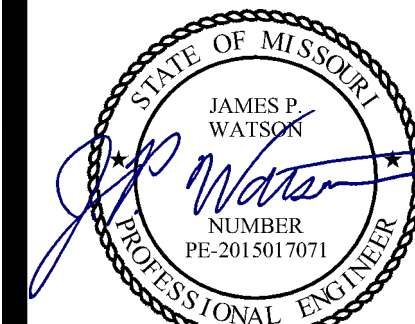
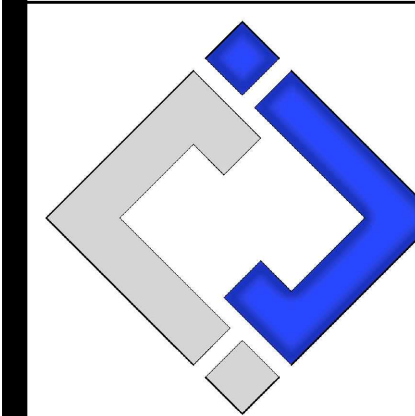




James Watson, P.E.
PE-2015017071
MO Certificate of Authority # 2018029680



**J-SQUARED
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2400 Bluff Creek Drive, Suite 101
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J2 PROJECT No: J221013
J2 DESIGN: ACW

ISSUE TITLE DATE
FDP SUBMITTAL 04 - 19 - 2024

MECHANICAL - ELECTRICAL - PLUMBING DESIGN DRAWINGS FOR:

**Village at Discovery Lot 10
Site Lighting**

100 NE Alura Way
Lee's Summit, Jackson County, MO 64064

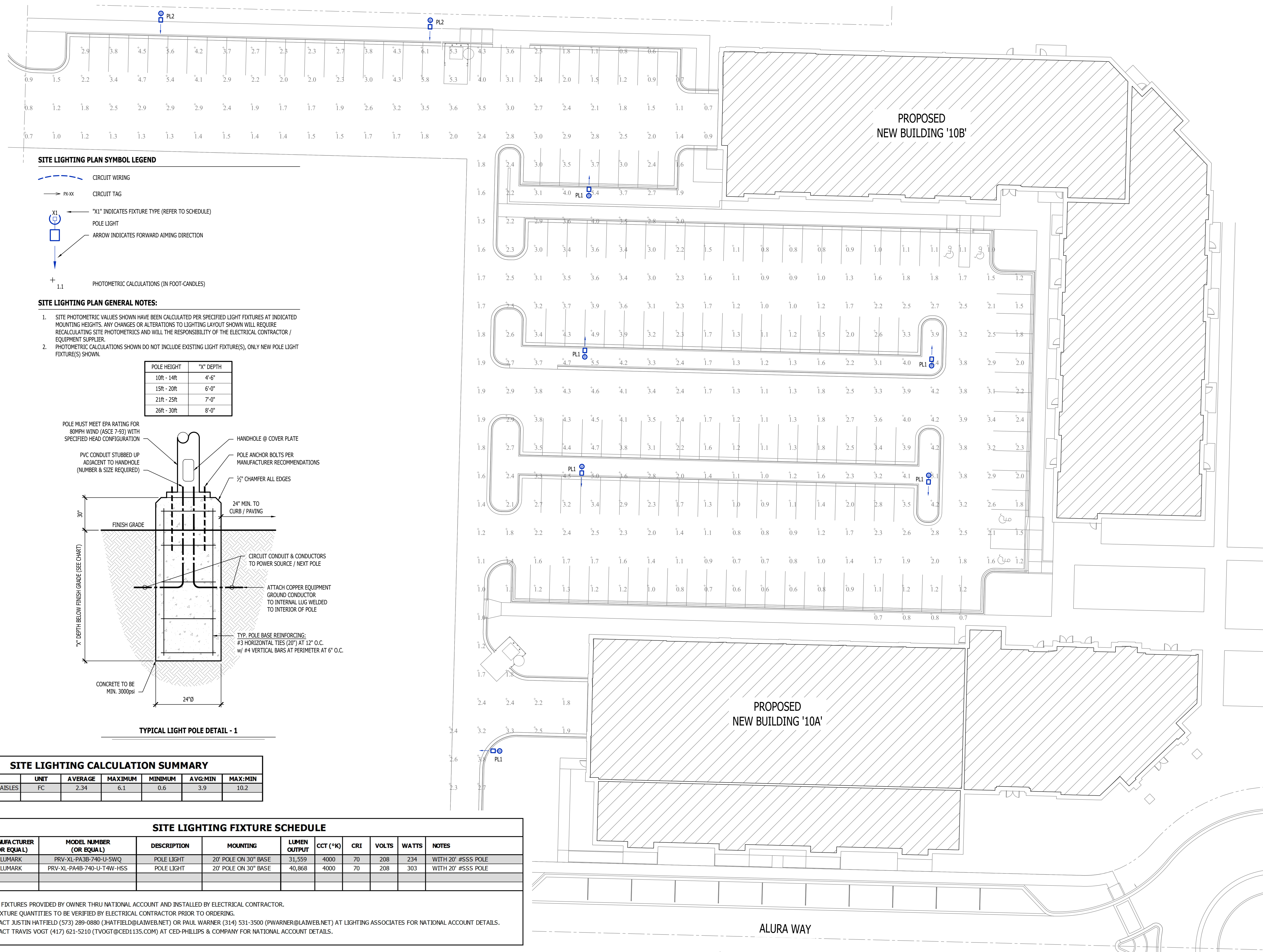
AHJ APPROVAL STAMP

SHEET TITLE

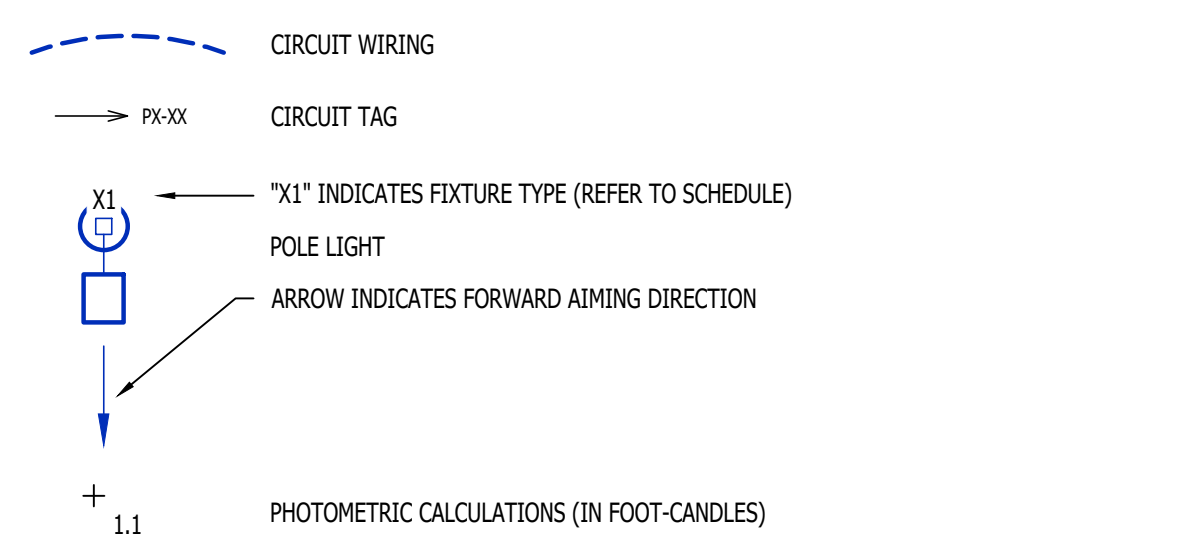
**SITE LIGHTING
PLAN**

SHEET NUMBER

SL1



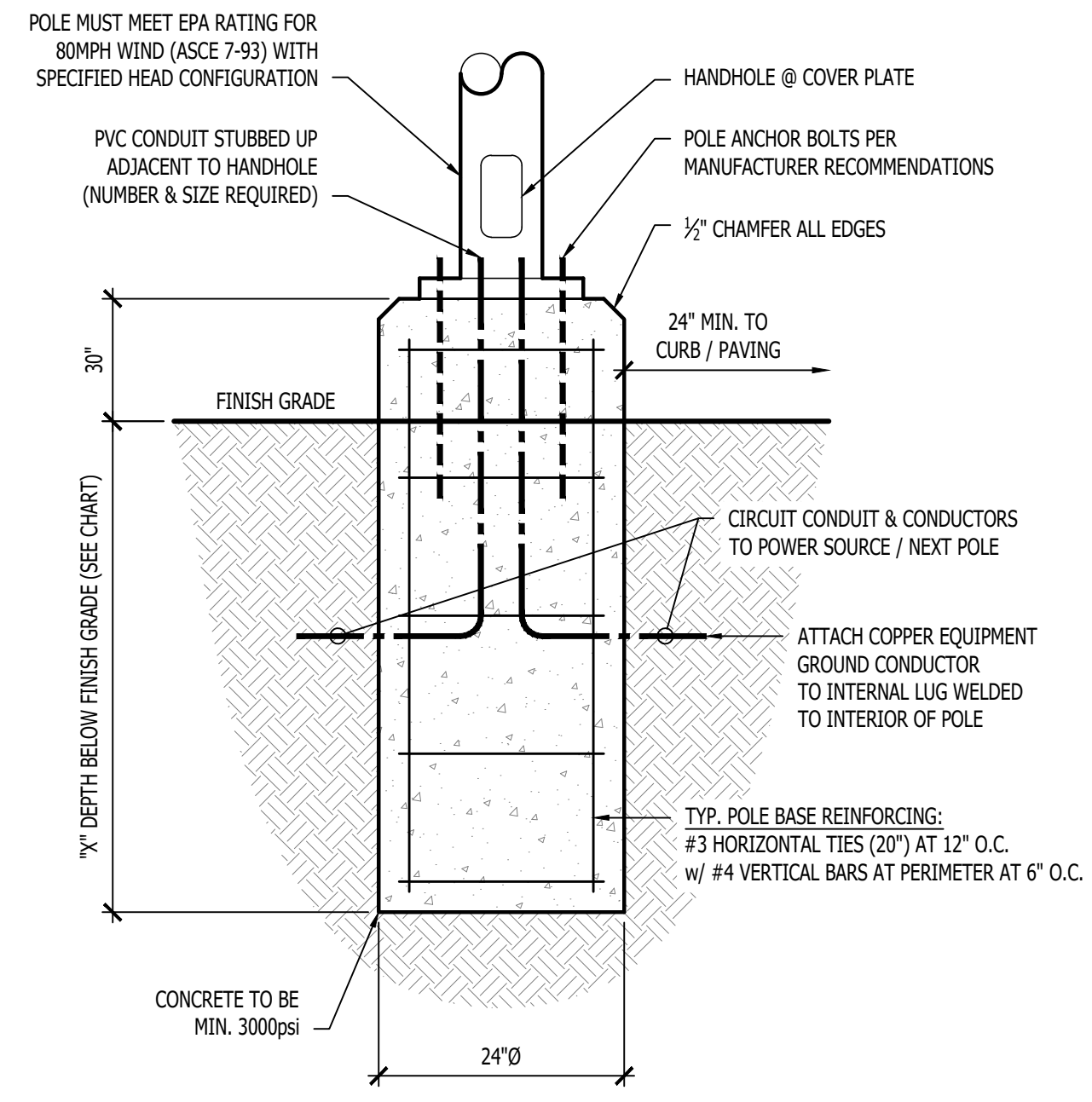
SITE LIGHTING PLAN SYMBOL LEGEND



SITE LIGHTING PLAN GENERAL NOTES:

- SITE PHOTOMETRIC VALUES SHOWN HAVE BEEN CALCULATED PER SPECIFIED LIGHT FIXTURES AT INDICATED MOUNTING HEIGHTS. ANY CHANGES OR ALTERATIONS TO LIGHTING LAYOUT SHOWN WILL REQUIRE RECALCULATING SITE PHOTOMETRICS AND WILL THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR / EQUIPMENT SUPPLIER.
- PHOTOMETRIC CALCULATIONS SHOWN DO NOT INCLUDE EXISTING LIGHT FIXTURE(S), ONLY NEW POLE LIGHT FIXTURE(S) SHOWN.

POLE HEIGHT	"X" DEPTH
10ft - 14ft	4'-6"
15ft - 20ft	6'-0"
21ft - 25ft	7'-0"
26ft - 30ft	8'-0"



TYPICAL LIGHT POLE DETAIL - 1

SITE LIGHTING CALCULATION SUMMARY

AREA	UNIT	AVERAGE	MAXIMUM	MINIMUM	AVG:MIN	MAX:MIN
PARKING/DRIVE-AISLES	FC	2.34	6.1	0.6	3.9	10.2

SITE LIGHTING FIXTURE SCHEDULE

TAG	MANUFACTURER (OR EQUAL)	MODEL NUMBER (OR EQUAL)	DESCRIPTION	MOUNTING	LUMEN OUTPUT	CCT (°K)	CRI	VOLTS	WATTS	NOTES
PL1	LUMARK	PRV-XL-PA3B-740-U-5WQ	POLE LIGHT	20' POLE ON 30" BASE	31,559	4000	70	208	234	WITH 20' #SSS POLE
PL2	LUMARK	PRV-XL-PA4B-740-U-T4W-HSS	POLE LIGHT	20' POLE ON 30" BASE	40,868	4000	70	208	303	WITH 20' #SSS POLE

NOTES:

- LIGHT FIXTURES PROVIDED BY OWNER THRU NATIONAL ACCOUNT AND INSTALLED BY ELECTRICAL CONTRACTOR.
- ALL FIXTURE QUANTITIES TO BE VERIFIED BY ELECTRICAL CONTRACTOR PRIOR TO ORDERING.
- CONTACT JUSTIN HATFIELD (573) 289-0880 (JHATFIELD@LAIWEB.NET) OR PAUL WARNER (314) 531-3500 (PWARNER@LAIWEB.NET) AT LIGHTING ASSOCIATES FOR NATIONAL ACCOUNT DETAILS.
- CONTACT TRAVIS VOGT (417) 621-5210 (TVOGT@CED1135.COM) AT CED-PHILLIPS & COMPANY FOR NATIONAL ACCOUNT DETAILS.

SITE LIGHTING PLAN

SCALE: 1" = 20' ft