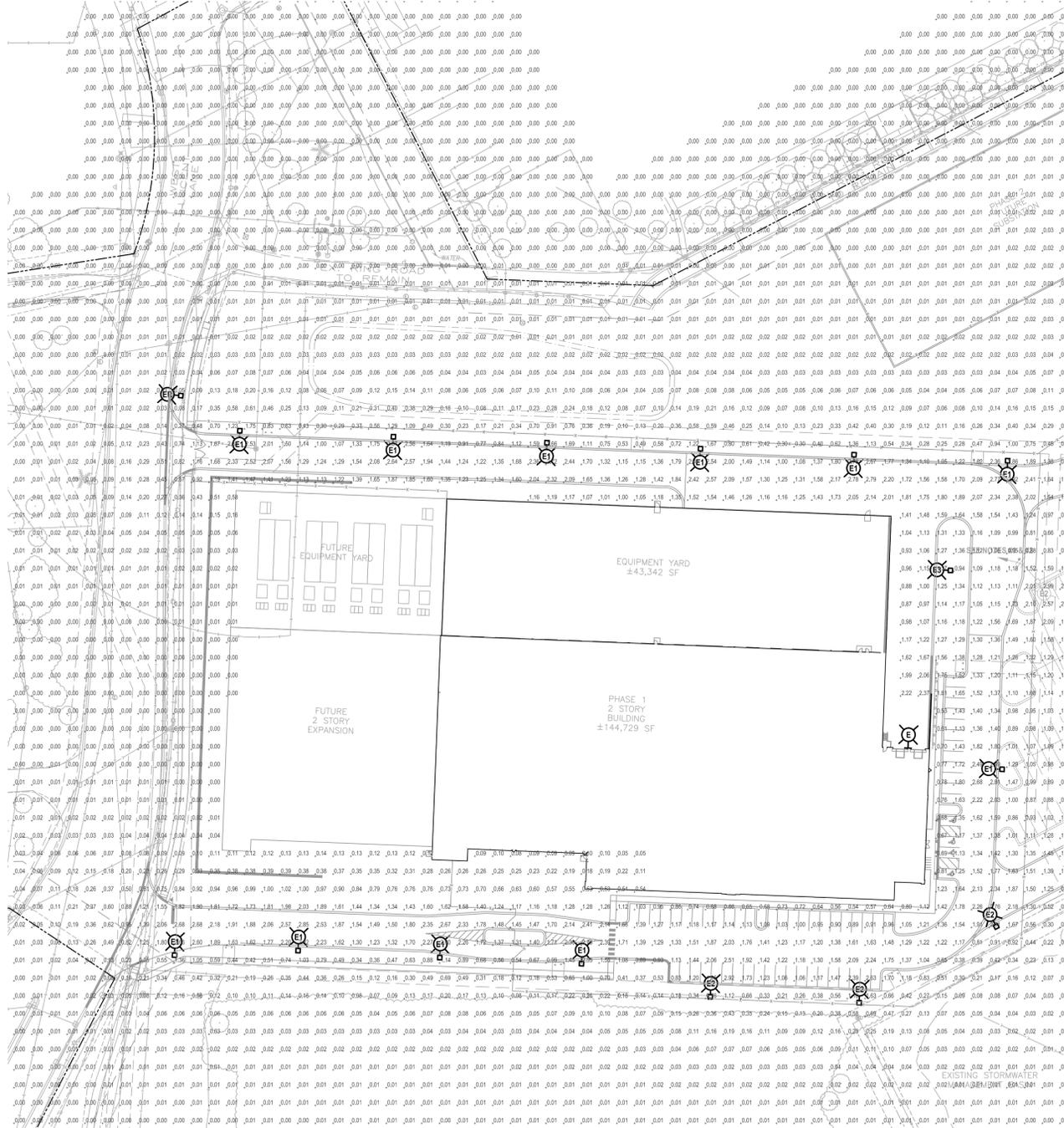


PARTIAL ELECTRICAL SITE PLAN
SCALE: 1"=60'-0"

- NOTES:**
1. EACH LIGHT FIXTURE TO HAVE MOTION SENSOR CONTROL. LIGHT FIXTURES TO DIM TO 33% AFTER 15 MINUTES OF NO MOTION DETECTED. ALL LIGHTS ON THAT CIRCUIT TO COME TO FULL BRIGHTNESS WHEN ONE MOTION SENSOR IS ACTIVATED ON THAT CIRCUIT.
 2. 2 #8 THWN & 1 #8 GND. IN 3/4" C. TO LIGHTING PANEL VIA PHOTOCELL-ON, TIMECLOCK-OFF.
 3. E.C. TO RECONNECT EXISTING LIGHTING LOOP AS SHOWN, MATCH EXISTING WIRING CURRENTLY FEEDING LIGHTING LOOP. SEE CIVIL PLANS FOR FURTHER INFORMATION.

<p>FINAL ELECTRICAL SITE PLAN</p> <p>1960 W LUCENT LANE NAPERVILLE, ILLINOIS</p> <p>KARIS CRITICAL</p>	
<p>JACOB & HEFNER ASSOCIATES 1333 Butterfield Rd, Suite 300, Downers Grove, IL 60515 PHONE: (630) 652-4600, FAX: (630) 652-4601 www.jacobandhefner.com</p>	
<p>KORNACKI & ASSOCIATES, INC. Electrical Design Consultants 262-784-3323 2645 S. Moorland Rd., New Berlin, WI 53151</p>	
<p>AS NOTED</p>	
<p>250570A</p>	
<p>E1</p>	
No.	Description
06/12/25	ISSUED FOR PERMIT
Date	

DAVID B. KORNACKI
 062.052986
David B. Kornacki
 Date: 06/12/25
 Lic. Exp.: 11/30/25



PARTIAL PHOTOMETRIC SITE PLAN
SCALE: 1"=60'-0"

**LIGHTING ANALYSIS NOTES:
(NAPERVILLE REQUIREMENTS)**

1. AVERAGE FOOTCANDLES: > 0.8
2. MAXIMUM FOOTCANDLES: NA
3. MINIMUM FOOTCANDLES: > 0.2
4. MAXIMUM/MINIMUM RATIO: NA
5. AVERAGE/MINIMUM RATIO: < 4:1

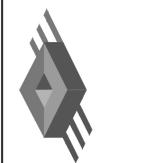
**LIGHTING ANALYSIS NOTES:
(PAVED AREAS ONLY)**

1. AVERAGE FOOTCANDLES: 1.65
2. MAXIMUM FOOTCANDLES: 3.56
3. MINIMUM FOOTCANDLES: 0.65
4. MAXIMUM/MINIMUM RATIO: 5.5:1
5. AVERAGE/MINIMUM RATIO: 2.5:1

No.	Description	Date
06/12/25	ISSUED FOR PERMIT	

FINAL PHOTOMETRIC SITE PLAN
1960 W LUCENT LANE
NAPERVILLE, ILLINOIS
KARIS CRITICAL

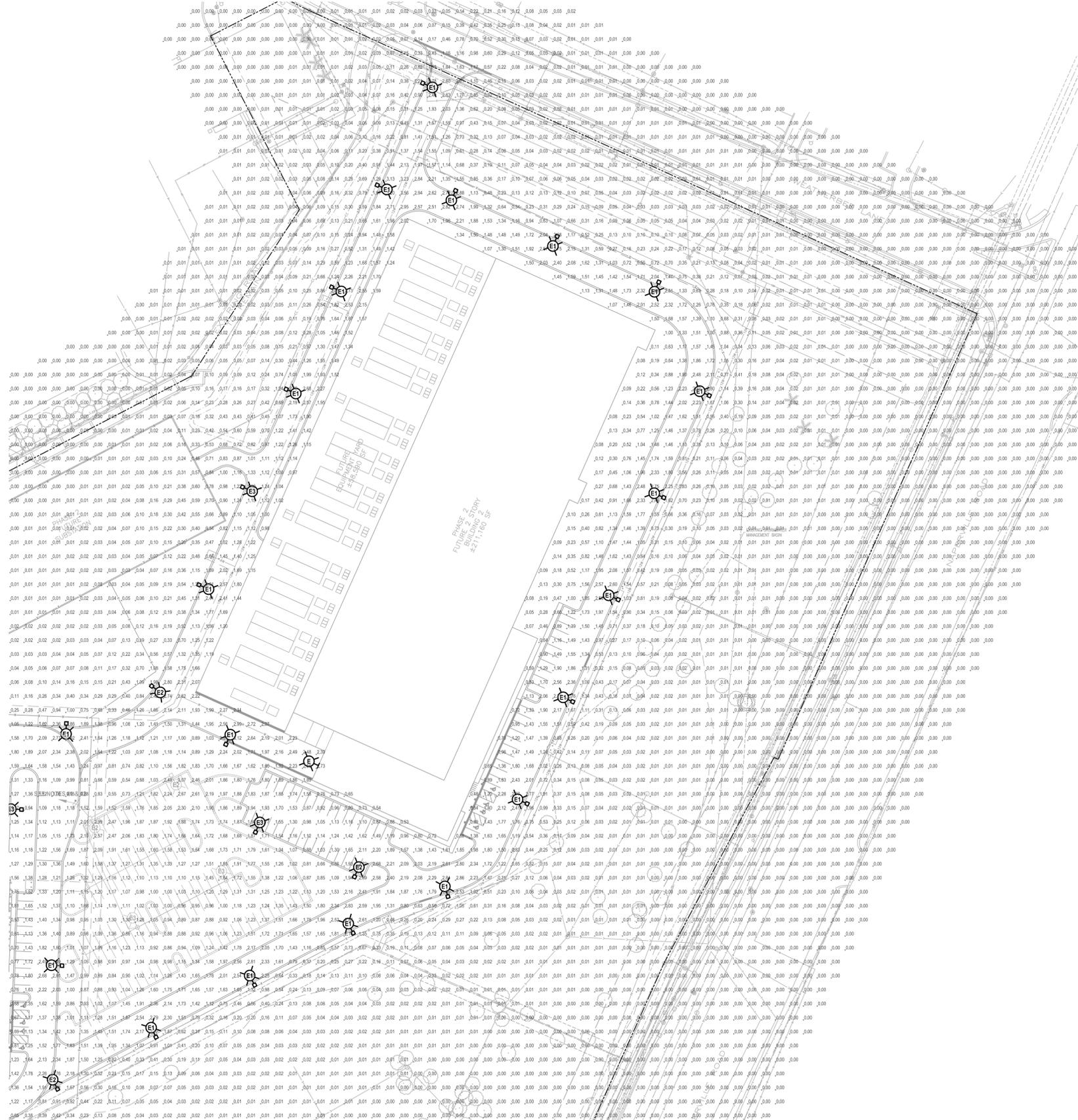
JACOB & HEFNER ASSOCIATES
1333 Butterfield Rd., Suite 300, Downers Grove, IL 60515
PHONE: (630) 652-4600, FAX: (630) 652-4601
www.jacobandhefner.com



Corporation Registration # 194 003374
KORNACKI & ASSOCIATES, INC.
Electrical Design Consultants
262-784-3323
2645 S. Moorland Rd., New Berlin, WI 53151

DAVID B. KORNACKI
062.052986
LICENSED PROFESSIONAL ENGINEER
STATE OF ILLINOIS
Date: 06/12/25
Lic. Exp.: 11/30/25

AS NOTED
250570A
E3



PARTIAL PHOTOMETRIC SITE PLAN
SCALE: 1"=60'-0"

**LIGHTING ANALYSIS NOTES:
(NAPERVILLE REQUIREMENTS)**

1. AVERAGE FOOTCANDLES: > 0.8
2. MAXIMUM FOOTCANDLES: NA
3. MINIMUM FOOTCANDLES: > 0.2
4. MAXIMUM/MINIMUM RATIO: NA
5. AVERAGE/MINIMUM RATIO: < 4:1

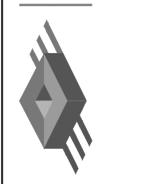
**LIGHTING ANALYSIS NOTES:
(PAVED AREAS ONLY)**

1. AVERAGE FOOTCANDLES: 1.65
2. MAXIMUM FOOTCANDLES: 3.56
3. MINIMUM FOOTCANDLES: 0.65
4. MAXIMUM/MINIMUM RATIO: 5.5:1
5. AVERAGE/MINIMUM RATIO: 2.5:1

No.	Description	Date
1	ISSUED FOR PERMIT	06/12/25

FINAL PHOTOMETRIC SITE PLAN
1960 W LUCENT LANE
NAPERVILLE, ILLINOIS
KARIS CRITICAL

JACOB & HEFNER ASSOCIATES
1333 Butterfield Rd., Suite 300, Downers Grove, IL 60515
PHONE: (630) 652-4600, FAX: (630) 652-4601
www.jacobandhefner.com

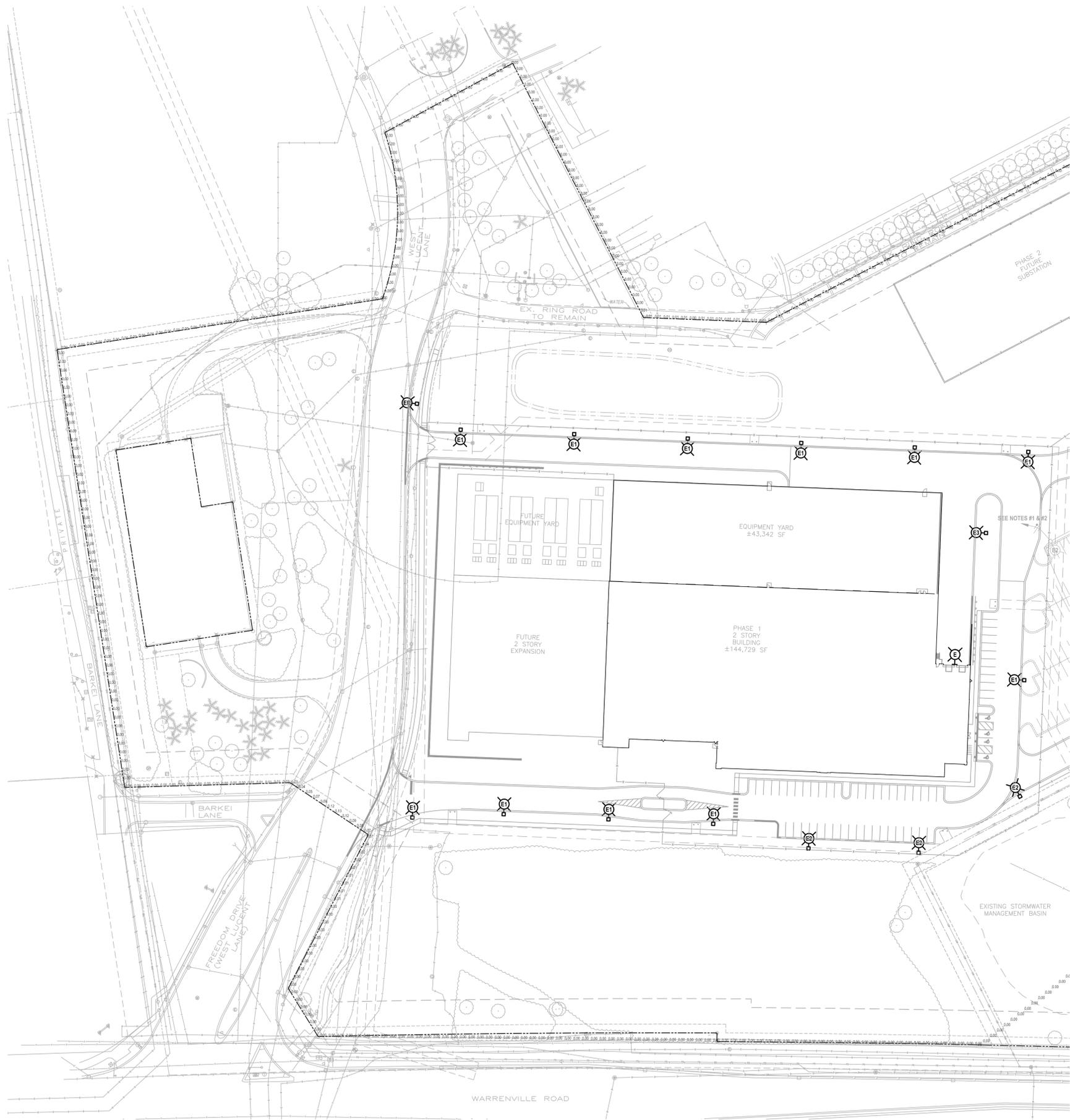


Corporation Registration # 194 005374
KORNACKI & ASSOCIATES, INC.
Electrical Design Consultants
262-784-3323
2645 S. Moorland Rd., New Berlin, WI 53151



David B. Kornacki
Date: 06/12/25
Lic. Exp.: 11/30/25

AS NOTED
250570A
E4



PARTIAL PROPERTY LINE PHOTOMETRIC SITE PLAN
SCALE: 1"=60'-0"

LIGHTING ANALYSIS NOTES:
(NAPERVILLE REQUIREMENTS)
1. MAXIMUM AT PROPERTY LINE TO BE LESS THAN 2.0 FOOTCANDLES.

LIGHTING ANALYSIS NOTES:
1. MAXIMUM AT PROPERTY LINE IS LESS THAN 0.5 FOOTCANDLES EXCEPT AT DRIVEWAY ENTRANCE IN NORTHEAST CORNER.

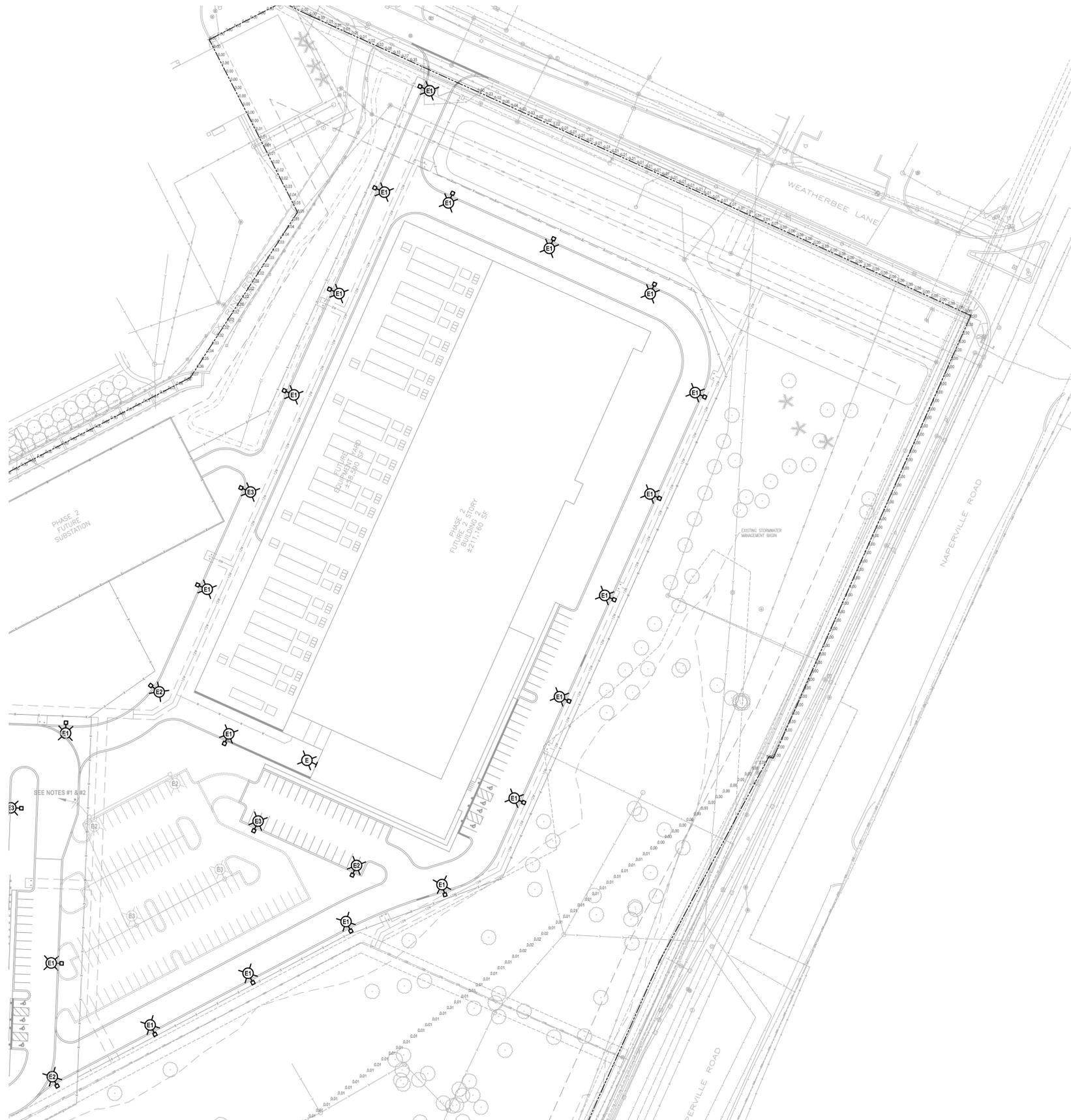


David B. Kornacki
Date: 06/12/25
Lic. Exp.: 11/30/25

<p>JACOB & HEFNER ASSOCIATES 1333 Butterfield Rd., Suite 300, Downers Grove, IL 60515 PHONE: (630) 652-4600, FAX: (630) 652-4601 www.jacobandhefner.com</p>	
<p>FINAL PROPERTY LINE PHOTOMETRIC SITE PLAN 1960 W LUCENT LANE NAPERVILLE, ILLINOIS KARIS CRITICAL</p>	
No.	Description
	ISSUED FOR PERMIT
	06/12/25
	Date
<p>AS NOTED 250570A E5</p>	

Corporation Registration # 194.003374

KORNACKI & ASSOCIATES, INC.
Electrical Design Consultants
262-784-3323
2645 S. Moorland Rd., New Berlin, WI 53151



PARTIAL PROPERTY LINE PHOTOMETRIC SITE PLAN
SCALE: 1"=60'-0"

LIGHTING ANALYSIS NOTES:
(NAPERVILLE REQUIREMENTS)
1. MAXIMUM AT PROPERTY LINE TO BE LESS THAN 2.0 FOOTCANDLES.

LIGHTING ANALYSIS NOTES:
1. MAXIMUM AT PROPERTY LINE IS LESS THAN 0.5 FOOTCANDLES EXCEPT AT DRIVEWAY ENTRANCE IN NORTHEAST CORNER.



David B. Kornacki
Date: 06/12/25
Lic. Exp.: 11/30/25

<p>JACOB & HEFNER ASSOCIATES 1333 Butterfield Rd., Suite 300, Downers Grove, IL 60515 PHONE: (630) 652-4600, FAX: (630) 652-4601 www.jacobandhefner.com</p>	
<p>FINAL PROPERTY LINE PHOTOMETRIC SITE PLAN 1960 W LUCENT LANE NAPERVILLE, ILLINOIS KARIS CRITICAL</p>	
No.	Description
	ISSUED FOR PERMIT
	06/12/25
	Date
<p>AS NOTED 250570A E6</p>	

Corporation Registration # ISL 003374

KORNACKI & ASSOCIATES, INC.
Electrical Design Consultants
262-784-3323
2845 S. Moorland Rd., New Berlin, WI 53151

FIXTURE SCHEDULE

250570A

TYPE	INPUT WATTS	VOLTS	LUMENS	COLOR TEMP	CRI			DESCRIPTION	MANUFACTURER	CATALOG NUMBER	BUG RATING	SHIELDING	FINISH	MOUNTING	CONTROLS		SEE NOTES
					70+	80+	90+								INTEGRAL	REMOTE	
E	124	277	14799	4000K	●			EXTERIOR WALL BRACKET	LITHONIA	DSX1 LED-P4-40K-70CRI-T4M-MVOLT-WBA-NLTAIR2 PIRHN	202	ACRYLIC	SBA	WALL 25" A.F.G.	OS	PHOTO ON TC OFF	#1
E1	124	277	16032	4000K	●			POLE & LUMINAIRE	LITHONIA	DSX1 LED-P4-40K-70CRI-T3M-MVOLT-SPA-NLTAIR2 PIRHN	204	ACRYLIC	SBA	SEE DETAIL 1/E7	OS	PHOTO ON TC OFF	#1
E2	124	277	14799	4000K	●			POLE & LUMINAIRE	LITHONIA	DSX1 LED-P4-40K-70CRI-T4M-MVOLT-SPA-NLTAIR2 PIRHN	202	ACRYLIC	SBA	SEE DETAIL 1/E7	OS	PHOTO ON TC OFF	#1
E3	124	277	17013	4000K	●			POLE & LUMINAIRE	LITHONIA	DSX1 LED-P4-40K-70CRI-T5M-MVOLT-SPA-NLTAIR2 PIRHN	503	ACRYLIC	SBA	SEE DETAIL 1/E7	OS	PHOTO ON TC OFF	#1

FIXTURE SCHEDULE NOTES:

- EACH LIGHT FIXTURE TO HAVE MOTION SENSOR CONTROL. LIGHT FIXTURES TO DIM TO 33% AFTER 15 MINUTES OF NO MOTION DETECTED. ALL LIGHTS ON THAT CIRCUIT TO COME TO FULL BRIGHTNESS WHEN ONE MOTION SENSOR IS ACTIVATED ON THAT CIRCUIT.

SYMBOLS / ABBREVIATIONS

	WALL BRACKET/WALL SCONCE FIXTURE - SEE FIXTURE SCHEDULE
	SURFACE/PENDANT FIXTURE - SEE FIXTURE SCHEDULE
	RECESSED DOWNLIGHT FIXTURE - SEE FIXTURE SCHEDULE
	POLE & LUMINAIRE(S) FIXTURE - SEE FIXTURE SCHEDULE
	SWITCHED CIRCUIT
	BRANCH CIRCUIT
	ABOVE FINISHED FLOOR
	ABOVE FINISHED GRADE
	ARC FAULT INTERRUPTER
	AMPERE/SIMPERAGE
	AUDIO VISUAL
	BATTERY BACKUP
	BELOW FINISHED CEILING
	BUILT-IN OVERLOAD BREAKER
	BAKED WHITE ENAMEL COLOR BY ARCHITECT CONTROL PANEL
	CIRCUIT CONTROL
	DOCK EQUIPMENT CONTROL PANEL DISCONNECT ELECTRICAL CONTRACTOR EMERGENCY
	EXISTING RELOCATED ELECTRONIC TIME CLOCK CONTROL EXISTING TO REMAIN EXISTING TO BE DEM'ED EXISTING TO BE RELOCATED

D-Series Size 1 LED Area Luminaire

Specifications

EPA: 0.69 ft² (0.06 m²)

Length: 32.71" (831 mm)

Width: 14.26" (362 mm)

Height H1: 7.88" (200 mm)

Height H2: 2.73" (69 mm)

Weight: 34 lbs (15.4 kg)

Introduction

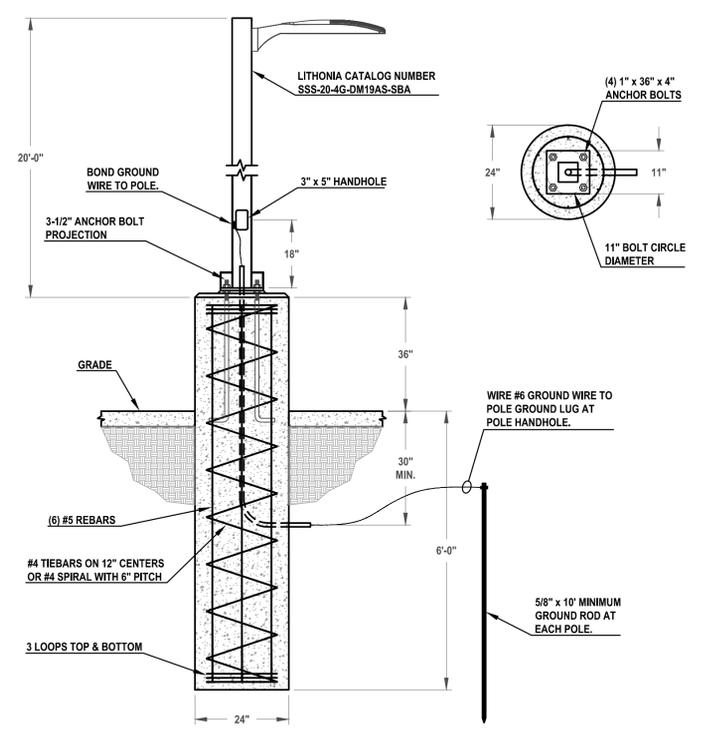
The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

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 65% and expected service life of over 100,000 hours.

Ordering Information EXAMPLE: DSX1 LED P7 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

Series	LEDs	Color Temperature*	Color Rendering Index	Distribution	Voltage	Mounting
DSX1 LED	P1 P6 P2 P7 P3 P8 P4 P9	30K 3000K 40K 4000K 50K 5000K	70CRI	T15 Type I short T2M Type II medium T3M Type III medium T4L Type IV low glare T4M Type IV medium T4G Type IV low glare T4M Type IV medium T4G Type IV low glare	120V-277V* 147V-480V** 277V-480V**	SPA Square pole mounting (#8 drilling) RPA Round pole mounting (#8 drilling) SPAS Square pole mounting #5 drilling* RPAS Round pole mounting #5 drilling* SPRNS Square narrow pole mounting #5 drilling

Control options	Other options	Finish /wash
Shipped installed NEAR2 PIRHN Light All gen 2 enabled with bi-level motion / ambient sensor 8-47" mounting height, ambient sensor enabled at 26" (6.1 m) BL50 High flow, motion/ambient sensor 8-47" mounting height, ambient sensor enabled at 26" (6.1 m) PER NEMA twist-lock receptacle only (controls ordered separately) PERS Five-pin receptacle only (controls ordered separately)	Shipped installed SPD20KV 20KV surge protection HS House-side shield (black finish standard) L90 Left rotated optics R90 Right rotated optics CCE Coastal Construction HA 50°C ambient operation BAA Bay America's Act and/or Build America Bay America Qualified SF Single fuse (20, 27, 347V) DF Double fuse (20, 240, 480V) EGR External Glass Shield (invertible, field install required, matches housing finish) BSDR Bird Spikes (field install required)	DDBR Dark Bronze DBLD Black DNAXD Natural Aluminum DWRD White DRBD Textured dark bronze DRBD Textured black DNAXD Textured natural aluminum DWRD Textured white



1 ELECTRICAL FIXTURE TYPES 'E1, E2, E3' MOUNTING DETAIL NOT TO SCALE

No.	Description	Date
06/12/25	ISSUED FOR PERMIT	

FINAL SCHEDULES
1960 W LUCENT LANE
NAPERVILLE, ILLINOIS
KARIS CRITICAL

JACOB & HEFNER ASSOCIATES
1333 Butterfield Rd., Suite 300, Downers Grove, IL 60515
PHONE: (630) 652-4600, FAX: (630) 652-4601
www.jacobandhefner.com

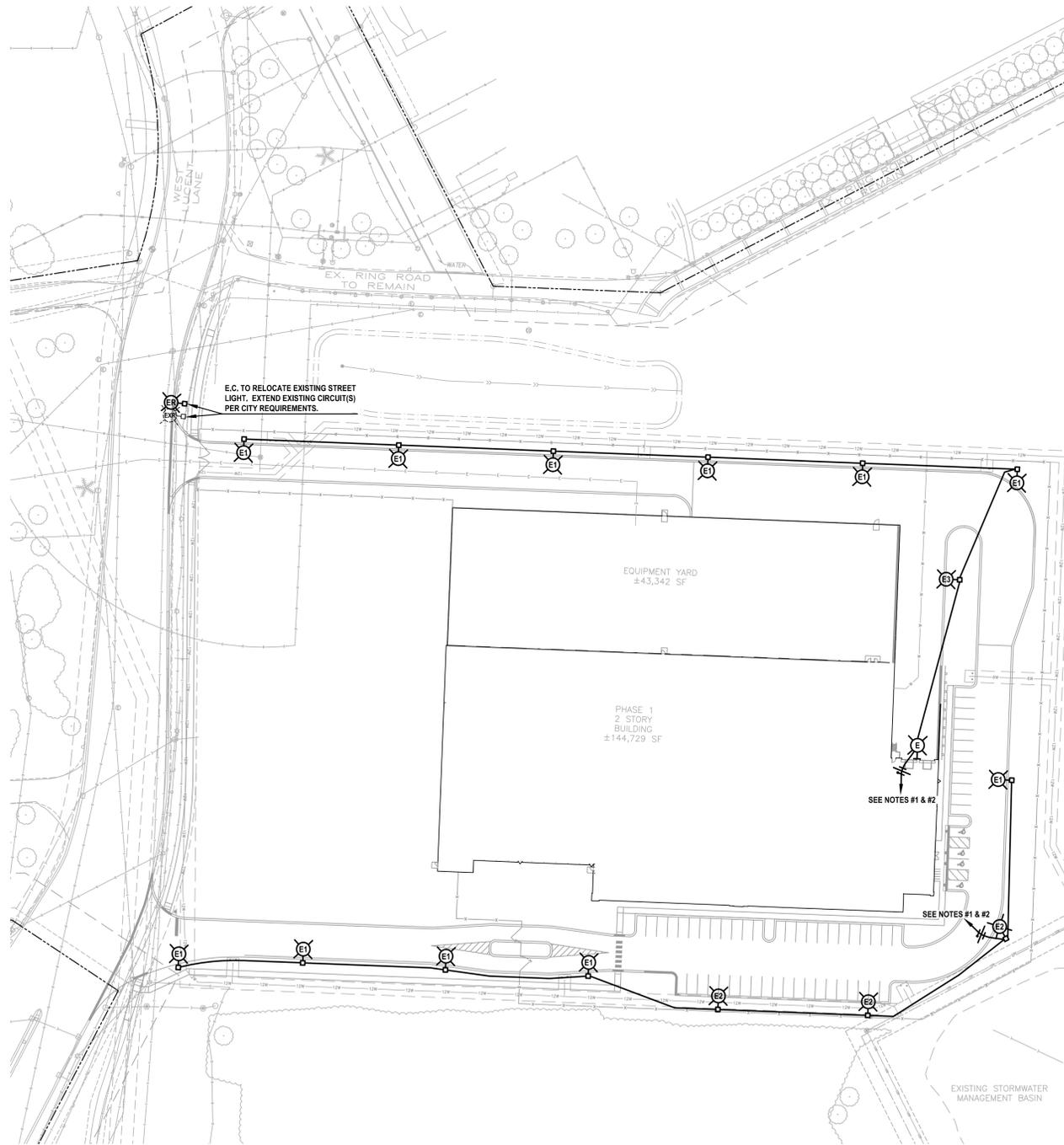


Corporation Registration # 184.000374
KORNACKI & ASSOCIATES, INC.
Electrical Design Consultants
262-784-3323
2645 S. Moorland Rd., New Berlin, WI 53151



DAVID B. KORNACKI
062.052986
Date: 06/12/25
Lic. Exp.: 11/30/25

AS NOTED
250570A
E7



E.C. TO RELOCATE EXISTING STREET LIGHT. EXTEND EXISTING CIRCUIT(S) PER CITY REQUIREMENTS.

SEE NOTES #1 & #2

SEE NOTES #1 & #2

ELECTRICAL SITE PLAN
SCALE: 1"=60'-0"

- NOTES:**
1. EACH LIGHT FIXTURE TO HAVE MOTION SENSOR CONTROL. LIGHT FIXTURES TO DIM TO 33% AFTER 15 MINUTES OF NO MOTION DETECTED. ALL LIGHTS ON THAT CIRCUIT TO COME TO FULL BRIGHTNESS WHEN ONE MOTION SENSOR IS ACTIVATED ON THAT CIRCUIT.
 2. 2 #8 THWN & 1 #8 GND. IN 3/4" C. TO LIGHTING PANEL VIA PHOTOCELL-ON, TIMECLOCK-OFF.

PHASE 1 ELECTRICAL SITE PLAN

1960 W LUCENT LANE
NAPERVILLE, ILLINOIS
KARIS CRITICAL

JACOB & HEFNER ASSOCIATES

1333 Butterfield Rd, Suite 300, Downers Grove, IL 60515
PHONE: (630) 652-4600, FAX: (630) 652-4601
www.jacobandhefner.com



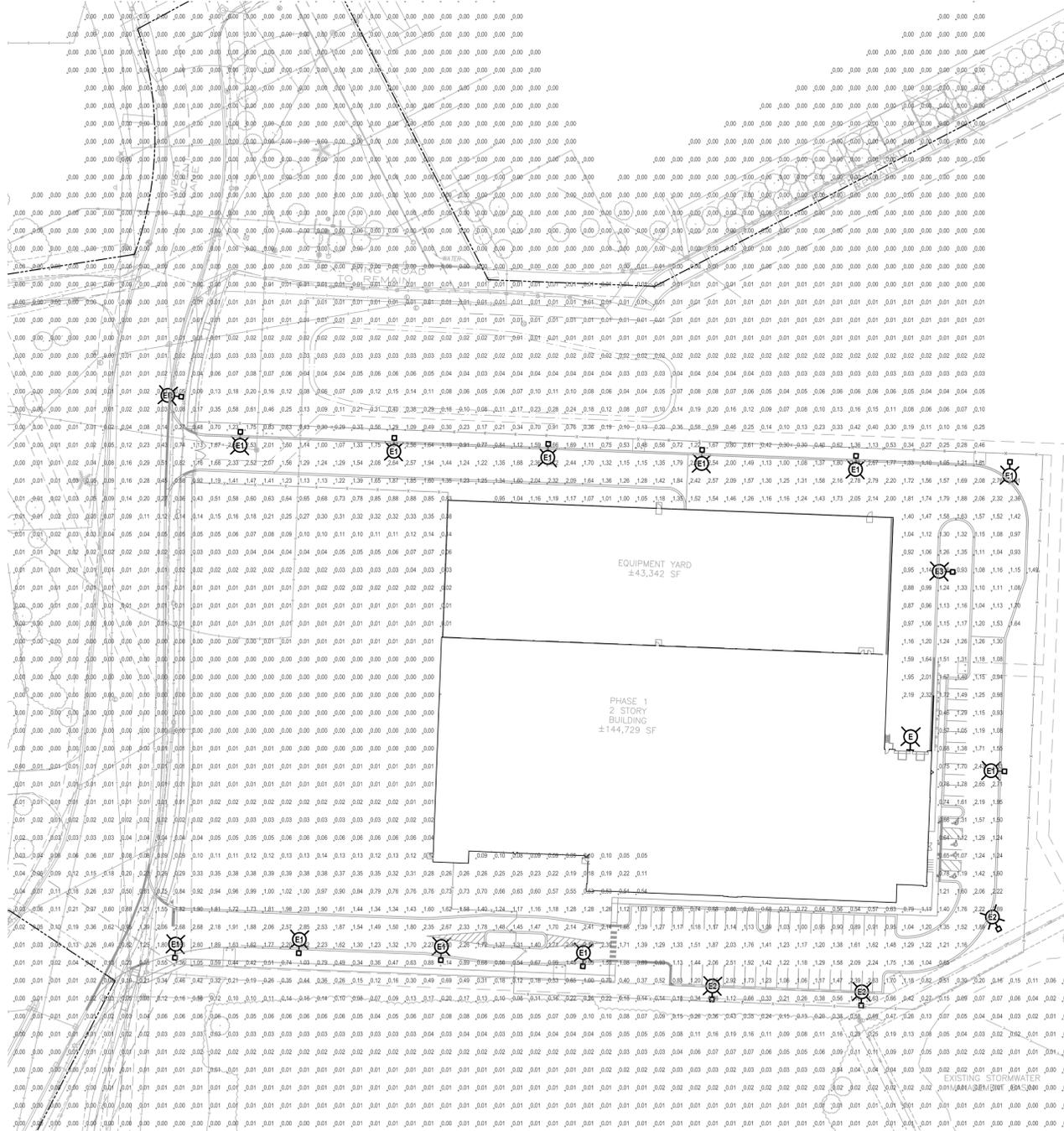
Corporation Registration # 194.003374
KORNACKI & ASSOCIATES, INC.
Electrical Design Consultants
262-784-3323
2645 S. Moorland Rd., New Berlin, WI 53151



David B. Kornacki
Date: 06/12/25
Lic. Exp.: 11/30/25

AS NOTED
25057PH1
E1

No.	Description	Date
		06/12/25
	ISSUED FOR PERMIT	



PHOTOMETRIC SITE PLAN
SCALE: 1"=60'-0"

- LIGHTING ANALYSIS NOTES:
(NAPERVILLE REQUIREMENTS)**
1. AVERAGE FOOTCANDLES: > 0.8
 2. MAXIMUM FOOTCANDLES: NA
 3. MINIMUM FOOTCANDLES: > 0.2
 4. MAXIMUM/MINIMUM RATIO: NA
 5. AVERAGE/MINIMUM RATIO: < 4:1

- LIGHTING ANALYSIS NOTES:
(PAVED AREAS ONLY)**
1. AVERAGE FOOTCANDLES: 1.60
 2. MAXIMUM FOOTCANDLES: 2.92
 3. MINIMUM FOOTCANDLES: 0.65
 4. MAXIMUM/MINIMUM RATIO: 4.5:1
 5. AVERAGE/MINIMUM RATIO: 2.5:1

No.	Description	Date
1	ISSUED FOR PERMIT	06/12/25

PHASE 1 PHOTOMETRIC SITE PLAN
1960 W LUCENT LANE
NAPERVILLE, ILLINOIS
KARIS CRITICAL

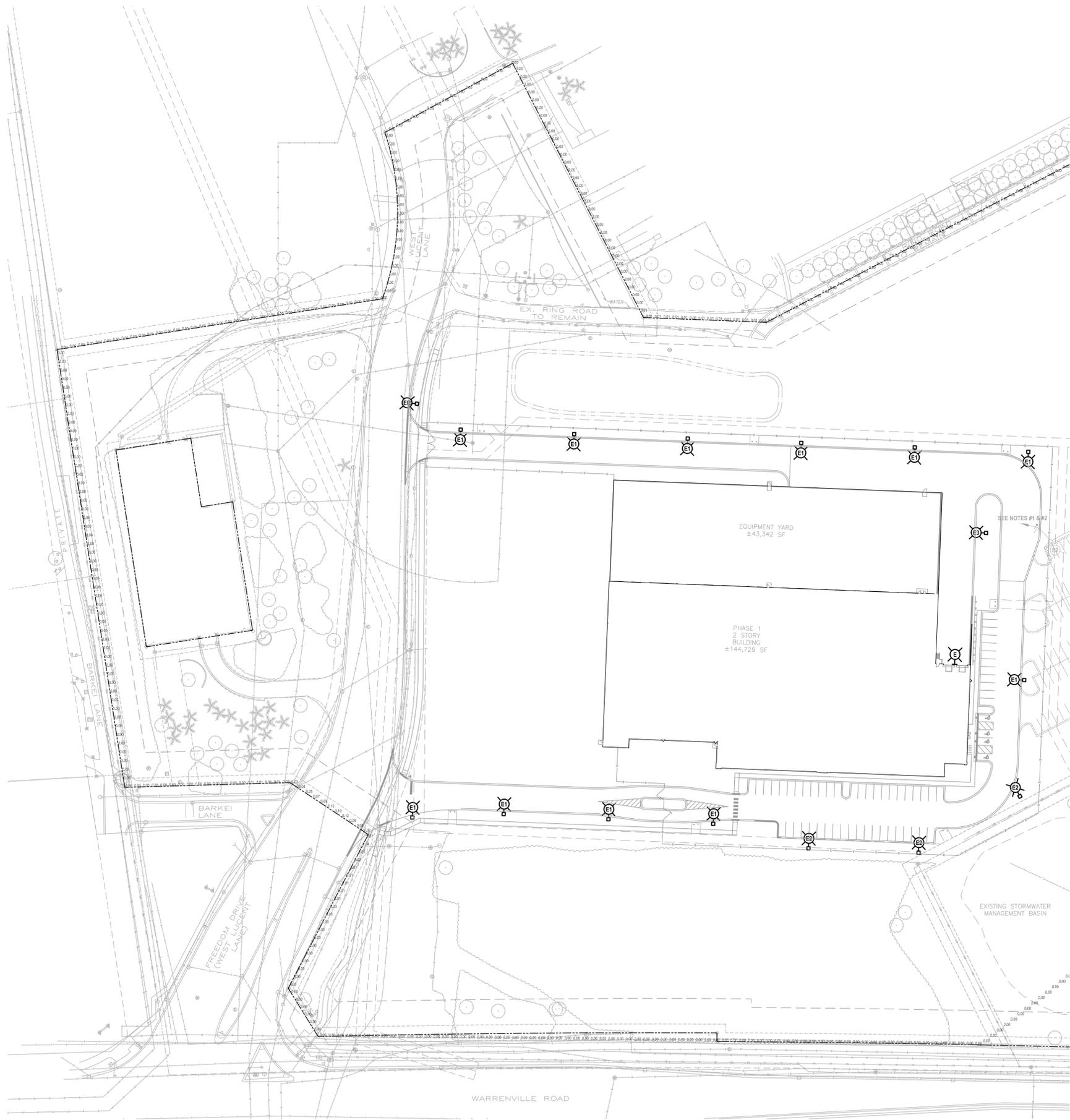
JACOB & HEFNER ASSOCIATES
1333 Butterfield Rd., Suite 300, Downers Grove, IL 60515
PHONE: (630) 652-4600, FAX: (630) 652-4601
www.jacobandhefner.com



Corporation Registration # 194 003374
KORNACKI & ASSOCIATES, INC.
Electrical Design Consultants
262-784-3323
2645 S. Moorland Rd., New Berlin, WI 53151

DAVID B. KORNACKI
062.052986
LICENSED PROFESSIONAL ENGINEER
STATE OF ILLINOIS
Date: 06/12/25
Lic. Exp.: 11/30/25

AS NOTED
25057PH1
E2



PROPERTY LINE PHOTOMETRIC SITE PLAN
SCALE: 1"=60'-0"

LIGHTING ANALYSIS NOTES:
(NAPERVILLE REQUIREMENTS)
1. MAXIMUM AT PROPERTY LINE TO BE LESS THAN 2.0 FOOTCANDLES.

LIGHTING ANALYSIS NOTES:
1. MAXIMUM AT PROPERTY LINE IS LESS THAN 0.5 FOOTCANDLES.



David B. Kornacki
Date: 06/12/25
Lic. Exp.: 11/30/25

Corporation Registration # ISL 003374
KORNACKI & ASSOCIATES, INC.
Electrical Design Consultants
262-784-3323
2845 S. Moorland Rd., New Berlin, WI 53151



JACOB & HEFNER ASSOCIATES
1333 Butterfield Rd., Suite 300, Downers Grove, IL 60515
PHONE: (630) 652-4600, FAX: (630) 652-4601
www.jacobandhefner.com

PHASE 1 PROPERTY LINE PHOTOMETRIC SITE PLAN
1960 W LUCENT LANE
NAPERVILLE, ILLINOIS
KARIS CRITICAL

No.	Description	Date
	ISSUED FOR PERMIT	06/12/25

AS NOTED
25057PH1
E3

