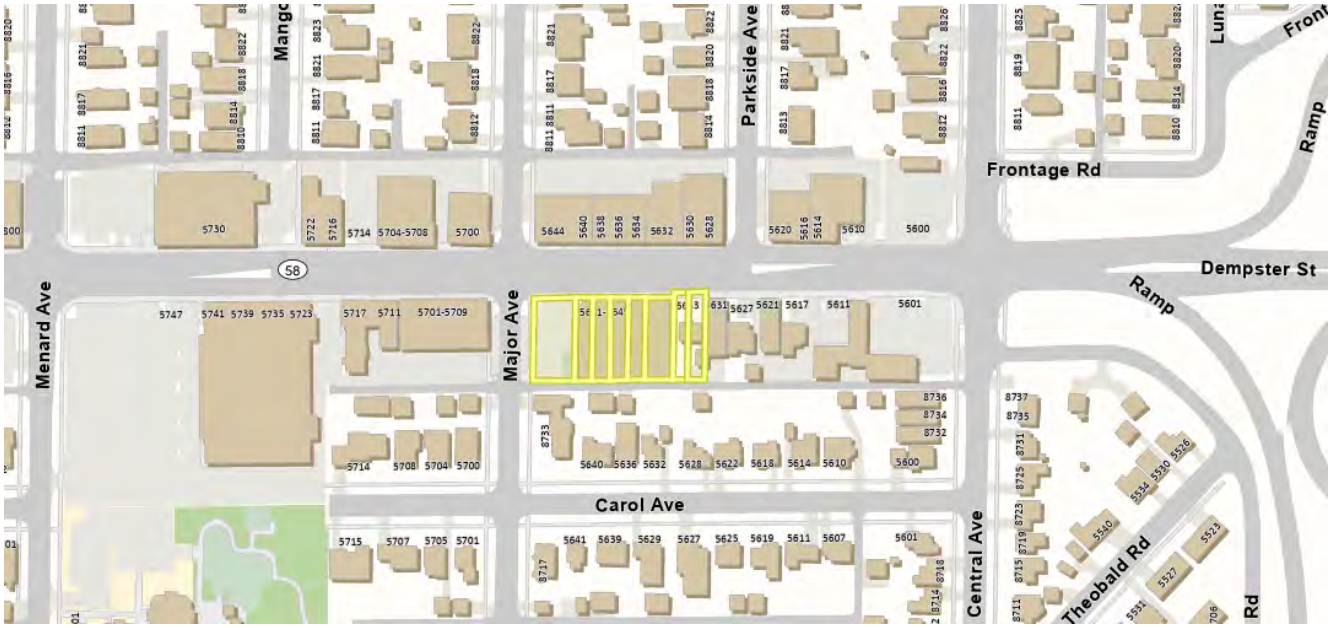
STAFF REPORT

Application Summary

Poko Loko School Inc. ("applicant"), submitted a complete Special Use Permit application to the Department of Community and Economic Development that requires Appearance Commission review and comment for site improvements to the property at 5633 Dempster Street ("subject property") to facilitate the expansion of the existing daycare located on the adjacent properties at 5641-49 Dempster Street. The applicant is proposing to amend Ordinance 17-25 to allow for the construction of a playground, open space, and parking to complement current daycare facility operations.

Subject Property

The subject property consists of an existing single-family building at 5633 Dempster Street occupying a 0.15-acre (6,494 sq. ft.) site. The property is within the C-1 General Retail Commercial zoning district as are the properties to the east, west, and north across Dempster Street. Properties to the south across an alley are improved with single-family homes and are zoned R-2 Single-family Residence.



Subject Property Location Map

Building Plan

The applicant is proposing to demolish the existing single-family residence and garage at the subject property, and construct a playground and four-space parking lot. The existing driveway would be removed and the driveway apron would be replaced with new curb, gutter, and sidewalk. The central portion of the subject property would be left as open space with the desire to locate a storage building in that area in the future. A new door would be installed in the east wall of the existing adjacent building toward the north end of the property to provide access to the proposed playground from the existing daycare. No new signage is proposed other than exempt directional signs in the proposed parking lot.

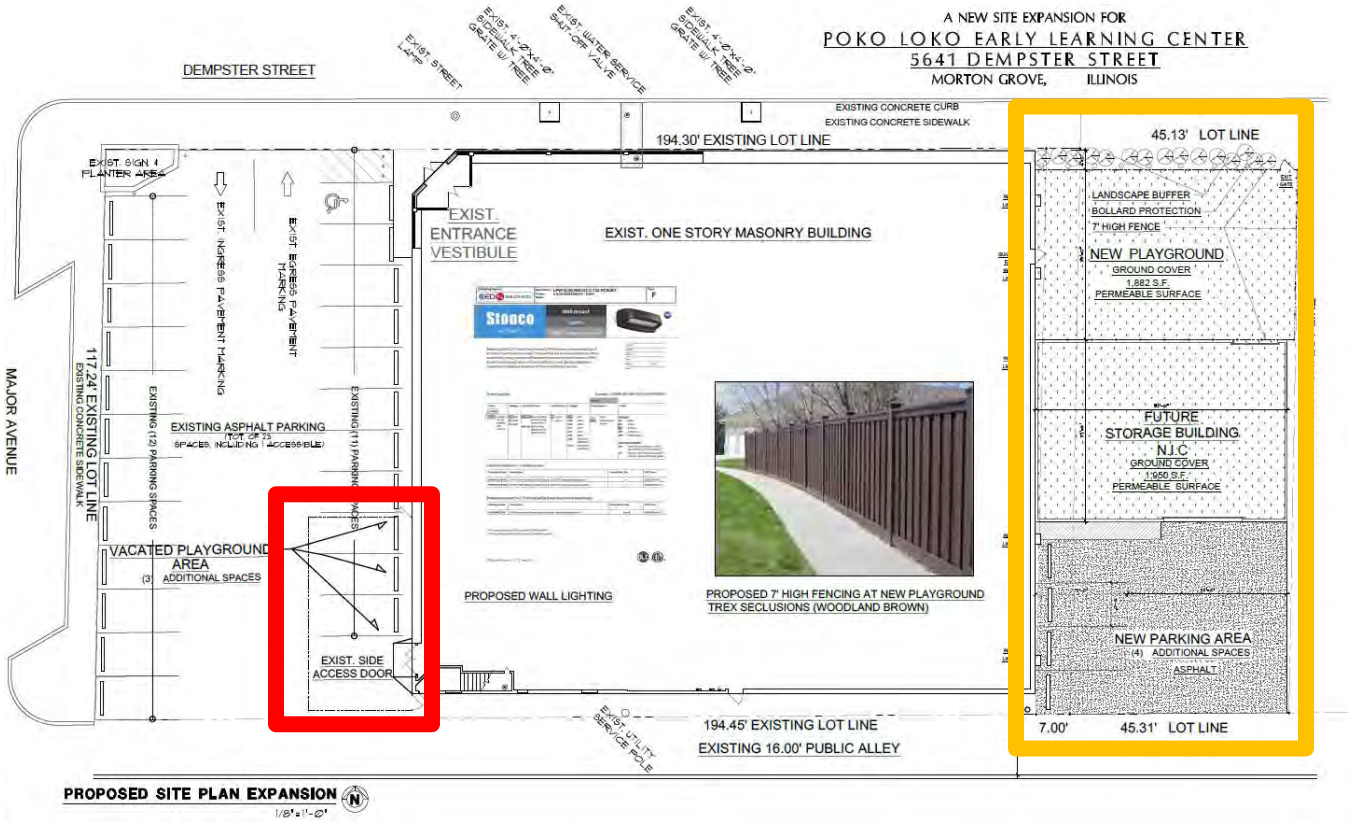
The addition of the proposed playground at the subject property would also enable the applicant to remove the playground facility currently installed in the primary Poko Loko School parking lot (off of Major Avenue) and restripe three new parking spaces. The enrollment at Poko Loko School is currently capped at 144 students with 125 children and 21 staff on-site at any given time, with 144 enrolled, per Ordinance 17-25. With the addition of seven (7) proposed parking spaces, the applicant is requesting that the maximum enrollment be increased to 160 students with 135 children and 25 staff on-site.

Playground Equipment

The proposed playground would be 1,882 sq. ft. in area and occupy the northern portion of the subject property. No renderings or material samples were provided regarding the type, size, and color of the proposed playground equipment. It is not clear what, if any, playground equipment would be visible from the Dempster Street right of way if the proposed fence and landscape bed were installed as proposed. The applicant should speak to what type of equipment is desired for the playground area.

Future Storage Building

The applicant has indicated a desire to construct a storage building on the central portion of the subject property in the future. The storage building is not part of this Special Use Permit application and permitting would require a separate public hearing and approval process in the future.



Proposed Site Plan – (ORANGE) Location of proposed playground facility; (RED) Vacated Playground
(Source: Poko Loko School Inc.)

Landscaping

Per Section 12-11-1:B, within Village streetscape improvement corridors, such as the Dempster Street corridor adjacent the subject property, eight (8%) of the total area of a site shall consist of landscaped or sodded areas. This means that approximately 520 sq. ft. of landscaped or sodded areas is required for the subject property.

Dempster Street Landscape Bed

The proposed landscape bed along the subject property's Dempster Street frontage is approximately 188 sq. ft. The type of shrubs proposed for the landscape bed are not defined in the application materials. The applicant should speak to the plantings proposed for the Dempster Street frontage landscape bed.

Central Open Space (for Future Storage Building)

The central portion of the site is proposed to be reserved as open space that will be improved in the future with a storage building. It is not clear from the application materials what the surface of the central open space would consist of, but to ensure compliance with Section 12-11-1:B, at least 332 sq. ft. of the area must be landscaped or sodded. Notes indicate it would be "permeable ground cover." The applicant should speak to how the proposed project would meet minimum landscape requirements as a whole, and how the central open space area would be landscaped or otherwise improved.

Fence

The applicant is proposing to install a seven-foot (7 ft.) fence with zero percent (0%) transparency. The proposed fence would be wood-plastic composite (Trex brand) and would be offset from the Dempster Street sidewalk by a four-foot landscape bed. The proposed fence would run along the north and east property lines and then across the center of the subject property to the existing building at 5641 Dempster Street to enclose the entire proposed playground area. A series of bollards would be installed in front of the fence, spaced every five to six feet (5-6 ft.) and located behind by the proposed landscaping, to provide added security from any vehicular accidents off of Dempster Street. The fence is compliant for height, location, and transparency.

PROPOSED 7' HIGH FENCING AT NEW PLAYGROUND
TREX SECLUSIONS (WOODLAND BROWN)

Proposed Fencing

Lighting (Updated 11/1/2024)

In response to Staff comments to the initial application, the applicant obtained a photometric plan, however it was not available in time for the initial draft of this report. This section has been updated to incorporate the photometric plan and related lighting plan details.

The applicant had initially proposed the use of wall sconces mounted to the building at 5641 Dempster Street to illuminate the subject property. In reviewing photometrics for the initial lighting plan, the applicant indicated they were not satisfied with the site coverage and decided to revise the lighting plan. The applicant has revised their application to propose the installation of two light poles with LED fixtures mounted at a height of 15 feet, to be located along the east property line of the subject property to light the proposed playground, open space area, and parking lot.

The applicant had previously indicated that the selected fixture would have a Neutral white" light temperature (4000 Kelvin). The currently proposed fixture has a variety of color temperatures available ranging from 2700-5000K. The applicant should speak to the color temperature desired.

Per Section 12-4-3:B.5, lighting of parking and loading areas must be a minimum of one foot-candle on the surface. However, such lighting must be confined to the property boundary and reach as close to zero illumination at the property boundaries as possible. Glare may not be evident from surrounding properties or adjacent public rights of way. As proposed, light levels along the north lot lint (along Dempster Street) and the south lot line (adjacent the alley) range between 0.3 and 0.6 foot candles. The photometric specifications appear to indicate that the proposed fixture will include a "house side shield" that will prevent spillover onto the adjacent property to the east, and light levels along the west property line are shown to be 0.0. The applicant should confirm that the house side shield would be installed and speak to anticipated light levels at property edges including the Dempster Street frontage.

Shield Accessories Available for the Proposed Light Fixture

D-Series Size 0
LED Area Luminaire

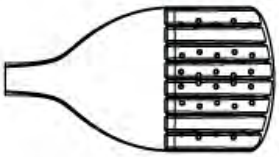
Catalog Number

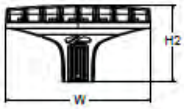
Notes

Type

Specifications

EPA:	0.44 ft² (0.04 m²)
Length:	26.18" (66.5 cm)
Width:	14.06" (35.7 cm)
Height H1:	2.26" (5.7 cm)
Height H2:	7.46" (18.9 cm)
Weight:	23 lbs (10.4 kg)





Design Select options indicated by this color background.

Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications, with typical energy savings of 70% and expected service life of over 100,000 hours.

design select

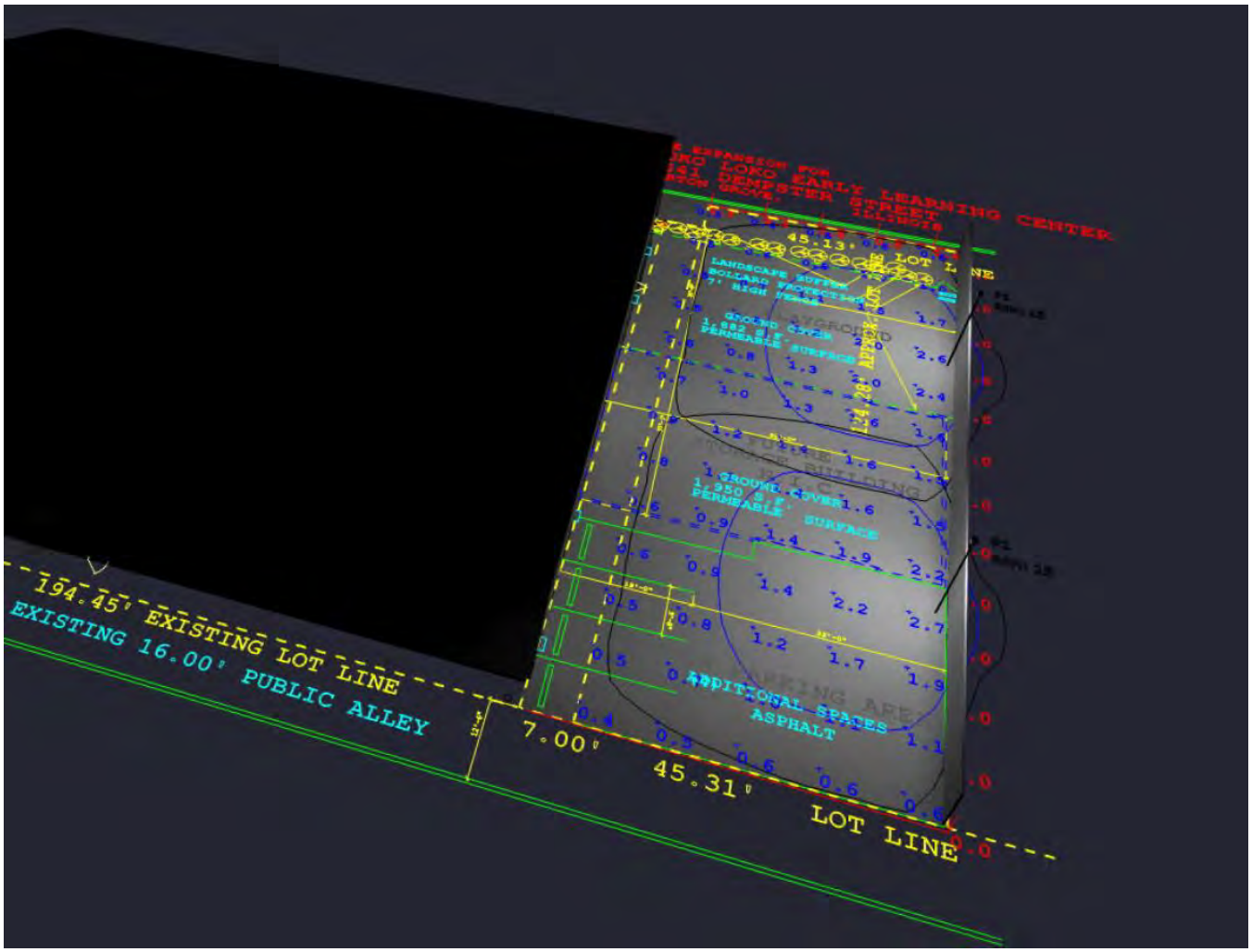
Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

Ordering Information

EXAMPLE: DSX0 LED P6 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX0 LED

Series	LEDs	Color temperature[2]	Color Rendering Index[2]	Distribution		Voltage	Mounting
DSX0 LED	**Forward optics** P1 P5 P2 P6 P3 P7 P4 **Rotated optics** P10[1] P12[1] P11[1] P13[1]	(this section 70CRI only) 30K 3000K 40K 4000K 50K 5000K (this section 80CRI only, extended lead times apply) 27K 2700K 30K 3000K 35K 3500K 40K 4000K 50K 5000K	70CRI 70CRI 70CRI 80CRI 80CRI 80CRI 80CRI 80CRI	AFR Automotive front row T1S Type I short T2M Type II medium T3M Type III medium T3LG Type III low glare[3] T4M Type IV medium T4LG Type IV low glare[3] TFTM Forward throw medium	T5M Type V medium T5LG Type V low glare T5W Type V wide BLC3 Type III backlight control[3] BLC4 Type IV backlight control[3] LCCO Left corner cutoff[3] RCCO Right corner cutoff[3]	MVOLT (120V-277V)[4] HVOLT (347V-480V)[5,6] XVOLT (277V-480V)[7,8] 120[16,24] 208[16,24] 240[16,24] 277[16,24] 347[16,24] 480[16,24]	**Shipped included** SPA Square pole mounting (#8 drilling, 3.5" min. SQ pole) RPA Round pole mounting (#8 drilling, 3" min. RND pole) SPA5 Square pole mounting (#5 drilling, 3" min. SQ pole)[9] RPA5 Round pole mounting (#5 drilling, 3" min. RND pole)[9] SPA8N Square narrow pole mounting (#8 drilling, 3" min. SQ pole) WBA Wall bracket[10] MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)



Photometric Plan for Proposed Light Poles

Appearance Commission Review

In accordance with Unified Development Code Section 12-12-1:C, all site, landscape and building plans are to be reviewed by the Appearance Commission, and an Appearance Certificate by the Commission granted, prior to the issuance of a building permit. Further, per Section 12-16-2:C.2, the Appearance Commission is charged with reviewing the exterior elevations, sketches, and materials and other exhibits as to whether they are appropriate to or compatible with the character of the immediate neighborhood and whether the submitted plans comply with the provisions of the regulations and standards set forth in chapter, 12 "Design Standards," of this title.

The Design Standards (Sec. 12-12-1:D) are as follows:

D. Criteria and Evaluation Elements: The following factors and characteristics relating to a unit or development and which affect appearance, will govern the appearance review commission's evaluation of a design submission:

1. Evaluation Standards:
    a. Property Values: Where a substantial likelihood exists that a building will depreciate property values of adjacent properties or throughout the community, construction of that building should be barred.
    b. Inappropriateness: A building that is obviously incongruous with its surroundings or unsightly and grotesque can be inappropriate in light of the comprehensive plan goal of preserving the character of the municipality.
    c. Similarity/Dissimilarity: A builder should avoid excessively similar or excessively dissimilar adjacent buildings.
    d. Safety: A building whose design or color might, because of the building's location, be distracting to vehicular traffic may be deemed a safety hazard.
2. Design Criteria:
    a. Standards: Appearance standards as set forth in this chapter.
    b. Logic Of Design: Generally accepted principles, parameters and criteria of validity in the solution of design problems.
    c. Architectural Character: The composite or aggregate of the components of structure, form, materials and functions of a building or group of buildings and other architectural and site composing elements.
    d. Attractiveness: The relationship of compositional qualities of commonly accepted design parameters such as scale, mass, volume, texture, color and line, which are pleasing and interesting to the reasonable observer.
    e. Compatibility: The characteristics of different uses of activities that permit them to be located near each other in harmony and without conflict. Some elements affecting compatibility include intensity of occupancy as measured by dwelling units per acre; floor area ratio; pedestrian or vehicular traffic generated; parking required; volume of goods handled; and such environmental effects as noise, vibration, glare, air pollution, erosion, or radiation.
    f. Harmony: A quality which produces an aesthetically pleasing whole as in an arrangement of varied architectural and landscape elements.
    g. Material Selection: Material selection as it relates to the evaluation standards and ease and feasibility of future maintenance.
    h. Landscaping: All requirements set forth in chapter 11, "Landscaping and Trees", of this title. (Ord. 07-07, 3-26-2007)

Recommendation

If the Appearance Commission recommends approval of site, landscape, and building plans with select waivers associated with PC 24-09, a request for an amendment to a Special Use Permit to allow the expansion of an existing daycare facility at the property commonly known as 5633 Dempster Street in Morton Grove, staff recommends the following conditions of approval:

1. *Prior to filing any Building Permit Application, the owner/applicant shall provide the Village with site plan, landscaping, and lighting specifications for review and approval. Site plan, landscaping, and lighting specifications must be deemed consistent with the approved materials and Appearance Commission discussion, as determined by the Community Development Administrator and Appearance Commission Chairperson. If such designs are deemed to be inconsistent with the approved materials or discussion with the Appearance Commission, or are deemed to be of a lower quality than the approved materials, then the owner/applicant will be required to file an application for an amendment to the Appearance Certificate.*

2. *[Additional conditions as recommended by the Appearance Commission.]*

MORTON GROVE
Incredibly Close & Amazingly Open

SPECIAL USE APPLICATION

Village of Morton Grove
Department of Community Development
6101 Capulina Avenue, Morton Grove, Illinois 60053
commdev@mortongroveil.org | 847-663-3063

Case Number: _____ Date Application Filed: _____

APPLICANT INFORMATION

Applicant Name: DAVID CLATCH
Applicant Organization: POKO LOKO SCHOOL
Applicant Address: 5645 DEMPSTER ST.
Applicant City / State / Zip Code: MORTON GROVE, IL 60053
Applicant Phone: (847) 366-6417
Applicant Email: DAVE@POKOLOKOCHILDCARE.COM
Applicant Relationship to Property Owner: BUYER : SELLER
Applicant Signature: David Clatch

PROPERTY OWNER INFORMATION (IF DIFFERENT FROM APPLICANT)

Owner Name: SAUL OSACKY
Owner Address: 5633 DEMPSTER ST.
Owner City / State / Zip Code: MORTON GROVE, IL 60053
Owner Phone: (847) 530-2539
Owner Email: SAULOSACKY@GMAIL.COM
Owner Signature: Saul Osacky

PROPERTY INFORMATION

Common Address of Property: 5633 DEMPSTER ST.
Property Identification Number (PIN): 10-20-204-007-0000; -008
Property Square Footage: 5,631 SQ FT
Legal Description (attach as necessary): LOTS 914 and 915
Property Zoning District: _____

APPLICATION INFORMATION

Requested Special Use: CHILD CARE
Purpose of Special Use (attach as necessary): PLAYGROUND, PARKING, and STORAGE GARAGE

RESPONSES TO STANDARDS FOR SPECIAL USE

Provide responses to the seven (7) Standards for Special Use as listed in Section 12-16-4-C-5 of the Village of Morton Grove Unified Development Code. The applicant must present this information for the official record of the Planning Commission. The Special Use Standards are as follows:

a. The establishment, maintenance, or operation of the Special Use will not be detrimental to, or endanger the public health, safety, morals, comfort, or general welfare.

YES

b. The Special Use will not be injurious to the use and enjoyment of other property in the immediate vicinity for the purposes already permitted, nor substantially diminish and impair property values within the neighborhood.

YES

c. The establishment of the Special Use will not impede the normal and orderly development and improvement of the surrounding property for uses permitted in the district.

YES

d. Adequate utilities, access roads, drainage and/or necessary facilities have been or are being provided.

YES

e. Adequate measures have been or will be taken to provide ingress and egress so designed as to minimize traffic congestion in the public streets.

YES

f. The proposed Special Use is not contrary to the objectives of the current Comprehensive Plan for the Village of Morton Grove.

YES

g. The Special Use shall, in all other respects, conform to the applicable regulations of the district in which it is located, except as such regulations may, in each instance, be modified pursuant to the recommendations of the Commission.

YES

ABBREVIATION LEGEND

N.	North
S.	South
E.	East
W.	West
N.W.	Northwest
N.E.	Northeast
S.E.	Southeast
S.W.	Southwest
P.O.B.	Point of Beginning
SQ.FT.	Square Feet
R.O.W.	Right of Way
Doc.	Document
Rec.	Recorded as
Meas.	Measured
T.F.	Top of Foundation
Inv.	Invert
PVC	Polyvinyl Chloride
CMP	Corrugated Metal Pipe
MIN.	Minimum
MAX.	Maximum

A.L.T.A.-N.S.P.S. Land Title

R.E. DECKER (1933-1999) — R.G. PAVLETIC P.L.S. 035-3261

Plat of Survey

of

Parcel 1: Lots 1 and 2 in Dempster Garden ' L' Terminal Subdivision a subdivision of part of Lot 1 in Circuit Court partition of Lots 2 and 3 in County Clerks Division of the East Half of the Northeast Quarter of Section 19 and all of Section 21, Township 41 North, Range 13, East of the Third Principal Meridian, recorded June 17, 1925 as Document 8946836, in Cook County, Illinois.

Parcel 2: Lots 1, 2, 3 and 4 in Luening's Subdivision of the East 2.5 Acres of Lot 1 in Circuit Court partition of Lots 2 and 3 in the County Clerks Division of Section 20, Township 41 North, Range 13, East of the Third Principal Meridian and designated of plat of subdivision recorded June 22, 1926 as Document 9316935, in Cook County, Illinois.

Parcel 3: Lots 913, 914 and 915 in Krenn's and Dato's 2nd Addition to Dempster Street 'L' Terminal Subdivision of that part of the East 13 acres of the Northeast Quarter of the Northeast Quarter of Section 20, Township 41 North, Range 13, East of the Third Principal Meridian, lying North of the center line of Theobold Road, according to the plat thereof recorded August 7, 1924 as Document 8542705, in Cook County, Illinois.

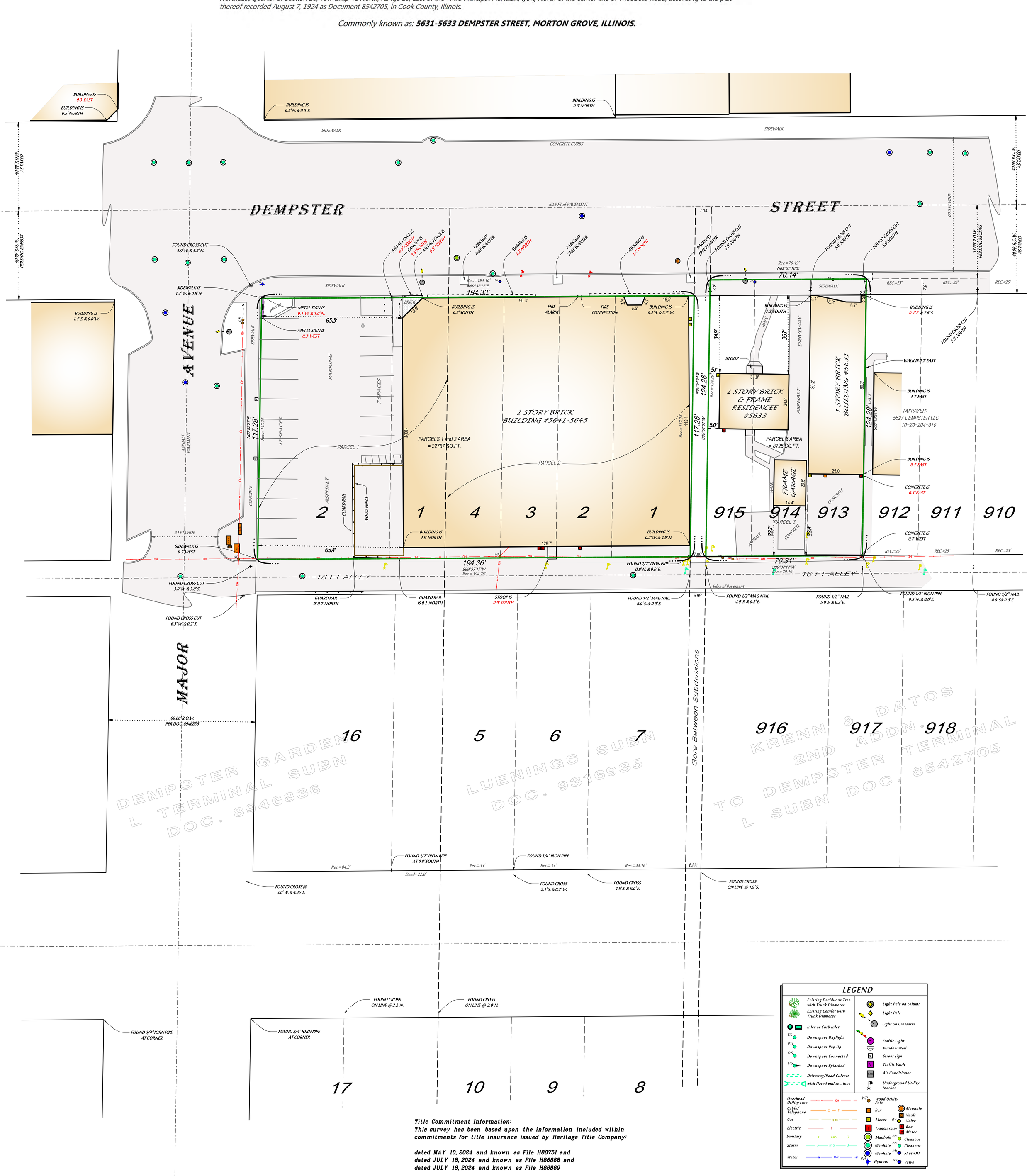
Commonly known as: **5631-5633 DEMPSTER STREET, MORTON GROVE, ILLINOIS.**

N / W / E / S

The Meridian is assumed but reflects the record Subdivision or Deed, except when noted.

0 10 20 30 40

Scale 1"= 20 ft



LEGEND

Existing Deciduous Tree with Trunk Diameter	Light Pole on column
Existing Conifer with Trunk Diameter	Light Pole
Inlet or Curb Inlet	Light on Crossarm
Downspout Daylight	Traffic Light
Downspout Pop Up	Window Well
Downspout Connected	Street sign
Downspout Splashed	Traffic Vault
Driveway/Road Culvert with flared end sections	Air Conditioner
	Underground Utility Marker
Overhead Utility Line	Wood Utility Pole
Cable/Telephone	Box
Gas	Meter
Electric	Transformer
Sanitary	Manhole
Storm	Manhole
Water	Manhole
	Hydrant
	Manhole
	Vault
	Valve
	Box
	Meter
	Cleanout
	Cleanout
	Shut-Off
	Valve

Title Commitment Information:
This survey has been based upon the information included within commitments for title insurance issued by Heritage Title Company:

dated MAY 10, 2024 and known as File H86751 and
dated JULY 18, 2024 and known as File H86868 and
dated JULY 18, 2024 and known as File H86869

Schedule B disclosed rights of way, easments & setbacks:
NONE LISTED

Flood Zone Designation
Upon inspection of FIRM Rate Map Community Panel No. 17031C0242J with an effective date of AUGUST 19, 2008 the parcel shown hereon lies within Zone "X" (areas outside of the 500 year Flood Plain)

ORDER NUMBER 24-561
ORDERED BY: BENJAMIN, GUSSIN & ASSOCIATES
FOR: Grand Premier Trust No. 3764
REVISIONS:

WITHOUT A RAISED SEAL THIS IS AN ORIGINAL PRINT

PROFESSIONAL DESIGN FIRM — R.E. DECKER P.C. 184-3086 Libertyville, IL — STATE OF ILLINOIS
expires 4-30-25

R E DECKER
PROFESSIONAL LAND SURVEYORS PC
333 W. PETERSON RD SUITE B
LIBERTYVILLE, IL 60048
TEL. 847-362-0091
DeckerSurvey@gmail.com

PROFESSIONAL LAND SURVEYOR — R.G. PAVLETIC 035-3261 Libertyville, Illinois — STATE OF ILLINOIS
expires 11-30-24

This Professional service conforms to the current Illinois minimum standards for a "Boundary Survey."

Field Work Completed on: 8-29-24

STATE OF ILLINOIS } ss
COUNTY OF LAKE }

TO: Heritage Title Company
TO:
TO: DAVID CLATCH AND KAREN CLATCH

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2021 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes Items 1, 2, 3, 4, 7a, 7b1, 7c 8, 9 and 13 of Table A thereof.

By: _____ 9-08-24
Professional Land Surveyor

Compare the Description on this Plat with your Deed and Title: also compare all stakes to this Plat before building by them, and report any differences at once. Dimensions are shown in feet and decimal parts thereof.

R.E. DECKER
(1933-1999)

R.G. PAVLETIC
P.L.S. 035-3261

Plat of Survey

of

Lots 913, 914 and 915 in Krenn's and Dato's 2nd Addition to Dempster Street 'L' Terminal Subdivision of that part of the East 13 acres of the Northeast Quarter of the Northeast Quarter of Section 20, Township 41 North, Range 13, East of the Third Principal Meridian, lying North of the center line of Theobold Road, according to the plat thereof recorded August 7, 1924 as Document 8542705, in Cook County, Illinois.

Commonly known as: **5633 DEMPSTER STREET, MORTON GROVE, ILLINOIS.**

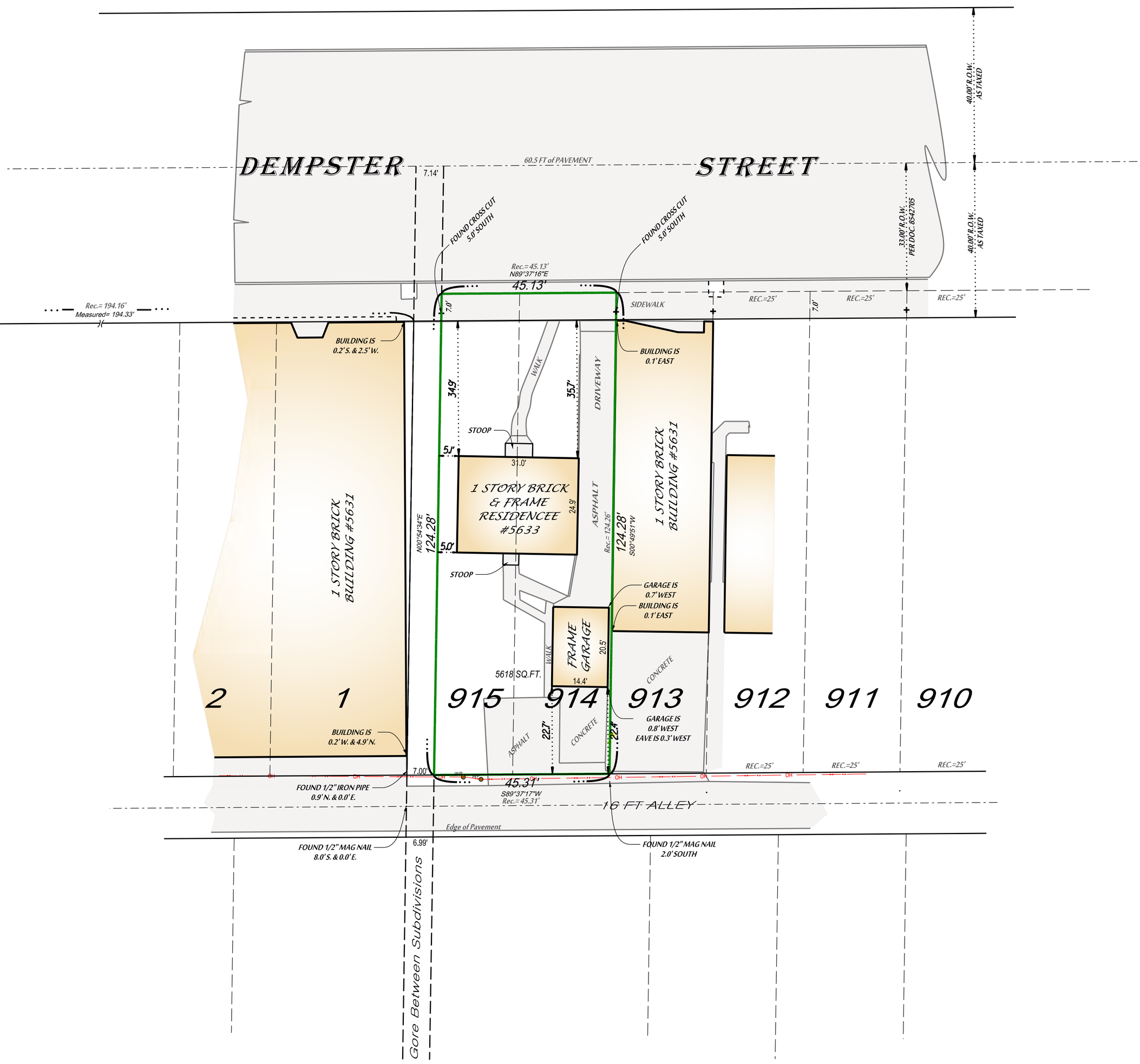
LEGEND

N.	=	North
S.	=	South
E.	=	East
W.	=	West
N.W.	=	Northwest
N.E.	=	Northeast
S.E.	=	Southeast
S.W.	=	Southwest
P.O.B.	=	Point of Beginning
SQ.FT.	=	Square Feet
R.O.W.	=	Right of Way
Doc.	=	Document
Rec.	=	Recorded as
Meas.	=	Measured
T.F.	=	Top of Foundation
MIN.	=	Minimum
MAX.	=	Maximum

N W E S

The Meridian is assumed but reflects the record Subdivision or Deed, except when noted.

Scale 1"= 20 ft



ORDER NUMBER 24-561 A

ORDERED BY: BENJAMIN, GUSSIN & ASSOCIATES

FOR: Grand Premier Trust No: 3764

REVISIONS: _____

THE RAISED SEAL INDICATES THIS IS AN ORIGINAL PRINT

PROFESSIONAL DESIGN FIRM
R.E. DECKER, P.C.
184-3086
Libertyville, IL
STATE OF ILLINOIS
expires 4-30-25

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TEL. 847-362-0091
DeckerSurvey@gmail.com
Website: DeckerSurvey.com

PROFESSIONAL LAND SURVEYOR
R.G. PAVLETIC
035-3261
Libertyville, Illinois
STATE OF ILLINOIS
expires 11-30-24

Field Work Completed on: 8-29-24

STATE OF ILLINOIS } ss
COUNTY OF LAKE }

This Professional service conforms to the current Illinois minimum standards for a "Boundary Survey."

R. E. DECKER, P.C.

By: _____ 9-24-24
Professional Land Surveyor

Compare the Description on this Plat with your Deed and Title; also compare all stakes to this Plat before building by them, and report any differences at once. Dimensions are shown in feet and decimal parts thereof. Refer to Title, Covenants or Building Department for additional Easements, Setbacks or Restrictions which may exist.

A NEW SITE EXPANSION FOR

POKO LOKO EARLY LEARNING CENTER

5641 DEMPSTER STREET

MORTON GROVE, ILLINOIS

DEMPSTER STREET

EXIST. STREET LAMP

EXIST. 4'-0"x4'-0" SIDEWALK TREE GRATE W/ TREE

EXIST. WATER SERVICE SHUT-OFF VALVE

EXIST. 4'-0"x4'-0" SIDEWALK TREE GRATE W/ TREE

EXISTING CONCRETE CURB

EXISTING CONCRETE SIDEWALK

194.30' EXISTING LOT LINE

45.13' LOT LINE

EXIST. SIGN & PLANTER AREA

EXIST. INGRESS PAVEMENT MARKING

EXIST. EGRESS PAVEMENT MARKING

EXIST. ENTRANCE VESTIBULE

EXIST. ONE STORY MASONRY BUILDING

WALL LIGHT

BUILDING EXIT WALL LIGHT

WALL LIGHT

WALL LIGHT

WALL LIGHT

EXIT GATE

LANDSCAPE BUFFER

BOLLARD PROTECTION

7' HIGH FENCE

NEW PLAYGROUND

GROUND COVER

1,882 S.F.

PERMEABLE SURFACE

35'-0"

52'-0"

FUTURE STORAGE BUILDING

N.I.C

GROUND COVER

1,950 S.F.

PERMEABLE SURFACE

MAJOR AVENUE

117.24' EXISTING LOT LINE

EXISTING CONCRETE SIDEWALK

EXISTING ASPHALT PARKING

(TOT. OF 23 SPACES, INCLUDING 1 ACCESSIBLE)

EXISTING (12) PARKING SPACES

EXISTING (11) PARKING SPACES

VACATED PLAYGROUND AREA

(3) ADDITIONAL SPACES

EXIST. SIDE ACCESS DOOR

Submitting Agency: CED 630-274-6700

Description: LPW16-20-NW-G3-3-120-PCB-BZ
Project: A NEW DISPENSARY - CARY
Notes:

Type: F

Stonco by Signify

Wall mount
LytePro
LPW16 medium wall sconce

Stonco LytePro LED medium wall sconce LPW16 features outstanding value in a compact, architectural design. This powerful and precise combination offers outstanding energy savings with excellent photometric performance. LPW16 is ideal for entryways and corridors in addition to wall lighting applications requiring strong lateral spacing and forward pattern projection.

Project:
Location:
Cat.No:
Type:
Lamps: Qty:
Notes:

Ordering guide Example: LPW16-20-NW-G3-3-120-PCB-BZ

Prefix	Wattage	LED Color/Gen	Distribution	Voltage	Photocontrol	Finish
LPW16					Optional	
LytePro 16 LED medium wall sconce	20 20W 30 30W 50 50W	NW-G3 Neutral White 4000K 70 CRI Generation 3 WW-G3 Warm White 3000K 70 CRI Generation 3	3 Type 3 4 Type 4	120 120V 208 208V 240 240V 277 277V 347 347V 480 480V UNV 120-277V (50/60Hz) HVU 347-480V (50/60Hz)	none None PCB Photocontrol Button[1]	Textured: BK Black WH White BZ Bronze DDY Dark Gray MGY Medium Gray Custom specified RAL Specify optional color or RAL (ex: DO-LUM or DO-RAL7024) DD Custom color (Must supply color chip for required factory quote)

Stocked luminaires – Ordering guide

Catalog Number	Description	Master Pack. Qty	UPC Code
LPW16-03-N-BZ	LPW16, 30W, 650mA, 4000K, Type 3, 120-277V, Bronze textured paint	6	622225313873
LPW16-03-N-DDY	LPW16, 30W, 650mA, 4000K, Type 3, 120-277V, Dark gray textured paint	6	622225313866

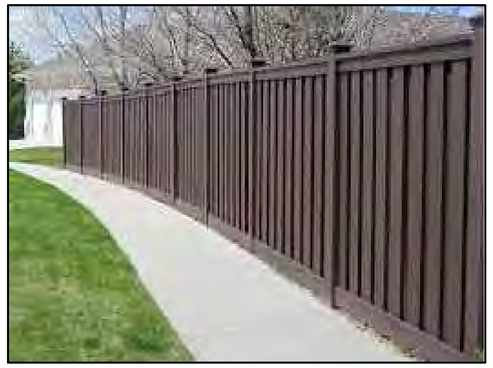
Stocked accessories – Ordering guide (Must be ordered separately)

Catalog Number	Description	Master Pack. Qty	UPC Code
LPWCWPLT-BZ*	LPW Universal wall cover mounting plate, Bronze textured paint	(none)	190006144880

[1] Must specify voltage. Not available in 347V or 480V.
* Other colors available upon request as made-to-order

LPW16_LytePro_sconce 06/19 page 1 of 3

PROPOSED WALL LIGHTING



PROPOSED 7' HIGH FENCING AT NEW PLAYGROUND
TREX SECLUSIONS (WOODLAND BROWN)

19'-0"

33'-0"

16'-0"

NEW PARKING AREA

(4) ADDITIONAL SPACES

ASPHALT

EXIST. UTILITY SERVICE POLE

194.45' EXISTING LOT LINE

EXISTING 16.00' PUBLIC ALLEY

7.00'

45.31' LOT LINE

12'-6"

124.28' APPROX. LOT LINE

PROPOSED SITE PLAN EXPANSION

1/8" = 1'-0"

N

SHEET NO.	P-1

A NEW SITE EXPANSION FOR
POKO LOKO EARLY LEARNING CENTER
5641 DEMPSTER STREET
MORTON GROVE, ILLINOIS

JOB NO.	
DRAWN BY:	PAP
CHECKED BY:	PAP
APPROVED BY:	PAP

PSENKA ARCHITECTS Inc.
ARCHITECTURE · PLANNING · DESIGN · BUILD
40 LANDOVER PARKWAY, SUITE 4 HAWTHORN WOODS, IL 60047
TELEPHONE: 847-756-4700

ISSUE DATES:

DATE	REMARKS
10-8-24	FOR REVIEW

BENCHMARK INFO

2 SITE BENCHMARK SET: SOUTH BENCHMARK 1 CHISELED X ON TOP OF SOUTH CURB DEMPSTER NORTH OF NORTH WEST 5633 PARCEL ELEVATION 628.850.
SOUTH BENCHMARK 2 CHISELED X ON TOP OF SOUTH CURB DEMPSTER ADJACENT TO NORTH WEST 4655 BUILDING ELEVATION 628.550.
REFERENCE BENCHMARK IS NGS BM #134 ELEVATION 651.04 NAVD 88.

A NEW SITE EXPANSION FOR POKO LOKO EARLY LEARNING CENTER SITE DEVELOPMENT PLAN 5641 DEMPSTER ST., MORTON GROVE, COOK COUNTY, IL

SECTION: 20
TOWNSHIP: 41N
RANGE: 13E

PIN:
10-20-204-001-0000,
10-20-204-002-0000,
10-20-204-003-0000,
10-20-204-004-0000,
10-20-204-005-0000,
10-20-204-006-0000,
10-20-204-007-0000,
10-20-204-008-0000

SITE LOCATION MAP

DRAWING INDEX:

1. TITLE SHEET, LEGEND, SITE LOCATION, & AERIAL MAP
2. EXISTING TOPOGRAPHY, DEMOLITION PLAN, SOIL EROSION & SEDIMENTATION CONTROL PLAN
3. PROPOSED GRADING & DRAINAGE PLAN – OVERALL SITE
4. PROPOSED UTILITIES PLAN – OVERALL SITE
5. SITE PLAN & GEOMETRIC PLAN – OVERALL SITE
6. CONSTRUCTION NOTES (NOT INCLUDED)
7. STANDARD DETAILS (NOT INCLUDED)
8. STANDARD DETAILS (NOT INCLUDED)
9. IDOT HIGHWAY STANDARD DETAILS (NOT INCLUDED)
10. IDOT HIGHWAY STANDARD CONT... (NOT INCLUDED)
11. IDOT HIGHWAY STANDARD CONT... (NOT INCLUDED)

AERIAL MAP

PROJECT NARRATIVE

GENERAL: PROPOSED NEW PARKING LOT AND PLAY AREA FOR THE EXISTING POKO LOKO EARLY LEARNING CENTER. A FUTURE STORAGE BUILDING WITH BE CONSTRUCTED.

AREA SUMMARY:
TOTAL AREA OF SITE: 0.742 ACRES
DISTURBED AREA OF SITE: 0.143 ACRES

SPECIAL PROTECTION AREAS: NO FLOODPLAIN LOCATED ON SITE OR WITHIN 100' OF SITE. THERE ARE NO WETLANDS WITHIN 100' OF SITE.

UPSTREAM TRIBUTARY: THERE IS NO UPSTREAM TRIBUTARY AREA FOR THE SITE.

COMBINED/SEPARATE SEWER AREA INFO: PROPOSED PROJECT IS LOCATED IN A COMBINED SEWER AREA.

DETENTION/VOLUME CONTROL FACILITY: DETENTION (SITE AREA<3AC.) IS NOT REQUIREMENT PER MWRD. DETENTION IS REQUIRED PER LOCAL REQUIREMENTS. VOLUME CONTROL(SITE AREA<0.5AC.) IS REQUIRED PER MWRD REGULATIONS.

SANITARY SEWERS: NO SANITARY SERVICE IS PROPOSED.

SOILS/INFILTRATION RATE: SILTY CLAYS

GROUNDWATER ELEVATION: SEASONAL HIGH GROUNDWATER TABLE N/A

1. I HEREBY CERTIFY THAT THE PROPOSED IMPROVEMENTS WILL NOT ADVERSELY IMPACT THE SUBJECT PROPERTY, THE SURROUNDING PROPERTIES OR THE PUBLIC RIGHT-OF-WAY WITH RESPECT TO STORMWATER DRAINAGE, AND THAT A SAFE OVERFLOW ROUTE HAS BEEN ESTABLISHED.
2. I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE THAT THE PROPOSED IMPROVEMENT IS LOCATED IN FLOOD PROTECTION AREAS BASED ON THE INFORMATION FROM THE FEMA MAPS.

ABHIJIT VEER 062-067076 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
EXP. 11-30-25

Abhi Veer
ENGINEER

10-08-2024
DATE

LEGEND:

	EXISTING	PROPOSED
PROPERTY LINE		
SANITARY SEWER LINE		
WATER LINE		
STORM SEWER LINE		
STORM MANHOLE		
SANITARY MANHOLE		
COMBINED SEWER		
COMBINED MANHOLE		
CATCH BASIN		
INLET		
WATER VALVE VAULT		
WATER VALVE		
GRADE	100.00	987.65
DRAINAGE DIVIDE		
CURB & GUTTER		
CLEANOUT		CO
DOWNSPOUT (ROOF DRAINS)	DS	DS
WATER B. BOX		WB
TREE PROTECTION FENCE		
CONSTRUCTION FENCE		CF
INLET FILTER BASKET		
TRAFFIC DIRECTION PAVEMENT MARKING		
FIRE HYDRANT		
RETAINING WALL W/RAILING		
TOP OF CURB BOTTOM OF CURB		T/C XXX.XX B/C XXX.XX
TOP OF CURB BOTTOM OF GUTTER		T/C XXX.XX B/G XXX.XX
WALK BOTTOM OF WALK		W XXX.XX B/W XXX.XX
DESPRESSED CURB BOTTOM OF GUTTER		D/C XXX.XX B/G XXX.XX
MOUNTABLE CURB		M/C XXX.XX B/C XXX.XX

Contact the Metropolitan Water Reclamation District of Greater Chicago 2 days before starting work.

P (708) 588-4055
E WMOJobStart@mwrd.org

NOTE

The location of existing underground utilities, such as water mains, sewers, gas lines, etc., as shown on the plans, has been determined from the best available information and is given for the convenience of the Contractor. However, the Owner and the Engineer do not assume responsibility in the event that during construction, utilities other than those shown may be encountered, and that the actual location of those which are shown may be different from the location as shown on the plans.

Bono Consulting, Inc. is not responsible for the safety of any party at or on the construction site. Safety is the sole responsibility of the contractor and any other person or entity performing work or services. Neither the owner nor engineer assumes any responsibility for the job site safety of persons engaged in the work or the means or methods of construction.

Current Standard Specifications of the Judicial Authority shall apply to the construction on this project.

Note: The exact location of all utilities shall be verified by the contractor prior to construction activities. For utility locations call:
J.U.L.I.E. 1 (800) 892-0123

DATE	ISSUE	REVISIONS
10-08-2024	1	ISSUED FOR PERMIT

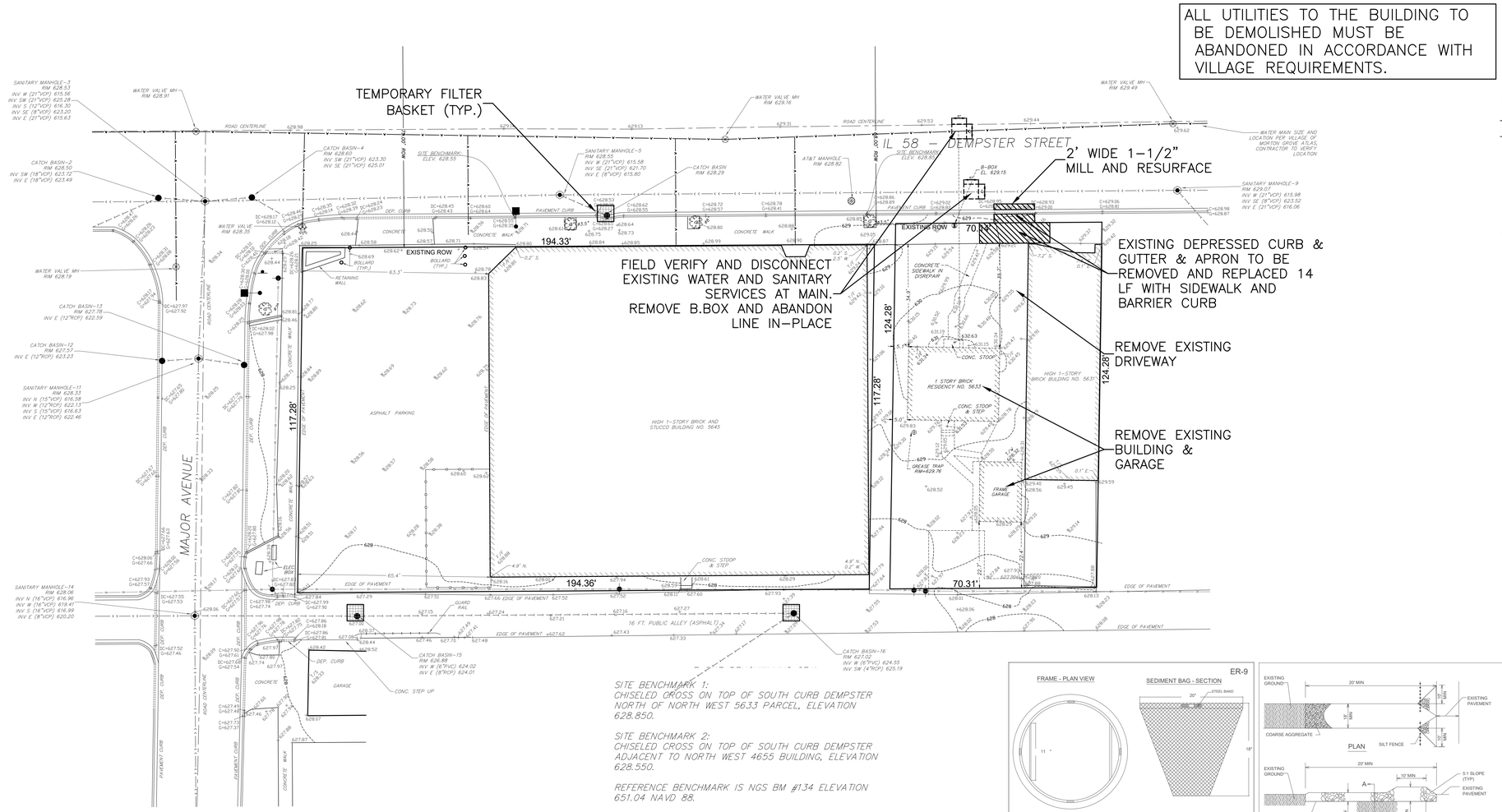
PROJECT STAFF
PROJECT MANAGER: B. BONO P.E.
ENGINEER: A. VEER P.E.
ENGINEER:
TECHNICIAN:

BCI
BONO CONSULTING CIVIL ENGINEERS
A Server & Maller Engineers Company
1018 BUSSE HIGHWAY PH : (847) 823-3300
PARK RIDGE, IL 60068 FAX: (847) 823-3303
bbono@bonoconsulting.com

TITLE SHEET, LEGEND, SITE LOCATION MAP, & AERIAL MAP
POKO LOKO EARLY LEARNING CENTER
5641 DEMPSTER ST., MORTON GROVE, IL

PROJECT NUMBER: B22323
START DATE: FEB. 15, 2023
GRAPHIC SCALE
0
SCALE: NTS

SHEET NUMBER
1 OF 11



NOTE :
EXISTING CONDITIONS ARE BASED UPON A TOPOGRAPHIC SURVEY. THIS IS NOT A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY AND SHALL NOT BE USED AS A BASIS FOR CONSTRUCTION LAYOUT. PROPERTY LINE INFORMATION SHOWN IS BASED ON THE PLAT OF SURVEY RECEIVED FROM THE OWNER AND ANY IRON PIPES (AS INDICATED) FOUND BY BCI'S SURVEY CREW.

PROPERTY BOUNDARY INFORMATION SHOWN HEREON IS TAKEN FROM OFFICIAL PLATS AND RECORDS

LOCATION OF UNDERGROUND UTILITIES WHERE NOT SUBSTANTIATED BY PHYSICAL EVIDENCE ARE TAKEN FROM RECORDS NORMALLY CONSIDERED RELIABLE. NO RESPONSIBILITY FOR THEIR ACCURACY IS ASSUMED BY THE SURVEYOR.

FOR LOCATION OF BURIED CABLE CALL J.U.L.I.E. @ 1–800–892–0123 BEFORE DIGGING

LOCATIONS OF EXISTING UTILITY SERVICES

LEGAL DESCRIPTION:

PARCEL 1:
LOT 1 AND 2 IN DEMPSTER GARDEN "L" TERMINAL SUBDIVISION OF LOT 1 (EXCEPT THE EAST 2.5 ACRES THEREOF) IN THE COUNTY CLERK'S PARTITION OF LOT 2 AND 3 IN COUNTY CLERK'S DIVISION OF THE EAST 1/2 OF THE NORTHEAST 1/4 OF SECTION 19 AND 20, TOWNSHIP 41 NORTH, RANGE 13, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK, ILLINOIS.
LOTS 1,2,3,AND 4 IN LUENINGS SUBDIVISION OF THE EAST 2.5 ACRES OF LOT 1 IN COUNTY CLERK'S PARTITION OF LOT 2 AND 3 IN THE COUNTY CLERK'S DIVISION OF SECTION 20, TOWNSHIP 41 NORTH, RANGE 13, EAST OF THE THIRD PRINCIPAL MERIDIAN AND THE EAST 1/2 OF THE NORTHEAST 1/4 OF SECTION 19, TOWNSHIP 41 NORTH, RANGE 13, EAST OF THE THIRD PRINCIPAL MERIDIAN AND DESIGNATED ON PLAT OF SUBDIVISION RECORDED JULY 22, 1926, AS DOCUMENT 9316935 IN COOK COUNTY, ILLINOIS.
PARCEL 2:
LOT 913 (EXCEPT THE NORTH 7 FT. TAKEN FOR DEMPSTER STREET) IN KRENN AND DATO'S SECOND ADDITION TO DEMPSTER STREET "L" TERMINAL SUBDIVISION OF THAT PART 13 ACRES OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 20, TOWNSHIP 41 NORTH, RANGE 13, EAST OF THE THIRD PRINCIPAL MERIDIAN, LYING NORTHERLY OF THE CENTER LINE OF THEOBALD ROAD, IN COOK COUNTY, ILLINOIS.

COMMONLY KNOWN AS: 5631 AND 5645 DEMPSTER STREET, MORTON GROVE, ILLINOIS

SOIL EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE

NOTE: GENERAL CONTRACTOR TO COMPLETE TABLE WITH THEIR SPECIFIC PROJECT SCHEDULE

CONSTRUCTION SEQUENCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN
TEMPORARY CONSTRUCTION EXITS																									
TEMPORARY CONTROL MEASURES																									
SEDIMENT CONTROL BASINS																									
STRIP & STOCKPILE TOPSOIL																									
ROUGH GRADE																									
STORM FACILITIES																									
SITE CONSTRUCTION																									
PERMANENT CONTROL STRUCTURES																									
FOUNDATION / BUILDING CONSTRUCTION																									
FINISH GRADING																									
LANDSCAPING/SEED/FINAL STABILIZATION																									

1) CONTRACTOR SHALL UPDATE THE TABLE BY DATING THE APPLICABLE ACTIVITIES AS PROJECT PROGRESSES.
2) TIME SCHEDULE MUST COINCIDE WITH SEQUENCE OF CONSTRUCTION.

SEEDING INFORMATION
CONTRACTOR TO SEED ALL DISTURBED AREA.
TURF GRASS SEED MIX:
FURNISH AND APPLY SUNNY TURF GRASS SEED MIX (TIMOTHY–33.3% / ORCHARDGRASS–33.3% / KENTUCKY BLUEGRASS–33.3%, SEEDING RATE=70 LBS./ACRE AND COMMON OATS=30 LBS./ACRE FOR A TOTAL 100 LBS./ACRE. OVERSEED WITH 10 LBS./ACRE ANNUAL RYE. SEEDING MUST COMMENCE WITHIN 1 WEEK OF THE COMPLETION OF FINAL GRADING.

TEMPORARY SEEDING, SPECIES, RATES, & DATES

NOTE: GENERAL CONTRACTOR TO COMPLETE TABLE WITH THEIR SPECIFIC PROJECT SCHEDULE

SPECIES	LBS./ ACRE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
OATS	90												
CEREAL RYE	90												
WINTER WHEET	90												
WINTER MULCH	25												

BEST MANAGEMENT PRACTICES SEQUENCE

NOTE: UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER, PARKING, LAY DOWN, PORTA–POTTY, WHEEL WASH, CONCRETE WASHOUT, MASON'S AREA, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC., IMMEDIATELY DENOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS. IN ADDITION, NOTE ANY OFF–SITE AREAS WHERE FILL IS IMPORTED FROM OR SOIL IS EXPORTED TO ON THE SITE MAPS.

PHASE – I
1. INSTALL TREE PROTECTION FENCING AND EROSION CONTROL SILT FENCE, INLET FILTER BASKETS, MAINTAIN THROUGH OUT PROJECT.
2. USE ALLEY FOR CONSTRUCTION ACCESS, USE DRIVEWAY FOR CONSTRUCTION. INSTALL STABILIZED CONSTRUCTION ENTRANCE. OBSERVE ALL APPROPRIATE MUTCD/IDOT TRAFFIC CONTROL MEASURES FOR CONSTRUCTION TRAFFIC ENTERING HIGHWAY. CONTRACTOR IS RESPONSIBLE FOR KEEPING ROADS FREE OF MUD AND DEBRIS.
3. PROTECT TREES THAT ARE SHOWN TO BE PROTECTED.
4. ~~CONSTRUCT TEMPORARY SEDIMENT BASIN.~~
5. CONSTRUCT DETENTION FACILITY WITHIN 30 DAYS OF TREE REMOVAL/BRUSH CLEARING.
6. INSTALL UTILITIES AND PERFORM MASS GRADING.

HALT ALL ACTIVITIES AND CONTACT THE VILLAGE TO PERFORM INSPECTION AND CERTIFICATION OF BMPS. GENERAL CONTRACTOR SHALL SCHEDULE AND CONDUCT THE STORMWATER PRE–CONSTRUCTION MEETING WITH THE CONSTRUCTION MANAGER, AGENCY(IES) AND GROUND–DISTURBING CONTRACTORS BEFORE PROCEEDING WITH CONSTRUCTION.

ALL EXCEPTIONS NOTED ON THE BMP CERTIFICATION FORM MUST BE ADDED TO THE FIRST DAILY REPORT AS A DEFICIENCY OR DEFICIENCIES AND RESOLVED WITHIN 24–HOURS. BMPS CAN NOT BE CERTIFIED IF ANY EXCEPTION REQUIRES GREATER THAN 24–HOURS TO RESOLVE.

DAILY INSPECTIONS AND REPORTING USING THE SWPPP MANAGEMENT TOOL MUST START THE DAY OF OR IMMEDIATELY AFTER BMP CERTIFICATION.

7. ~~CONSTRUCT AND STABILIZE SEDIMENT BASIN(S) AND SEDIMENT TRAP(S) WITH APPROPRIATE OUTFALL STRUCTURES (CLEAR ONLY THOSE AREAS NECESSARY TO INSTALL BASINS AND TRAPS).~~
8. INSTALL AND STABILIZE HYDRAULIC CONTROL STRUCTURES (DIKES, SWALES, CHECK DAMS, ETC.).
9. BEGIN CLEARING AND GRUBBING THE SITE.
10. BEGIN GRADING THE SITE.

PHASE II
1. TEMPORARILY SEED, THROUGHOUT CONSTRUCTION, DENUDED AREAS THAT WILL BE INACTIVE FOR 7 DAYS OR MORE. IF ACTIVITY WILL RESUME WITHIN 14 DAYS, TEMPORARY SEEDING IS NOT REQUIRED.
2. INSTALL UTILITIES, UNDERDRAINS, STORM SEWERS, CURBS AND GUTTERS.
3. ~~INSTALL RIP RAP AROUND OUTLET STRUCTURES AS EACH OUTLET STRUCTURE IS INSTALLED.~~
4. INSTALL INLET PROTECTION AT ALL STORM SEWER STRUCTURES AS EACH INLET STRUCTURE IS INSTALLED.
5. PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE BROUGHT TO FINAL GRADE.
6. PREPARE SITE FOR PAVING.
7. PAVE SITE.
8. INSTALL APPROPRIATE INLET PROTECTION DEVICES FOR PAVED AREAS AS WORK PROGRESSES.
9. COMPLETE GRADING AND INSTALLATION OF PERMANENT STABILIZATION OVER ALL AREAS.
10. CONTINUE DAILY INSPECTION REPORTS UNTIL THE FINAL DAILY INSPECTION REPORT, MARKED 'READY TO TERMINATE PERMIT', IS SIGNED BY THE CONSTRUCTION MANAGER AND SUBMITTED VIA THE SWPPP MANAGEMENT TOOL.
11. STABILIZE SITE AND INSTALL ALL FENCES CONCURRENTLY.

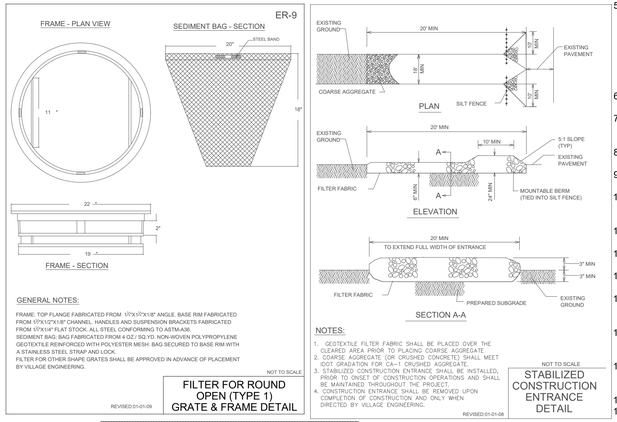
NOTE: THE GENERAL CONTRACTOR MAY COMPLETE CONSTRUCTION–RELATED ACTIVITIES CONCURRENTLY ONLY IF ALL PRECEDING BMPS HAVE BEEN COMPLETELY INSTALLED.

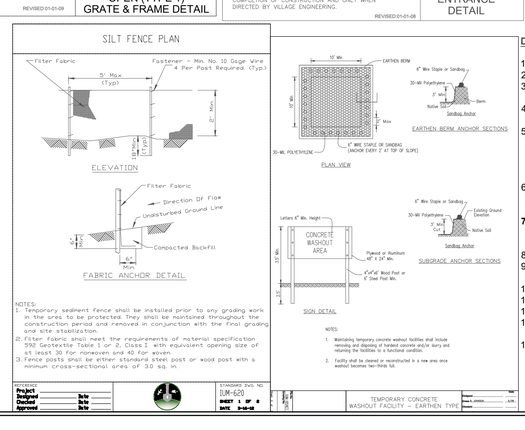
EARTHWORK / EROSION & SEDIMENTATION CONTROL

1) All construction activities that involve earthwork shall meet the National Pollutant Discharge Elimination System Phase II requirements:
   a) ~~Submittal of a Notice of Intent (NOI) to IEPA.~~
   b) Possession of a completed and signed Stormwater Pollution Prevention Plan (SWPPP) and a graphic Erosion and Sediment Control (ESC) plan.
   c) Implementation of the SWPPP.
   d) Submittal of an Incidence of Noncompliance (ION) if an event occurs.
   e) Weekly reports after ½" rainfall or 5" snowfall.
   f) Documentation of changes to ESC plan.
   g) ~~Submittal of a Notice of Termination (NOT) when final stabilization is achieved.~~
2) Any wetland mitigation shall begin prior to any grading work and shall be in accordance with the approved mitigation permit plan and requirements.
3) In order to protect and ensure against flooding, all top of foundations shall be set a minimum of one (1') foot above the high water level of adjacent stormwater management facilities such as retention/detention ponds.
4) The contractor shall maintain existing positive drainage from off-site at all times during construction.
5) Within the limits of proposed grading the soil shall be compacted to not less than the following percentages of modified proctor dry density in accordance with ASTM D 1557-78:
   a) Under structures. Building slabs, steps and pavements, Compact six (6") inch maximum lifts of subgrade. Backfill or fill material at 95% modified proctor dry density.
   b) Under walkways. Compact six (6") inch maximum lifts of dry subgrade, backfill, or fill material at 95% modified proctor dry density.
   c) Under lawn or unpaved areas. Compact six (6") inch maximum lifts of subgrade, backfill, or fill material at 85% modified proctor dry density.
6) All erosion control work shall comply with "Illinois Procedures and Standards for Urban Soil Erosion and Sedimentation Control."
7) Stripping of vegetation, grading or other soil disturbance, especially in designated wetland areas, shall be done in a manner which will minimize soil erosion, and shall be in accordance with the approved drawings, mitigation and permit requirements.
8) The contractor shall take precautionary measures to minimize earthwork in areas where trees are to be saved as shown on the plans or determined in the field.
9) The extent of the area which is exposed and free of vegetation and the duration of its exposure shall be kept within practical limits as directed by the Village Engineer.
10) Sedimentation shall be retained on site. Sediment fence shall be installed along the perimeter of all regraded areas or as required to prevent sediment from entering and/or leaving the site.
11) Dust produced from the site shall be kept to a minimum during dry periods by spraying water as required to the Village Engineer's satisfaction and is to be considered incidental.
12) All mud shall be removed from all tires before leaving the site and the roads shall be kept clean and clear of mud and debris at all times.
13) Culverts and drainage ditches shall be kept clean and clear of obstructions during the construction period.
14) Silt fences shall be inspected frequently and maintained or replaced as required to maintain both their effectiveness and integrity. The underside of bales shall be kept in close contact with the earth below at all times to prevent water from washing beneath them.
15) Water courses and drainage swales adjacent to construction activities shall be monitored as necessary, for evidence of silt intrusion and other adverse environmental impacts. Any problems or deficiencies shall be corrected immediately upon their discovery.
16) Sod all unpaved areas of parkways, right-of-ways and front yards to rear wall of the building. Any and all **other** site seeding **may** be used, in some instance particularly for the back yard, only with prior approval by the Village Engineer.
17) The contractor shall install all erosion control items prior to commencement of any work.
18) The contractor shall install temporary orange fence around all trees to remain and wetland areas to be mitigated.

DEMOLITION NOTES

1. Install temporary tree protection fencing prior to any demolition work.
2. Install temporary 6' high chain link fence around the proposed work area as shown on the drawing.
3. Contractor to call julie at 1-800-892-0123. minimum of 48 hours prior to initiating any excavation or demolition.
4. Contractor shall verify the exact elevation and location of all existing utilities and appurtenances prior to construction, to avoid interferences.
5. Appropriate precautions shall be taken to avoid damage to and to protect existing utilities and appurtenances in the vicinity of work. Contractor shall be responsible for the protection of all underground or overhead utilities even though they may not be shown on the plans. any utility that is damaged during construction shall be repaired to the satisfaction of the Village and the owner, or replaced.
6. Any open excavations, or potentially dangerous areas shall be fenced or guarded in an acceptable manner at the end of each day for the protection of the contractor's employees and general public safety.
7. **Bono Consulting Civil Engineers is not liable for any construction site safety**. Contractor to take all OSHA regulated and applicable local safety precautions to safe guard all potentially hazard sites/work.
8. Contractor is responsible for keeping roads free of excessive debris at all times.
9. Any soil, mud or debris that is washed, tracked, or deposited onto the street shall be removed before the end of each day.
10. Topographic survey by others.
11. All excavation shall be tapered, or, shored and maintained pumped dry.
12. Do not create dust or other nuisance to neighboring properties during construction
13. "No trespassing" signs shall be mounted on the fencing in conspicuous locations until construction is completed and approved
14. Any gate in the perimeter fence shall be adequately hinged to prevent entry, except to allow ingress and egress to and from site, such gate must be looked at all times, other than permitted hours of construction.





DATE	REVISIONS	ISSUE	PROJECT STAFF	
10-08-2024	ISSUED FOR PERMIT	1	PROJECT MANAGER:	B. BONO P.E.
			ENGINEER:	A. VEER P.E.
			ENGINEER:	
			TECHNICIAN:	

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BONO CONSULTING CIVIL ENGINEERS
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PARK RIDGE, IL 60068 FAX: (847) 823-3303
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EXIST. TOPOGRAPHY, DEMOLITION, EROSION AND SEDIMENTATION CONTROL PLAN

POKO LOKO EARLY LEARNING CENTER
5641 DEMPSTER ST., MORTON GROVE, IL

PROJECT NUMBER: B22323
START DATE: FEB. 15, 2023
GRAPHIC SCALE
15 0 15
SCALE: 1"=15'-0

SHEET NUMBER
2 OF 11

Poko Loko - 5645 Dempster, Morton Grove

Date: 6.27.24

	Existing Sq. Ft.	Acres	Proposed Sq. Ft.	Acres
Site Area	32,323.00	0.742	(includes Survey Gap Area)	
Survey Gap Area	859.23	0.020		
Disturbed Area of Site	6,229.00	0.143		
Building	17,384.97	0.399	1,968.00	0.045
Walks & Conc. Pads	711.82	0.016	98.00	0.002
Access & Parking	8,741.99	0.201	1,965.00	0.045
Impervious Area	26,838.78	0.616	4,031.00	0.093
Pervious Area	5,484.22	0.126	2,198.00	0.050

Disturbed area of Site 0.143 **Ac.**

MWRD (MOD.RATIONAL METHOD)
100 YEAR

Project: 5843 Dempster, Morton Grove — Project No:
Date:2.27.23 — Computed By: AV

DETENTION FOR DISTURBED AREA OF THE SITE

Disturbed Area
Disturbed Area of Site 0.143 acres

Release Rate = 0.3*0.143 0.043 Per MWRD

Developed Disturbed Area of Site/Proposed

Land UseType	Runoff Coefficient	Area (Acres)	Percentage
Impervious	0.90	0.093	65.0%
Grass & Landscaping	0.45	0.050	35.0%
Surface Ponding	1.00	0.000	0.0%
Composite Characteristics:	***0.74***	***0.143***	***100.0%***

BULLETIN 75 STORM EVENT (2019 RAINFALL DATA)

Storm Duration (Min)	Storm Duration (Hours)	Rainfall Intensity (Inch/Hour)	Inflow Rate (CFS)	Release Rate (CFS)	Storage Rate (CFS)	Storage Required (Acre-Feet)
5	0.08	12.34	1.31	**0.043**	1.27	0.009
10	0.17	10.80	1.15	**0.043**	1.10	0.015
15	0.25	9.26	0.98	**0.043**	0.94	0.020
30	0.50	6.34	0.67	**0.043**	0.63	0.026
60	1.00	4.03	0.43	**0.043**	0.39	0.032
120	2.00	2.49	0.26	**0.043**	0.22	0.037
180	3.00	1.83	0.19	**0.043**	0.15	0.038
360	6.00	1.07	0.11	**0.043**	0.07	0.035
720	12.00	0.62	0.07	**0.043**	0.02	0.023
1080	18.00	0.45	0.05	**0.043**	0.00	0.007
1440	24.00	0.36	0.04	**0.043**	0.00	-0.009

0.038 Acre-Feet
Required Detention Volume 1,649.25 ft³

A = 0.143 Acres — Impervious 0.093 Acres (C Value 0.95); Surf. Ponding 0.000 Acres (1); Landscape 0.050 Acres (0.5)

C = 0.690

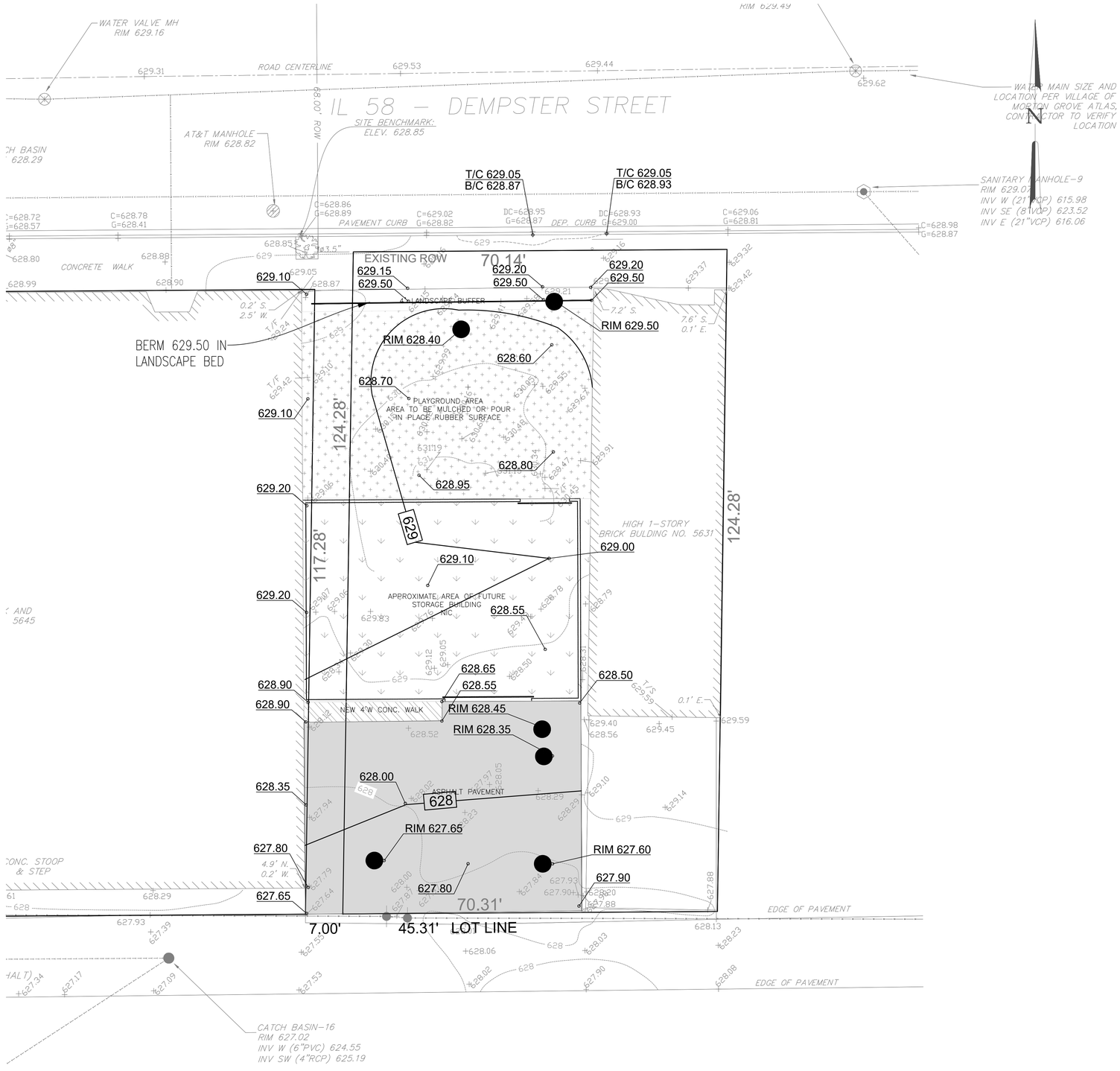
Release Rate 0.043 cfs

RESTRICTOR CALCULATION

Orifice Design

Require Q =	0.043 cfs	Det. HWL =	619.00
Cd =	0.61	Orifice Invert:	614.00
Max. Head =	4.95	Orifice Cent.	614.05
Orifice Area:	0.0084		
Calculated Max. Restrictor Discharge:		0.091	
Restrictor Diameter =		***1.24 inches***	

USE 3" VORTEX RESTRICTOR (MIN.)



PROJECT STAFF		ISSUE	REVISIONS	DATE
PROJECT MANAGER:	B. BONO P.E.	1	ISSUED FOR PERMIT	10-08-2024
ENGINEER:	A. VEER P.E.			
ENGINEER:				
TECHNICIAN:				

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PROPOSED GRADING & DRAINAGE PLAN

OVERALL SITE

POKO LOKO EARLY LEARNING CENTER
5641 DEMPSTER ST., MORTON GROVE, IL

PROJECT NUMBER: B22323
START DATE: FEB. 15, 2023
GRAPHIC SCALE
20 0 20
SCALE: 1"=20'-0

SHEET NUMBER
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100 YEAR

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Date:2.27.23

Project No:
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Required Detention Volume = 1,649.25 **ft³**

A = 0.143 Acres

		C Value
Impervious	0.093 Acres	0.95
Surf. Ponding	0.000 Acres	1
Landscape	0.050 Acres	0.5

C = 0.690

Release Rate 0.043 cfs

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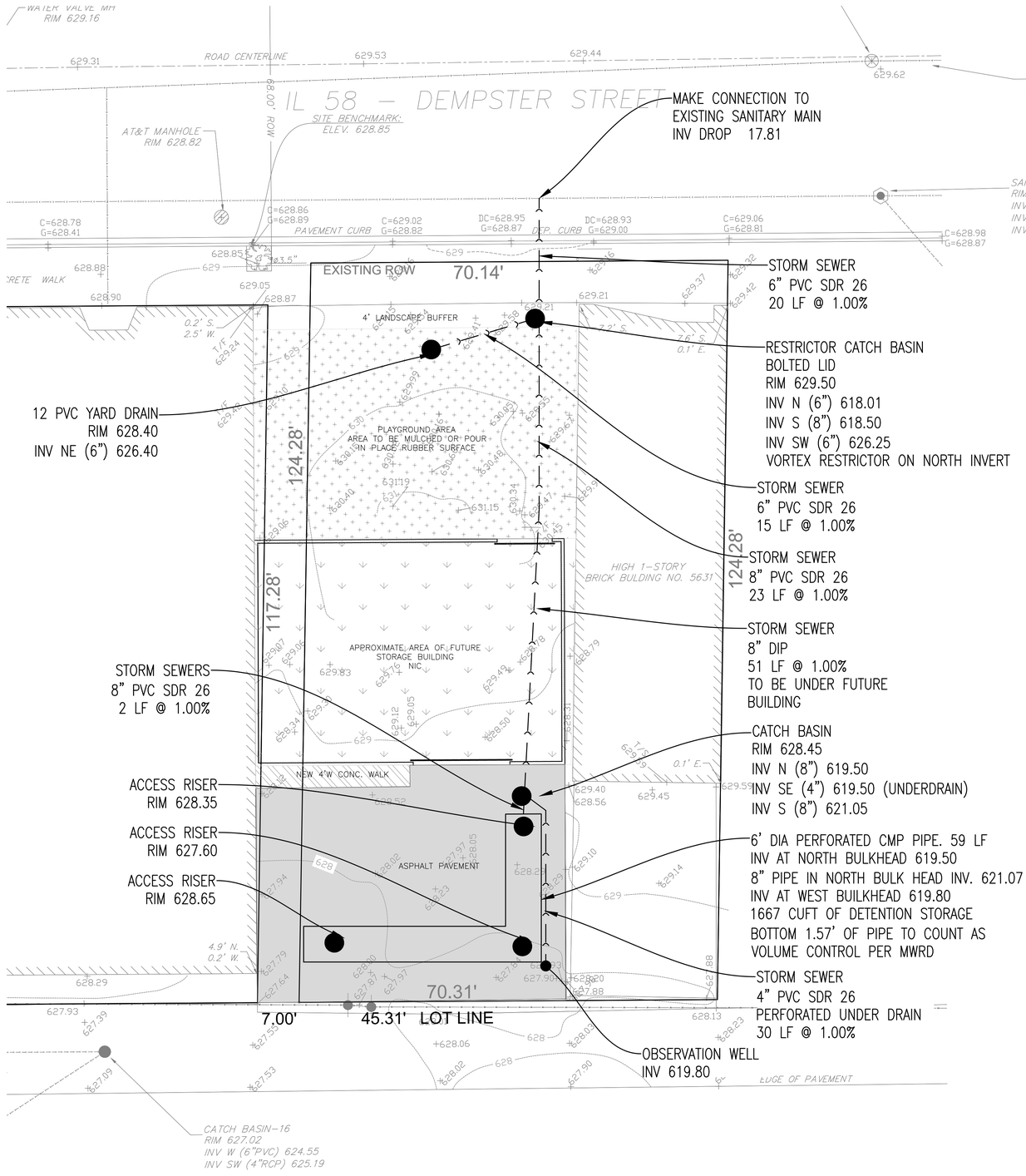

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	DATE
REVISIONS	10-08-2024
ISSUE	1 ISSUED FOR PERMIT

PROJECT STAFF
PROJECT MANAGER:
ENGINEER: B. BONO P.E.
ENGINEER: A. WEIER P.E.
TECHNICIAN:

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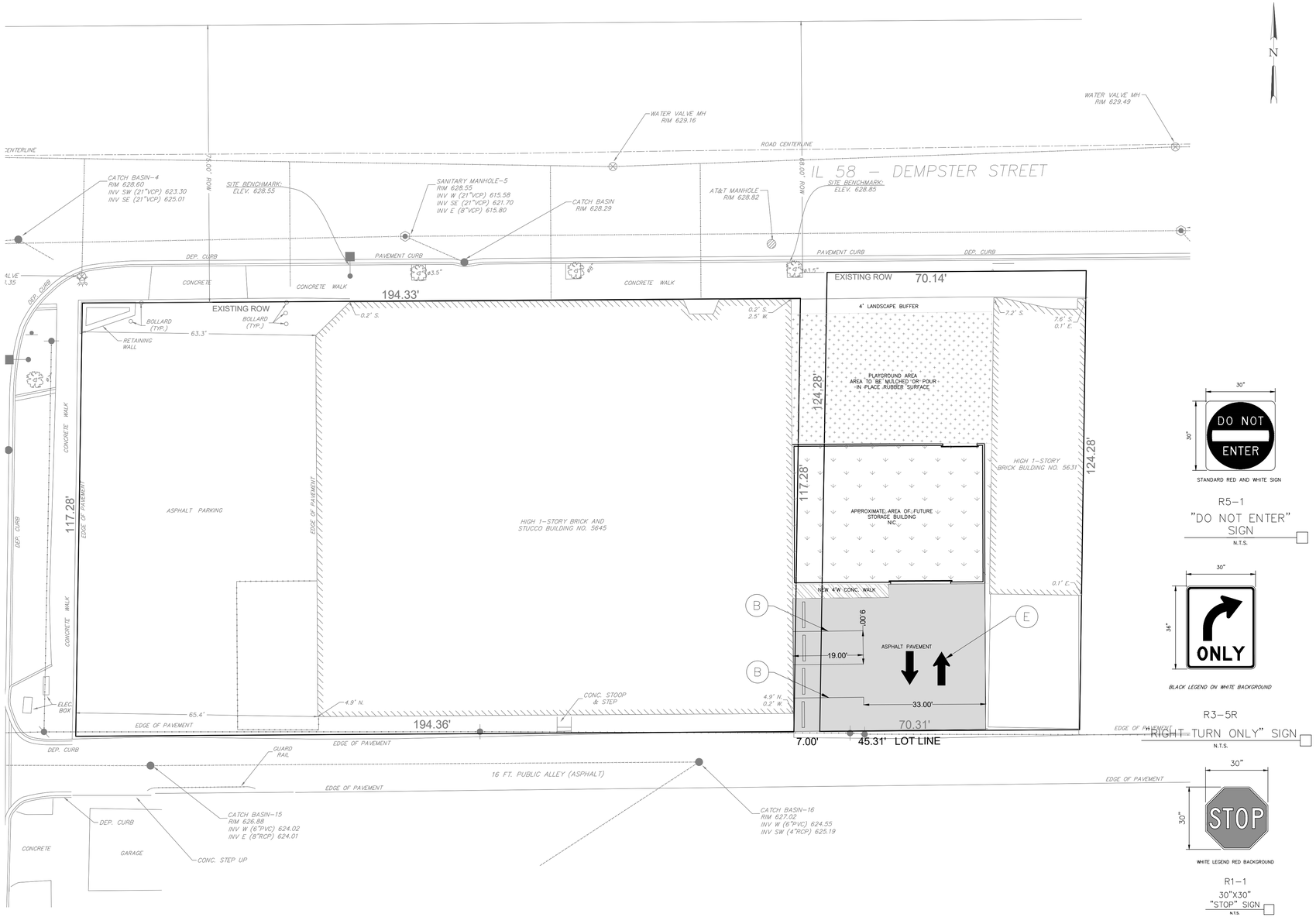
PROPOSED UTILITIES PLAN
OVERALL SITE
POKO LOKO EARLY LEARNING CENTER
5641 DEMPSTER ST., MORTON GROVE, IL

PROJECT NUMBER: B22323
START DATE: FEB. 15, 2023
GRAPHIC SCALE
20 0 20
SCALE: 1"=20'-0

SHEET NUMBER
4 OF 11



SITE PLAN NOTES:

A. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL LOCAL /COUNTY REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
B. ALL DISTURBED AREAS ARE TO RECEIVE SIX INCHES OF TOPSOIL, SEED, MULCH AND WATER UNTIL HEALTHY STAND OF GRASS IS ESTABLISHED UNLESS OTHERWISE NOTED.
C. ALL CURBED RADII ARE TO BE 3' MEASURED TO FACE OF CURB UNLESS OTHERWISE NOTED. STRIPED RADII ARE TO BE 5' UNLESS OTHERWISE NOTED.
D. ALL DIMENSIONS ARE FACE OF CURB TO FACE OF CURB AND RADII ARE BACK OF CURB OR BUILDING FOUNDATION UNLESS OTHERWISE NOTED.
E. BUILDING DIMENSIONS AND ADJACENT PARKING AND UTILITY LAYOUT HAVE BEEN PREPARED BASED UPON ARCHITECTURAL INFORMATION CURRENT AT THE DATE OF THIS DRAWING. SUBSEQUENT ARCHITECTURAL CHANGES MAY EXIST, THEREFORE CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR PRECISE BUILDING DIMENSIONS AND EXACT UTILITY ENTRANCE LOCATIONS AND NOTIFY THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
F. ALL PROPOSED CURB AND GUTTER SHALL BE B6.12 UNLESS OTHERWISE NOTED.
G. EXISTING TOPOGRAPHY SHOWN REPRESENTS SITE CONDITION AS PREPARED BY BONO CONSULTING CIVIL ENGINEERS. CONTRACTOR SHALL FIELD CHECK EXISTING ELEVATIONS AND CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY ARCHITECT AND ENGINEER OF ANY DISCREPANCIES PRIOR TO STARTING CONSTRUCTION.
H. THE CONTRACTOR SHALL CONTACT J.U.L.I.E. (1-800-892-0123) PRIOR TO ANY WORK TO LOCATE UTILITIES AND SHALL CONTACT THE OWNER SHOULD UTILITIES APPEAR TO BE IN CONFLICT WITH THE PROPOSED IMPROVEMENT.
I. EXISTING STRUCTURES WITHIN CONSTRUCTION LIMITS ARE TO BE REMOVED UNDER PROPOSED BUILDINGS AND ABANDONED ELSEWHERE AS NECESSARY. ALL COST SHALL BE INCLUDED IN BASE BID.
J. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, (UNLESS OTHERWISE NOTED ON PLANS) INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS AND POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES REQUIREMENTS AND PROJECT SITEWORK SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
K. SITE BOUNDARY, TOPOGRAPHY, UTILITY AND ROAD INFORMATION TAKEN FROM A SURVEY BY OTHERS.
L. IMPROVEMENTS ADJACENT TO BUILDING IF SHOWN SUCH AS TRUCK DOCK, RETAINING WALLS, SIDEWALKS, CURBING, CANOPIES, RAMPS, HANDICAP ACCESS, PLANTERS, DUMPSTERS AND TRANSFORMERS ETC. HAVE BEEN SHOWN FOR APPROXIMATE LOCATION ONLY. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, SLOPE PAVING, SIDEWALKS, EXIT PORCHES, TRUCK DOCKS, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
M. THE CONTRACTOR SHALL ADJUST RIM ELEVATIONS OF ALL EXISTING STRUCTURES TO PROPOSED GRADES AS INDICATED ON PLANS.
N. CONTRACTOR TO VERIFY LOCATION, SIZES, AND ELEVATIONS OF ALL BUILDING SERVICE LOCATIONS WITH ARCHITECTURAL PLANS.
O. TOTAL LAND AREA IS 0.742+/- ACRES. DISTURBED AREA OF SITE 0.142+/- ACRES.
P. NO WETLANDS WERE PRESENT ON THIS SITE.
Q. THE SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE "SITE SPECIFIC SPECIFICATIONS."
R. MONUMENT AND/OR PYLON SIGNS SHALL BE CONSTRUCTED BY OWNER ASSIGNED CONTRACTOR.
S. ALL ROADWAY AND PARKING LOT IMPROVEMENTS SHALL BE COMPLETED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS, LATEST EDITION.
T. ROUTING OF GAS, ELECTRIC AND TELEPHONE SERVICES IF SHOWN ARE APPROXIMATE ONLY AND SUBJECT TO CHANGE BASED UPON FINAL REVIEW AND APPROVAL BY RESPECTIVE UTILITY COMPANIES AND OWNER. CONTRACTOR SHALL CONTACT EACH UTILITY COMPANY AND COORDINATE FINAL LOCATIONS FOR ALL UTILITY SERVICES PRIOR TO START OF CONSTRUCTION.
U. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE
V. ALL SIDEWALK CROSS-SLOPES SHALL BE 1% UNLESS OTHERWISE NOTED.

STANDARD RED AND WHITE SIGN

R5-1
"DO NOT ENTER" SIGN
N.T.S.

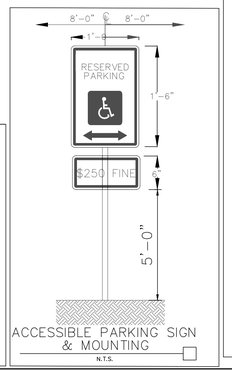
BLACK LEGEND ON WHITE BACKGROUND

R3-5R
"RIGHT TURN ONLY" SIGN
N.T.S.

WHITE LEGEND RED BACKGROUND

R1-1
30"X30"
"STOP" SIGN
N.T.S.

ACCESSIBLE PARKING STALL
N.T.S.



ACCESSIBLE PARKING SIGN & MOUNTING
N.T.S.

PAVEMENT MARKING LEGEND

A	24" WHITE SOLID STOP BAR
B	4" YELLOW SOLID LINE
C	~~8" SOLID WHITE LINE~~
D	~~LETTERS & SYMBOLS PAVEMENT MARKINGS~~
E	TRAFFIC FLOW DIRECTIONAL ARROWS
F	~~ACCESSIBLE PARKING SPACE PAVEMENT MARKINGS-SEE~~ DETAIL
G	~~4" YELLOW DIAGONAL AT 45° SPACED 3' O.C.~~
H	~~4" SOLID WHITE LINE~~

SIGNAGE LEGEND

1	~~STOP SIGN (R1-1)~~
2	~~ACCESSIBLE PARKING SIGN (R7-8)~~
3	~~NO PARKING SIGN FIRE LANE (R8-31)~~
4	~~DO NOT ENTER (R5-1)~~
5	~~PEDESTRIAN CROSSING SIGN~~
6	~~RIGHT TURN ONLY SIGN (R3-5R)~~
7	~~ONE WAY SIGN (R6-2L/R)~~
8	~~TWO WAY TRAFFIC SIGN (W6-3)~~
9	~~EMPLOYEE PARKING SIGN~~
10	~~NO LEFT TURN (R3-2)~~
11	~~NO RIGHT TURN (R3-1)~~
12	~~YIELD SIGN (X-R1-2)~~
13	~~ON COMING TRAFFIC DOES NOT STOP SIGN (X-W4-4BP) INSTALL BELOW #12~~

PAVEMENT LEGEND

HEAVY DUTY PAVEMENT (NOT USED)
2" BITUMINOUS SURFACE COURSE, HOT-MIX ASPHALT, MIX D, N50
2-1/4" BITUMINOUS BINDER COURSE, HOT-MIX ASPHALT, IL-19, N50
5" BITUMINOUS BINDER COURSE, HOT-MIX ASPHALT, IL-19,
4" AGGREGATE BASE COURSE CA-6, TYPE B

STANDARD DUTY PAVEMENT (NOT USED)
(SN=2*0.40+2*0.33+10*.11=2.56)
2" BITUMINOUS SURFACE COURSE, HOT-MIX ASPHALT, MIX D, N50
2" BITUMINOUS BINDER COURSE, HOT-MIX ASPHALT, IL-19, N50
10" AGGREGATE BASE COURSE CA-6, TYPE B

CONCRETE APRON/PAVEMENT
8" CONCRETE PAVEMENT (W/6X6 W/1.4 WWF)*
4" COMPACTED AGGREGATE BASE CA-6, TYPE B

CONCRETE PADS - TRASH CORRAL & UTIITY PADS
8" CONCRETE PAVEMENT W/6X6 W/1.4 WWF*
4" COMPACTED AGGREGATE BASE CA-6, TYPE B

SIDEWALKS
5" PORTLAND CEMENT CONCRETE- 8" PORTLAND CEMENT CONCRETE WITHIN DRIVEWAYS
4" COMPACTED AGGREGATE BASE COURSE, TYPE B

IDOT PAVEMENT RESURFACING (NOT USED)
1-1/2" SURFACE COURSE

DETECTABLE WARNING AND DEPRESSED CURB
REPLACEABLE RED POLYMER COMPOSITE PLATES

*REFER TO CONCRETE JOINT DETAILS (IF ANY).

	DATE
REVISIONS	10-08-2024
ISSUED FOR PERMIT	
1	

PROJECT STAFF
PROJECT MANAGER: B. BONO P.E.
ENGINEER: A. WEER P.E.
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SITE PLAN & GEOMETRIC PLAN
OVERALL SITE
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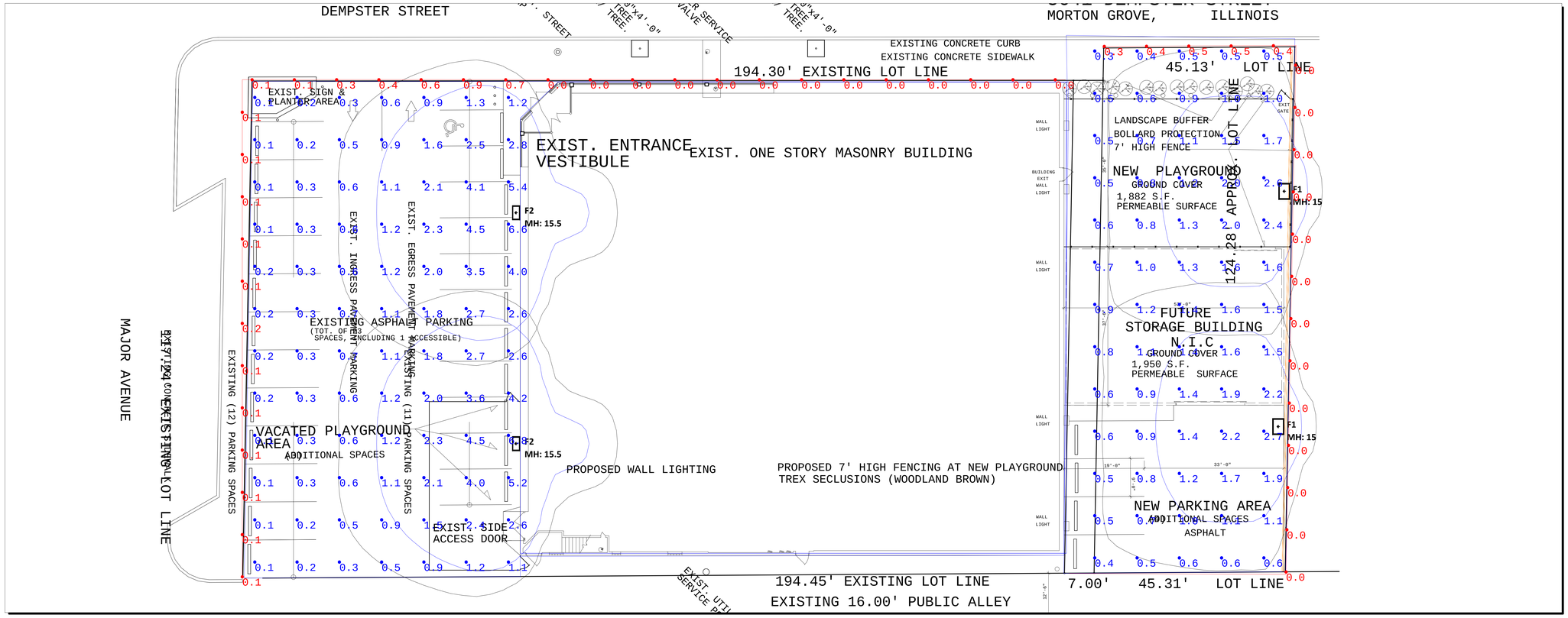
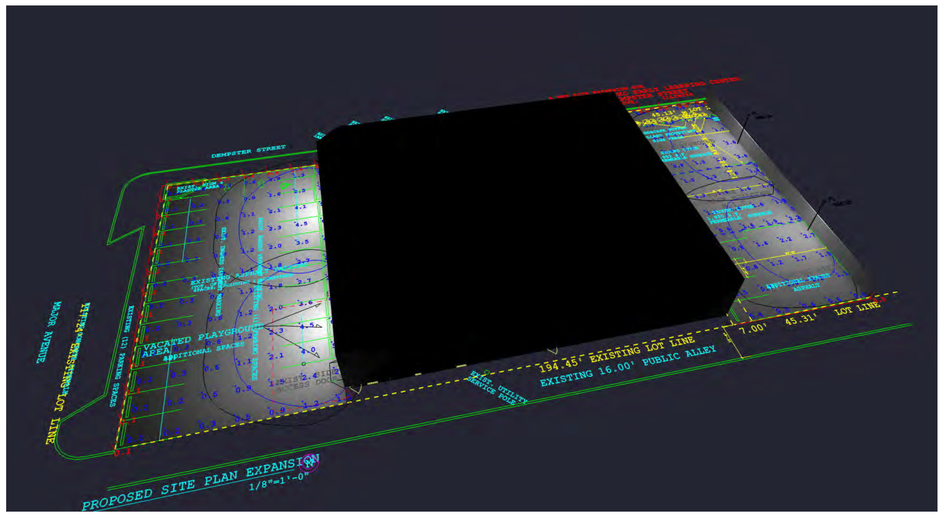
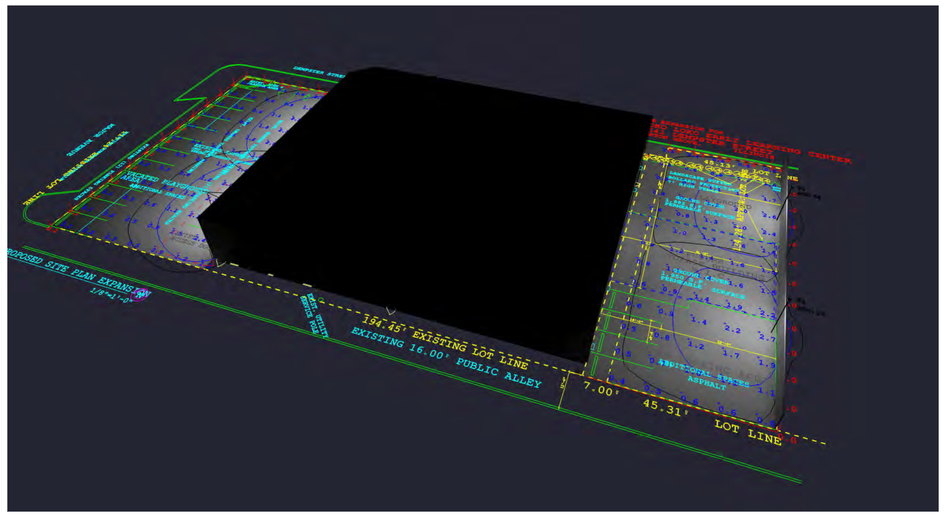
5 OF 11







Luminaire Schedule				
Symbol	Qty	LLF	Description	Type
	2	0.950	DSX0 LED P2 40K 80CRI TFTM HS	F1
	2	0.950	WDGE3 LED P1 70CRI RFT 40K	F2

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Object_1_Planar	Illuminance	Fc	1.51	6.8	0.1	15.10	68.00
Object_3_Planar	Illuminance	Fc	1.12	2.7	0.3	3.73	9.00
Property Line	Illuminance	Fc	0.14	0.9	0.0	N.A.	N.A.
Property Line Playground	Illuminance	Fc	0.12	0.5	0.0	N.A.	N.A.

Notes :
1. Calculation Work Plane : Ground Level
2. Fixture Mounting Height : Noted Above
3. Calculation Point Spacing : 10' x 10'

KSA LIGHTING & CONTROLS

Poko Loco

Drawn By: Scott Shellberg
Date:11/1/2024
Notes :

D-Series Size 0
LED Area Luminaire

Catalog Number

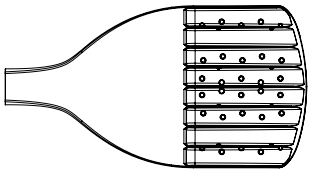
Notes

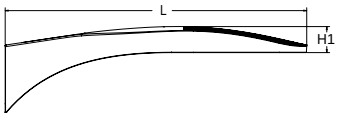
Type

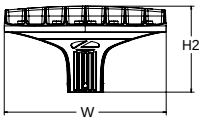
Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA:	0.44 ft² (0.04 m²)
Length:	26.18" (66.5 cm)
Width:	14.06" (35.7 cm)
Height H1:	2.26" (5.7 cm)
Height H2:	7.46" (18.9 cm)
Weight:	23 lbs (10.4 kg)







Design Select options indicated by this color background.

Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications, with typical energy savings of 70% and expected service life of over 100,000 hours.

design select

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

Ordering Information

EXAMPLE: DSX0 LED P6 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX0 LED

Series
DSX0 LED

LEDs
Forward optics

P1	P5
P2	P6
P3	P7
P4	

Rotated optics

P10 [1]	P12 [1]
P11 [1]	P13 [1]

Color temperature [2]

		Color Rendering Index [2]
(this section 70CRI only)		
30K	3000K	70CRI
40K	4000K	70CRI
50K	5000K	70CRI
(this section 80CRI only, extended lead times apply)		
27K	2700K	80CRI
30K	3000K	80CRI
35K	3500K	80CRI
40K	4000K	80CRI
50K	5000K	80CRI

Distribution

AFR	Automotive front row
T1S	Type I short
T2M	Type II medium
T3M	Type III medium
T3LG	Type III low glare [3]
T4M	Type IV medium
T4LG	Type IV low glare [3]
TFTM	Forward throw medium
T5M	Type V medium
T5LG	Type V low glare
T5W	Type V wide
BLC3	Type III backlight control [3]
BLC4	Type IV backlight control [3]
LCCO	Left corner cutoff [3]
RCCO	Right corner cutoff [3]

Voltage

MVOLT	(120V-277V) [4]
HVOLT	(347V-480V) [5,6]
XVOLT	(277V-480V) [7,8]
120	[16, 24]
208	[16, 24]
240	[16, 24]
277	[16, 24]
347	[16, 24]
480	[16, 24]

Mounting
Shipped included

SPA	Square pole mounting (#8 drilling, 3.5" min. SQ pole)
RPA	Round pole mounting (#8 drilling, 3" min. RND pole)
SPA5	Square pole mounting (#5 drilling. 3" min. SQ pole) [9]
RPA5	Round pole mounting (#5 drilling, 3" min. RND pole) [9]
SPA8N	Square narrow pole mounting (#8 drilling, 3" min. SQ pole)
WBA	Wall bracket [10]
MA	Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)

Control options
Shipped installed

NLTAIR2 PIRHN	nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. [11, 12, 18, 19]
PIR	High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc [13, 18, 19]
PER	NEMA twist-lock receptacle only (controls ordered separate) [14]
PER5	Five-pin receptacle only (controls ordered separate) [14, 19]
PER7	Seven-pin receptacle only (controls ordered separate) [14, 19]
FAO	Field adjustable output [15, 19]
BL30	Bi-level switched dimming, 30% [16, 19]
BL50	Bi-level switched dimming, 50% [16, 19]
DMG	0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) [17]

Other options
Shipped installed

HS	Houseside shield (black finish standard) [20]
L90	Left rotated optics [1]
R90	Right rotated optics [1]
CCE	Coastal Construction [21]
HA	50°C ambient operation [22]
BAA	Buy America(n) Act and/or Build America Buy America Qualified
SF	Single fuse (120, 277, 347V) [24]
DF	Double fuse (208, 240, 480V) [24]

Shipped separately

EGSR	External Glare Shield (reversible, field install required, matches housing finish)
BSDB	Bird Spikes (field install required)

Finish *(required)*

DDBXD	Dark Bronze
DBLXD	Black
DNAXD	Natural Aluminum
DWHXD	White
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white

Ordering Information

Accessories

Ordered and shipped separately.

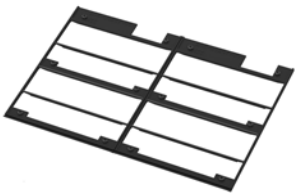
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [23]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [23]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [23]
DSHORT SBK	Shorting cap [23]
DSX0HS P#	House-side shield (enter package number P1-7, P10-13 in place of #)
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSXRPA5 (FINISH)	Round pole adapter #5 drilling (specify finish)
DSXSPA5 (FINISH)	Square pole adapter #5 drilling (specify finish)
DSX0EGSR (FINISH)	External glare shield (specify finish)
DSX0BSDB (FINISH)	Bird spike deterrent bracket (specify finish)

NOTES

1 Rotated optics available with packages P10, P11, P12 and P13. Must be combined with option L90 or R90.
2 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
3 T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
4 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
5 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
6 HVOLT not available with package P1, P2 and P10 when combined with option NLTAIR2 PIRHN or option PIR.
7 XVOLT operates with any voltage between 277V and 480V (50/60 Hz).
8 XVOLT not available in packages P1, P2 or P10. XVOLT not available with fusing (SF or DF).
9 SPA5 and RPA5 for use with #5 drilling only (Not for use with #8 drilling).
10 WBA cannot be combined with Type 5 distributions plus photocell (PER).
11 NLTAIR2 and PIRHN must be ordered together. For more information on nLight Air 2.
12 NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50 and DMG. NLTAIR2 PIRHN not available with P1, P2 and P10 using HVOLT. NLTAIR2 PIRHN not available with P1, P2 and P10 using XVOLT. NLTAIR2 PIRHN not available with P1 using MVOLT.
13 PIR not available with NLTAIR2, PER, PER5, PER7, FAO BL30, BL50 and DMG. PIR not available with P1, P2 and P10 using HVOLT. PIR not available with P1, P2 and P10 using XVOLT. PIR not available with P1 using MVOLT.
14 PER/PER5/PER7 not available with NLTAIR2, PIR, BL30, BL50. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
15 FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, or DMG.
16 BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO and DMG. BL30 or BL50 must specify 120, 277 or 347V. Consult tech support for 208, 240 or 480V.
17 DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50 and FAO.
18 Reference Motion Sensor Default Settings table on page 4 to see functionality.
19 Reference Controls Options table on page 4.
20 Option HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
21 CCE option not available with option BS and EGSR. Contact Technical Support for availability.
22 Option HA not available with performance packages P6, P7, P12 and P13.
23 Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.
24 Single fuse (SF) requires 120V, 277V, or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).

Shield Accessories

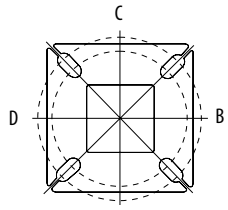
External Glare Shield (EGSR)



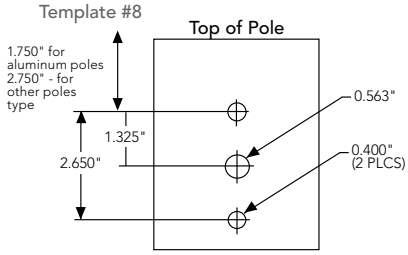
House Side Shield (HS)

Drilling

HANDHOLE ORIENTATION
(from top of pole)



Template #8



Tenon Mounting Slipfitter

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

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
		Minimum Acceptable Outside Pole Dimension					
SPA	#8	3.5"	3.5"	3.5"	3.5"		3.5"
RPA	#8	3"	3"	3"	3"	3"	3"
SPA5	#5	3"	3"	3"	3"		3"
RPA5	#5	3"	3"	3"	3"	3"	3"
SPA8N	#8	3"	3"	3"	3"		3"

DSX0 Area Luminaire - EPA

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

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX0 with SPA	0.44	0.88	0.96	1.18	---	1.16
DSX0 with SPA5, SPA8N	0.51	1.02	1.06	1.26	---	1.29
DSX0 with RPA, RPA5	0.51	1.02	1.06	1.26	1.24	1.29
DSX0 with MA	0.64	1.28	1.24	1.67	1.70	1.93

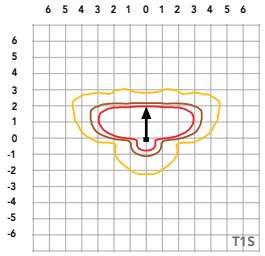
Photometric Diagrams

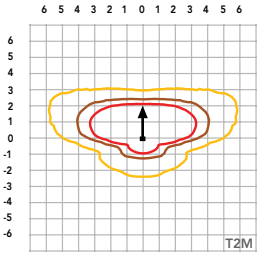
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's homepage.

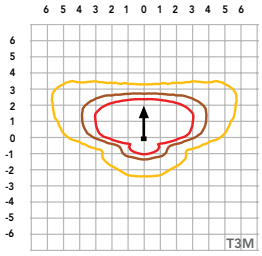
Isofootcandle plots for the DSX0 LED P7 40K 70CRI. Distances are in units of mounting height (20').

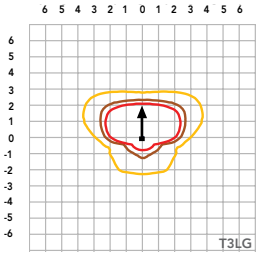
LEGEND

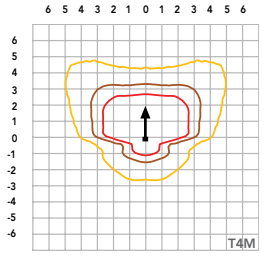
- 0.1 fc
- 0.5 fc
- 1.0 fc

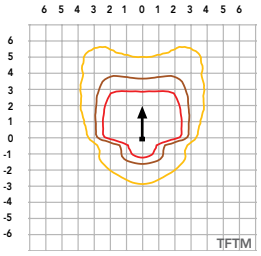


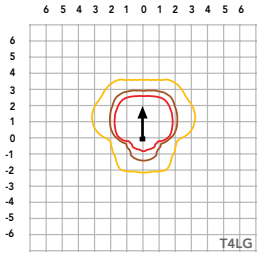


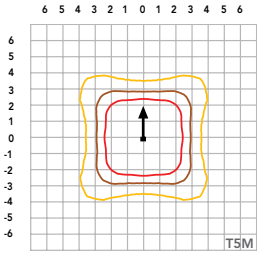


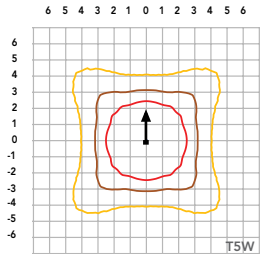


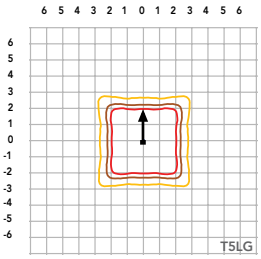


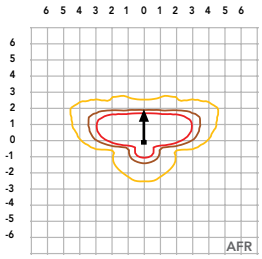


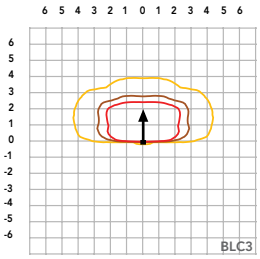


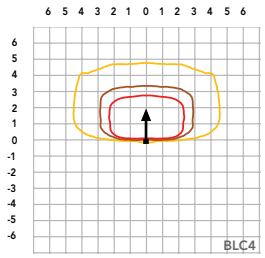


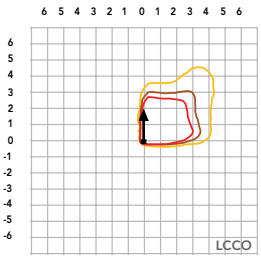


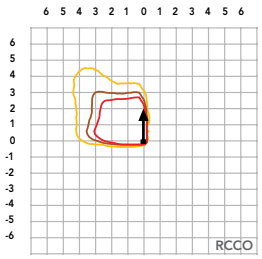












Lumen Ambient Temperature (LAT) Multipliers

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

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

Projected LED Lumen Maintenance

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

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

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.94
50,000	0.89
100,000	0.80

FAO Dimming Settings

FAO Position	% Wattage	% Lumen Output
8	100%	100%
7	93%	95%
6	80%	85%
5	66%	73%
4	54%	61%
3	41%	49%
2	29%	36%
1	15%	20%

*Note: Calculated values are based on original performance package data. When calculating new values for given FAO position, use published values for each package based on input watts and lumens by optic type.

Electrical Load

					Current (A)					
	Performance Package	LED Count	Drive Current (mA)	Wattage	120V	208V	240V	277V	347V	480V
Forward Optics (Non-Rotated)	P1	20	530	34	0.28	0.16	0.14	0.12	0.10	0.07
	P2	20	700	45	0.38	0.22	0.19	0.16	0.13	0.09
	P3	20	1050	69	0.57	0.33	0.29	0.25	0.20	0.14
	P4	20	1400	94	0.78	0.45	0.39	0.34	0.27	0.19
	P5	40	700	89	0.75	0.43	0.38	0.33	0.26	0.19
	P6	40	1050	136	1.14	0.66	0.57	0.49	0.39	0.29
	P7	40	1300	170	1.42	0.82	0.71	0.62	0.49	0.36
Rotated Optics (Requires L90 or R90)	P10	30	530	51	0.42	0.24	0.21	0.18	0.15	0.11
	P11	30	700	67	0.57	0.33	0.28	0.25	0.20	0.14
	P12	30	1050	103	0.86	0.50	0.43	0.37	0.30	0.22
	P13	30	1300	129	1.07	0.62	0.54	0.46	0.37	0.27

LED Color Temperature / Color Rendering Multipliers

	70 CRI		80CRI		90CRI	
	Lumen Multiplier	Availability	Lumen Multiplier	Availability	Lumen Multiplier	Availability
5000K	102%	Standard	92%	Extended lead-time	71%	(see note)
4000K	100%	Standard	92%	Extended lead-time	67%	(see note)
3500K	100%	(see note)	90%	Extended lead-time	63%	(see note)
3000K	96%	Standard	87%	Extended lead-time	61%	(see note)
2700K	94%	(see note)	85%	Extended lead-time	57%	(see note)

Note: Some LED types are available as per special request. Contact Technical Support for more information.

Motion Sensor Default Settings

Option	Unoccupied Dimmed Level	High Level (when occupied)	Photocell Operation	Dwell Time	Ramp-up Time	Dimming Fade Rate
PIR	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min
NLTAIR2 PIRHN	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS (not available on DSX0)	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PER5 or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire. Cannot be used with other controls options that need the 0-10V leads.
PIR	Motion sensor with integral photocell. Sensor suitable for 8' to 40' mounting height.	Luminaires dim when no occupancy is detected.	Acuity Controls rSBG	Cannot be used with other controls options that need the 0-10V leads.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclypse.	nLight Air rSBG	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app. Cannot be used with other controls options that need the 0-10V leads.
BL30 or BL50	Integrated bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output	BLC device provides input to 0-10V dimming leads on all drivers providing either 100% or dimmed (30% or 50%) control by a secondary circuit	BLC UVOLT1	BLC device is powered off the 0-10V dimming leads, thus can be used with any input voltage from 120 to 480V

Performance Data

Lumen Output

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

Forward Optics

Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	33W	20	530	T1S	4,906	1	0	1	148	5,113	1	0	1	154	5,213	1	0	1	157
				T2M	4,545	1	0	2	137	4,736	1	0	2	143	4,829	1	0	2	145
				T3M	4,597	1	0	2	138	4,791	1	0	2	144	4,885	1	0	2	147
				T3LG	4,107	1	0	1	124	4,280	1	0	1	129	4,363	1	0	1	131
				T4M	4,666	1	0	2	141	4,863	1	0	2	146	4,957	1	0	2	149
				T4LG	4,244	1	0	1	128	4,423	1	0	1	133	4,509	1	0	1	136
				TFTM	4,698	1	0	2	141	4,896	1	0	2	147	4,992	1	0	2	150
				T5M	4,801	3	0	1	145	5,003	3	0	1	151	5,101	3	0	1	154
				T5W	4,878	3	0	1	147	5,084	3	0	2	153	5,183	3	0	2	156
				T5LG	4,814	2	0	1	145	5,018	2	0	1	151	5,115	2	0	1	154
				BLC3	3,344	0	0	1	101	3,485	0	0	1	105	3,553	0	0	1	107
				BLC4	3,454	0	0	2	104	3,599	0	0	2	108	3,670	0	0	2	111
				RCCO	3,374	0	0	1	102	3,517	0	0	1	106	3,585	0	0	1	108
				LCCO	3,374	0	0	1	102	3,517	0	0	1	106	3,585	0	0	1	108
				AFR	4,906	1	0	1	148	5,113	1	0	1	154	5,213	1	0	1	157
P2	45W	20	700	T1S	6,328	1	0	1	140	6,595	1	0	1	146	6,724	1	0	1	149
				T2M	5,862	1	0	2	130	6,109	1	0	2	135	6,228	1	0	2	138
				T3M	5,930	1	0	3	131	6,180	1	0	3	137	6,301	1	0	3	140
				T3LG	5,297	1	0	1	117	5,521	1	0	1	122	5,628	1	0	1	125
				T4M	6,018	1	0	3	133	6,272	1	0	3	139	6,395	1	0	3	142
				T4LG	5,474	1	0	1	121	5,705	1	0	1	126	5,816	1	0	1	129
				TFTM	6,060	1	0	3	134	6,316	1	0	3	140	6,439	1	0	3	143
				T5M	6,192	3	0	1	137	6,453	3	0	2	143	6,579	3	0	2	146
				T5W	6,293	3	0	2	139	6,558	3	0	2	145	6,686	3	0	2	148
				T5LG	6,210	2	0	1	138	6,472	3	0	1	143	6,598	3	0	1	146
				BLC3	4,313	0	0	2	96	4,495	0	0	2	100	4,583	0	0	2	102
				BLC4	4,455	0	0	2	99	4,643	0	0	2	103	4,733	0	0	2	105
				RCCO	4,352	0	0	2	96	4,536	0	0	2	100	4,624	0	0	2	102
				LCCO	4,352	0	0	2	96	4,536	0	0	2	100	4,624	0	0	2	102
				AFR	6,328	1	0	1	140	6,595	1	0	1	146	6,724	1	0	1	149
P3	69W	20	1050	T1S	9,006	1	0	2	131	9,386	1	0	2	136	9,569	1	0	2	139
				T2M	8,343	2	0	3	121	8,694	2	0	3	126	8,864	2	0	3	129
				T3M	8,439	2	0	3	122	8,795	2	0	3	128	8,967	2	0	3	130
				T3LG	7,539	1	0	2	109	7,857	1	0	2	114	8,010	1	0	2	116
				T4M	8,565	2	0	3	124	8,926	2	0	3	129	9,100	2	0	3	132
				T4LG	7,790	1	0	2	113	8,119	1	0	2	118	8,277	1	0	2	120
				TFTM	8,624	1	0	3	125	8,988	1	0	3	130	9,163	2	0	3	133
				T5M	8,812	3	0	2	128	9,184	4	0	2	133	9,363	4	0	2	136
				T5W	8,955	4	0	2	130	9,333	4	0	2	135	9,515	4	0	2	138
				T5LG	8,838	3	0	1	128	9,211	3	0	1	134	9,390	3	0	1	136
				BLC3	6,139	0	0	2	89	6,398	0	0	2	93	6,522	0	0	2	95
				BLC4	6,340	0	0	3	92	6,607	0	0	3	96	6,736	0	0	3	98
				RCCO	6,194	1	0	2	90	6,455	1	0	2	94	6,581	1	0	2	95
				LCCO	6,194	1	0	2	90	6,455	1	0	2	94	6,581	1	0	2	95
				AFR	9,006	1	0	2	131	9,386	1	0	2	136	9,569	1	0	2	139
P4	93W	20	1400	T1S	11,396	1	0	2	122	11,877	1	0	2	128	12,109	2	0	2	130
				T2M	10,557	2	0	3	113	11,003	2	0	3	118	11,217	2	0	3	121
				T3M	10,680	2	0	3	115	11,130	2	0	3	120	11,347	2	0	3	122
				T3LG	9,540	1	0	2	103	9,942	1	0	2	107	10,136	1	0	2	109
				T4M	10,839	2	0	3	117	11,296	2	0	3	121	11,516	2	0	4	124
				T4LG	9,858	1	0	2	106	10,274	1	0	2	110	10,474	1	0	2	113
				TFTM	10,914	2	0	3	117	11,374	2	0	3	122	11,596	2	0	3	125
				T5M	11,152	4	0	2	120	11,622	4	0	2	125	11,849	4	0	2	127
				T5W	11,332	4	0	3	122	11,811	4	0	3	127	12,041	4	0	3	129
				T5LG	11,184	3	0	1	120	11,656	3	0	2	125	11,883	3	0	2	128
				BLC3	7,768	0	0	2	83	8,096	0	0	2	87	8,254	0	0	2	89
				BLC4	8,023	0	0	3	86	8,362	0	0	3	90	8,524	0	0	3	92
				RCCO	7,838	1	0	2	84	8,169	1	0	2	88	8,328	1	0	2	90
				LCCO	7,838	1	0	2	84	8,169	1	0	2	88	8,328	1	0	2	90
				AFR	11,396	1	0	2	122	11,877	1	0	2	128	12,109	2	0	2	130

Performance Data

Lumen Output

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

Forward Optics

Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P5	90W	40	700	T1S	12,380	2	0	2	137	12,902	2	0	2	143	13,154	2	0	2	146
				T2M	11,468	2	0	3	127	11,952	2	0	3	133	12,185	2	0	3	135
				T3M	11,601	2	0	3	129	12,091	2	0	3	134	12,326	2	0	4	137
				T3LG	10,363	2	0	2	115	10,800	2	0	2	120	11,011	2	0	2	122
				T4M	11,774	2	0	4	131	12,271	2	0	4	136	12,510	2	0	4	139
				T4LG	10,709	1	0	2	119	11,160	2	0	2	124	11,378	2	0	2	126
				TFTM	11,856	2	0	3	132	12,356	2	0	4	137	12,596	2	0	4	140
				T5M	12,114	4	0	2	134	12,625	4	0	2	140	12,871	4	0	2	143
				T5W	12,310	4	0	3	137	12,830	4	0	3	142	13,080	4	0	3	145
				T5LG	12,149	3	0	2	135	12,662	3	0	2	141	12,908	3	0	2	143
				BLC3	8,438	0	0	2	94	8,794	0	0	2	98	8,966	0	0	2	99
				BLC4	8,715	0	0	3	97	9,083	0	0	3	101	9,260	0	0	3	103
				RCCO	8,515	1	0	2	94	8,874	1	0	2	98	9,047	1	0	2	100
				LCCO	8,515	1	0	2	94	8,874	1	0	2	98	9,047	1	0	2	100
				AFR	12,380	2	0	2	137	12,902	2	0	2	143	13,154	2	0	2	146
P6	137W	40	1050	T1S	17,545	2	0	3	128	18,285	2	0	3	133	18,642	2	0	3	136
				T2M	16,253	3	0	4	119	16,939	3	0	4	124	17,269	3	0	4	126
				T3M	16,442	2	0	4	120	17,135	3	0	4	125	17,469	3	0	4	128
				T3LG	14,687	2	0	2	107	15,306	2	0	2	112	15,605	2	0	2	114
				T4M	16,687	2	0	4	122	17,391	3	0	5	127	17,730	3	0	5	129
				T4LG	15,177	2	0	2	111	15,817	2	0	2	115	16,125	2	0	2	118
				TFTM	16,802	2	0	4	123	17,511	2	0	4	128	17,852	2	0	5	130
				T5M	17,168	4	0	2	125	17,893	5	0	3	131	18,241	5	0	3	133
				T5W	17,447	5	0	3	127	18,183	5	0	3	133	18,537	5	0	3	135
				T5LG	17,218	4	0	2	126	17,944	4	0	2	131	18,294	4	0	2	134
				BLC3	11,959	0	0	3	87	12,464	0	0	3	91	12,707	0	0	3	93
				BLC4	12,352	0	0	4	90	12,873	0	0	4	94	13,124	0	0	4	96
				RCCO	12,067	1	0	3	88	12,576	1	0	3	92	12,821	1	0	3	94
				LCCO	12,067	1	0	3	88	12,576	1	0	3	92	12,821	1	0	3	94
				AFR	17,545	2	0	3	128	18,285	2	0	3	133	18,642	2	0	3	136
P7	171W	40	1300	T1S	20,806	2	0	3	122	21,683	2	0	3	127	22,106	2	0	3	129
				T2M	19,273	3	0	4	113	20,086	3	0	4	118	20,478	3	0	4	120
				T3M	19,497	3	0	5	114	20,319	3	0	5	119	20,715	3	0	5	121
				T3LG	17,416	2	0	2	102	18,151	2	0	2	106	18,504	2	0	2	108
				T4M	19,787	3	0	5	116	20,622	3	0	5	121	21,024	3	0	5	123
				T4LG	17,997	2	0	2	105	18,756	2	0	2	110	19,121	2	0	2	112
				TFTM	19,924	3	0	5	117	20,765	3	0	5	122	21,170	3	0	5	124
				T5M	20,359	5	0	3	119	21,217	5	0	3	124	21,631	5	0	3	127
				T5W	20,689	5	0	3	121	21,561	5	0	3	126	21,982	5	0	3	129
				T5LG	20,418	4	0	2	120	21,279	4	0	2	125	21,694	4	0	2	127
				BLC3	14,182	0	0	3	83	14,780	0	0	3	87	15,068	0	0	3	88
				BLC4	14,647	0	0	4	86	15,265	0	0	4	89	15,562	0	0	4	91
				RCCO	14,309	1	0	3	84	14,913	1	0	3	87	15,204	1	0	3	89
				LCCO	14,309	1	0	3	84	14,913	1	0	3	87	15,204	1	0	3	89
				AFR	20,806	2	0	3	122	21,683	2	0	3	127	22,106	2	0	3	129

Performance Data

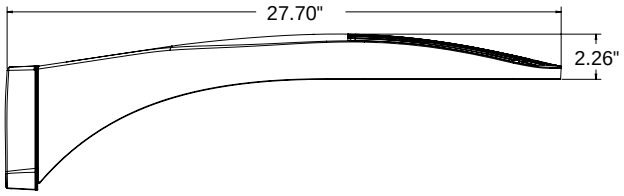
Lumen Output

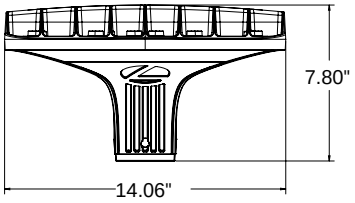
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Rotated Optics

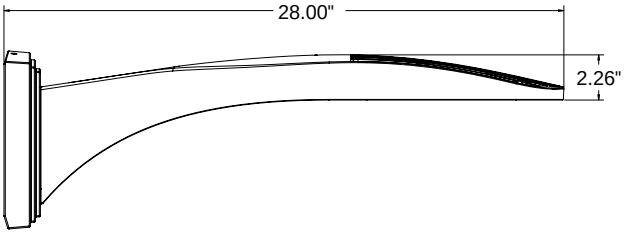
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P10	51W	30	530	T1S	7,399	3	0	3	145	7,711	3	0	3	151	7,862	3	0	3	154
				T2M	6,854	3	0	3	135	7,144	3	0	3	140	7,283	3	0	3	143
				T3M	6,933	3	0	3	136	7,225	3	0	3	142	7,366	3	0	3	145
				T3LG	6,194	2	0	2	122	6,455	2	0	2	127	6,581	2	0	2	129
				T4M	7,036	3	0	3	138	7,333	3	0	3	144	7,476	3	0	3	147
				T4LG	6,399	2	0	2	126	6,669	2	0	2	131	6,799	2	0	2	134
				TFTM	7,086	3	0	3	139	7,385	3	0	3	145	7,529	3	0	3	148
				T5M	7,239	3	0	2	142	7,545	3	0	2	148	7,692	3	0	2	151
				T5W	7,357	3	0	2	145	7,667	3	0	2	151	7,816	4	0	2	154
				T5LG	7,260	3	0	1	143	7,567	3	0	1	149	7,714	3	0	1	152
				BLC3	5,043	3	0	3	99	5,256	3	0	3	103	5,358	3	0	3	105
				BLC4	5,208	3	0	3	102	5,428	3	0	3	107	5,534	3	0	3	109
				RCCO	5,089	0	0	2	100	5,303	0	0	2	104	5,407	0	0	2	106
				LCCO	5,089	0	0	2	100	5,303	0	0	2	104	5,407	0	0	2	106
				AFR	7,399	3	0	3	145	7,711	3	0	3	151	7,862	3	0	3	154
P11	68W	30	700	T1S	9,358	3	0	3	138	9,753	3	0	3	143	9,943	3	0	3	146
				T2M	8,669	3	0	3	127	9,034	3	0	3	133	9,211	3	0	3	135
				T3M	8,768	3	0	3	129	9,138	3	0	3	134	9,316	3	0	3	137
				T3LG	7,833	3	0	3	115	8,164	3	0	3	120	8,323	3	0	3	122
				T4M	8,899	3	0	3	131	9,274	3	0	3	136	9,455	3	0	3	139
				T4LG	8,093	3	0	3	119	8,435	3	0	3	124	8,599	3	0	3	126
				TFTM	8,962	3	0	3	132	9,340	3	0	3	137	9,522	3	0	3	140
				T5M	9,156	4	0	2	135	9,542	4	0	2	140	9,728	4	0	2	143
				T5W	9,304	4	0	2	137	9,696	4	0	2	143	9,885	4	0	2	145
				T5LG	9,182	3	0	1	135	9,569	3	0	1	141	9,756	3	0	1	143
				BLC3	6,378	3	0	3	94	6,647	3	0	3	98	6,777	3	0	3	100
				BLC4	6,587	3	0	3	97	6,865	3	0	3	101	6,999	3	0	3	103
				RCCO	6,436	0	0	2	95	6,707	0	0	2	99	6,838	0	0	2	101
				LCCO	6,436	0	0	2	95	6,707	0	0	2	99	6,838	0	0	2	101
				AFR	9,358	3	0	3	138	9,753	3	0	3	143	9,943	3	0	3	146
P12	103W	30	1050	T1S	13,247	3	0	3	128	13,806	3	0	3	134	14,075	3	0	3	136
				T2M	12,271	4	0	4	119	12,789	4	0	4	124	13,038	4	0	4	126
				T3M	12,412	4	0	4	120	12,935	4	0	4	125	13,187	4	0	4	128
				T3LG	11,089	3	0	3	107	11,556	3	0	3	112	11,782	3	0	3	114
				T4M	12,597	4	0	4	122	13,128	4	0	4	127	13,384	4	0	4	129
				T4LG	11,457	3	0	3	111	11,940	3	0	3	116	12,173	3	0	3	118
				TFTM	12,686	4	0	4	123	13,221	4	0	4	128	13,479	4	0	4	130
				T5M	12,960	4	0	2	125	13,507	4	0	2	131	13,770	4	0	2	133
				T5W	13,170	4	0	3	127	13,726	4	0	3	133	13,994	4	0	3	135
				T5LG	12,998	3	0	2	126	13,546	3	0	2	131	13,810	3	0	2	134
				BLC3	9,029	3	0	3	87	9,409	3	0	3	91	9,593	3	0	3	93
				BLC4	9,324	4	0	4	90	9,718	4	0	4	94	9,907	4	0	4	96
				RCCO	9,110	1	0	2	88	9,495	1	0	2	92	9,680	1	0	2	94
				LCCO	9,110	1	0	2	88	9,494	1	0	2	92	9,680	1	0	2	94
				AFR	13,247	3	0	3	128	13,806	3	0	3	134	14,075	3	0	3	136
P13	129W	30	1300	T1S	15,704	3	0	3	122	16,366	3	0	3	127	16,685	4	0	4	130
				T2M	14,547	4	0	4	113	15,161	4	0	4	118	15,457	4	0	4	120
				T3M	14,714	4	0	4	114	15,335	4	0	4	119	15,634	4	0	4	121
				T3LG	13,145	3	0	3	102	13,700	3	0	3	106	13,967	3	0	3	108
				T4M	14,933	4	0	4	116	15,563	4	0	4	121	15,867	4	0	4	123
				T4LG	13,582	3	0	3	105	14,155	3	0	3	110	14,431	3	0	3	112
				TFTM	15,039	4	0	4	117	15,673	4	0	4	122	15,979	4	0	4	124
				T5M	15,364	4	0	2	119	16,013	4	0	2	124	16,325	4	0	2	127
				T5W	15,613	5	0	3	121	16,272	5	0	3	126	16,589	5	0	3	129
				T5LG	15,409	3	0	2	120	16,059	3	0	2	125	16,372	4	0	2	127
				BLC3	10,703	4	0	4	83	11,155	4	0	4	87	11,372	4	0	4	88
				BLC4	11,054	4	0	4	86	11,520	4	0	4	89	11,745	4	0	4	91
				RCCO	10,800	1	0	2	84	11,256	1	0	2	87	11,475	1	0	3	89
				LCCO	10,800	1	0	2	84	11,255	1	0	2	87	11,475	1	0	3	89
				AFR	15,704	3	0	3	122	16,366	3	0	3	127	16,685	4	0	4	130

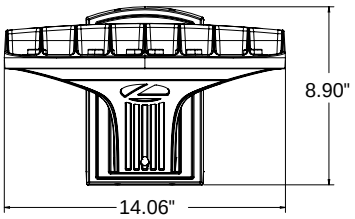
Dimensions



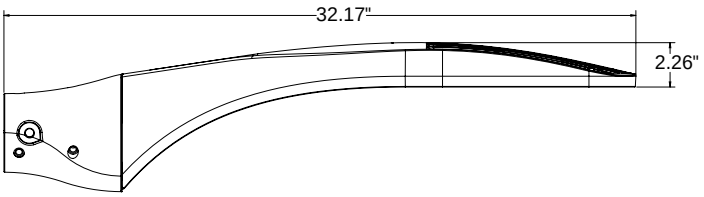


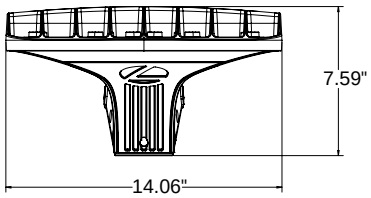
DSX0 with RPA, RPA5, SPA5, SPA8N mount
Weight: 25 lbs





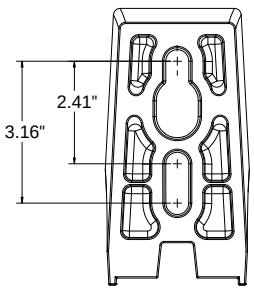
DSX0 with WBA mount
Weight: 27 lb



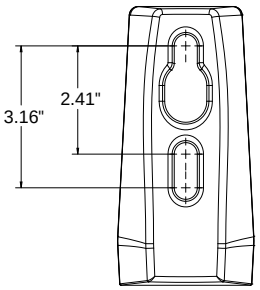


DSX0 with MA mount
Weight: 28 lbs

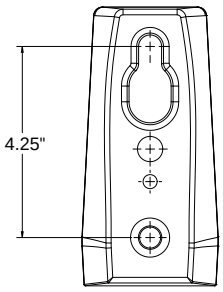
SPA (STANDARD ARM)



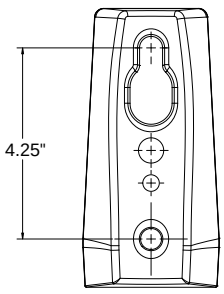
RPA



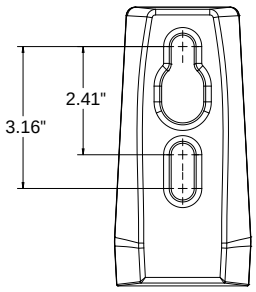
SPA5



RPA5



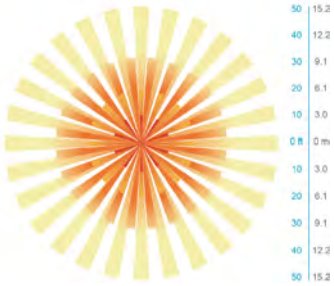
SPA8N



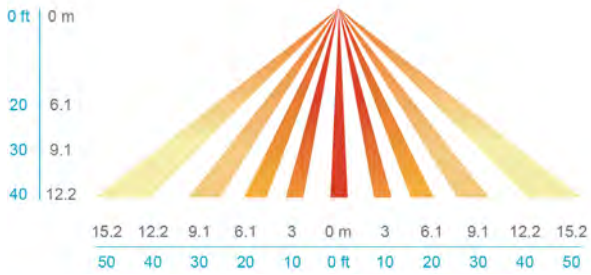
nLight Control - Sensor Coverage and Settings

nLight Sensor Coverage Pattern

NLTAIR2 PIRHN



Top



Side

FEATURES & SPECIFICATIONS

INTENDED USE

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

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing driver compartment is completely sealed against moisture and environmental contaminants (IP66). Vibration rated per ANSI C136.31 for 3G. Low EPA (0.44 ft²) for optimized pole wind loading.

FINISH

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

COASTAL CONSTRUCTION (CCE)

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

OPTICS

Precision-molded proprietary silicone lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K or 5000 K (70 CRI) configurations. 80CRI configurations are also available. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L80/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The DSX0 LED area luminaire has a number of control options. DSX Size 0, comes standard with 0-10V dimming driver. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. PIR integrated motion sensor with on-board photocell feature field-adjustable programing and are suitable for mounting heights up to 40 feet. Control option BL features a bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output.

nLIGHT AIR CONTROLS

The DSX0 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

INSTALLATION

Integral mounting arm allows for fast mounting using Lithonia standard #8 drilling and accommodates pole drilling's from 2.41 to 3.12" on center. The standard "SPA" option for square poles and the "RPA" option for round poles use the #8 drilling. For #5 pole drillings, use SPA5 or RPA5. Additional mountings are available including a wall bracket (WBA) and mast arm (MA) option that allows luminaire attachment to a 2 3/8" horizontal mast arm.

LISTINGS

UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP66 rated. Rated for -40°C minimum ambient.

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

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

GOVERNMENT PROCUREMENT

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

WARRANTY

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

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