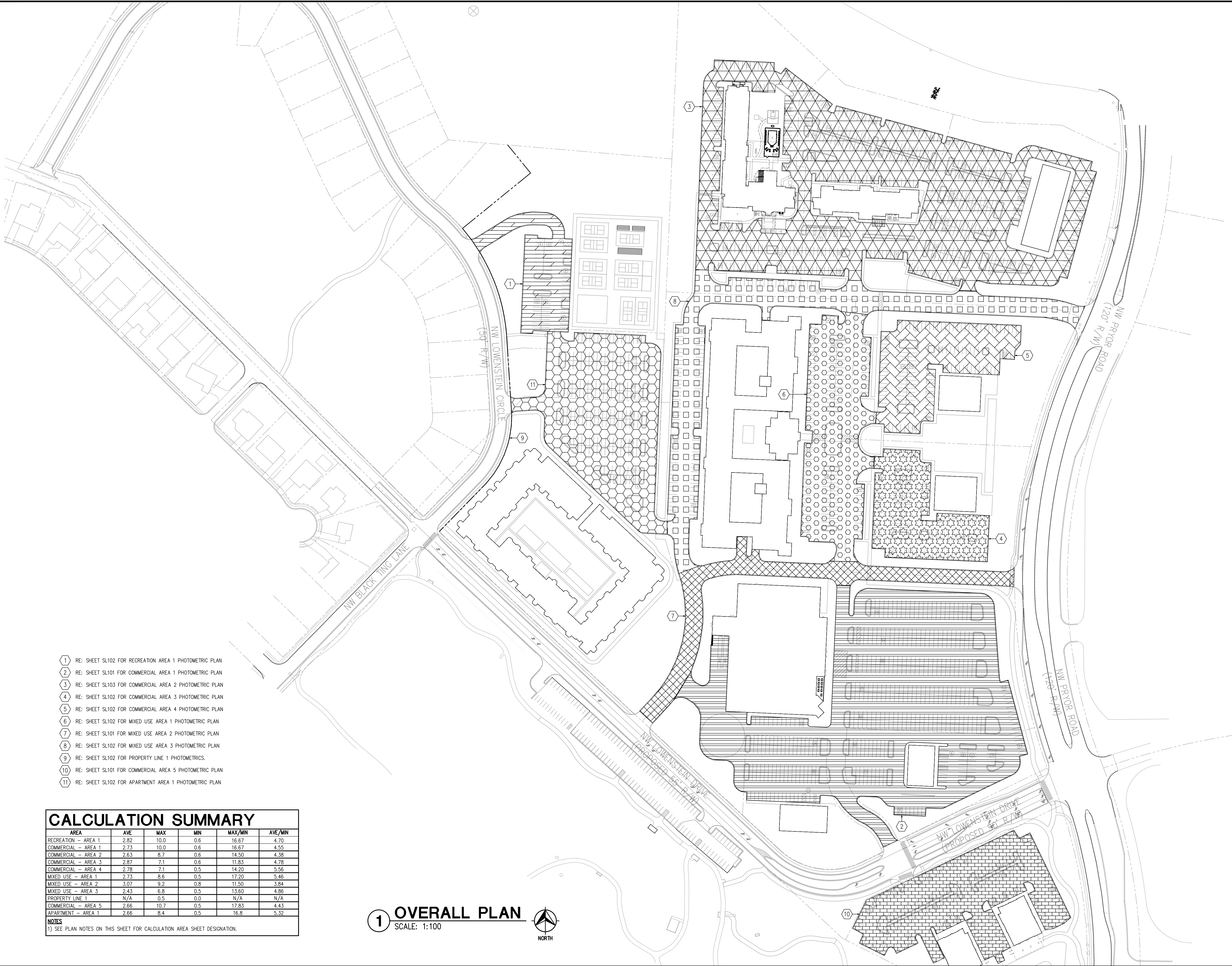




- 1) RE: SHEET SL102 FOR RECREATION AREA 1 PHOTOMETRIC PLAN
2) RE: SHEET SL101 FOR COMMERCIAL AREA 1 PHOTOMETRIC PLAN
3) RE: SHEET SL103 FOR COMMERCIAL AREA 2 PHOTOMETRIC PLAN
4) RE: SHEET SL102 FOR COMMERCIAL AREA 3 PHOTOMETRIC PLAN
5) RE: SHEET SL102 FOR COMMERCIAL AREA 4 PHOTOMETRIC PLAN
6) RE: SHEET SL102 FOR MIXED USE AREA 1 PHOTOMETRIC PLAN
7) RE: SHEET SL101 FOR MIXED USE AREA 2 PHOTOMETRIC PLAN
8) RE: SHEET SL102 FOR MIXED USE AREA 3 PHOTOMETRIC PLAN
9) RE: SHEET SL102 FOR PROPERTY LINE 1 PHOTOMETRICS.
10) RE: SHEET SL101 FOR COMMERCIAL AREA 5 PHOTOMETRIC PLAN
11) RE: SHEET SL102 FOR APARTMENT AREA 1 PHOTOMETRIC PLAN

CALCULATION SUMMARY

AREA	AVE	MAX	MIN	MAX/MIN	AVE/MIN
RECREATION - AREA 1	2.82	10.0	0.6	16.67	4.70
COMMERCIAL - AREA 1	2.73	10.0	0.6	16.67	4.55
COMMERCIAL - AREA 2	2.63	8.7	0.6	14.50	4.38
COMMERCIAL - AREA 3	2.87	7.1	0.6	11.83	4.78
COMMERCIAL - AREA 4	2.78	7.1	0.5	14.20	5.56
MIXED USE - AREA 1	2.73	8.6	0.5	17.20	5.46
MIXED USE - AREA 2	3.07	9.2	0.8	11.50	3.84
MIXED USE - AREA 3	2.43	6.8	0.5	13.60	4.86
PROPERTY LINE 1	N/A	0.5	0.0	N/A	N/A
COMMERCIAL - AREA 5	2.66	10.7	0.5	17.83	4.43
APARTMENT - AREA 1	2.66	8.4	0.5	16.8	5.32

NOTES
1) SEE PLAN NOTES ON THIS SHEET FOR CALCULATION AREA SHEET DESIGNATION.

1) OVERALL PLAN
SCALE: 1:100



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ISO PROJECT NUMBER
16-5419-1

STREETS OF WEST PRYOR
NWQ NW PRYOR ROAD & NW LOWENSTEIN DRIVE
LEE'S SUMMIT, MISSOURI
PRELIMINARY DEVELOPMENT PLAN
GRADING PLAN

PROJ. NO.	A14-7067-1
DESIGNER	WRA
DRAWN BY	WRA
CFN	5419-1 - SL100
SHEET	SL100
REV	2

KAW VALLEY ENGINEERING
KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES IN THE STATE OF MISSOURI. EXPIRES 12/31/18.

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CURTIS L. BRUNGARDT
ENGINEER
MO # 2003016693

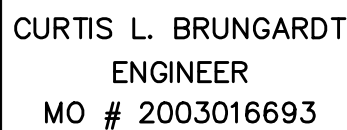


REV	DATE	DESCRIPTION
2	9-18-18	REVISED PER CITY COMMENT
0	8-20-18	INITIAL ISSUE

WRA	WRA	CLB
WRA	WRA	CLB
DSN	DWN	CHK

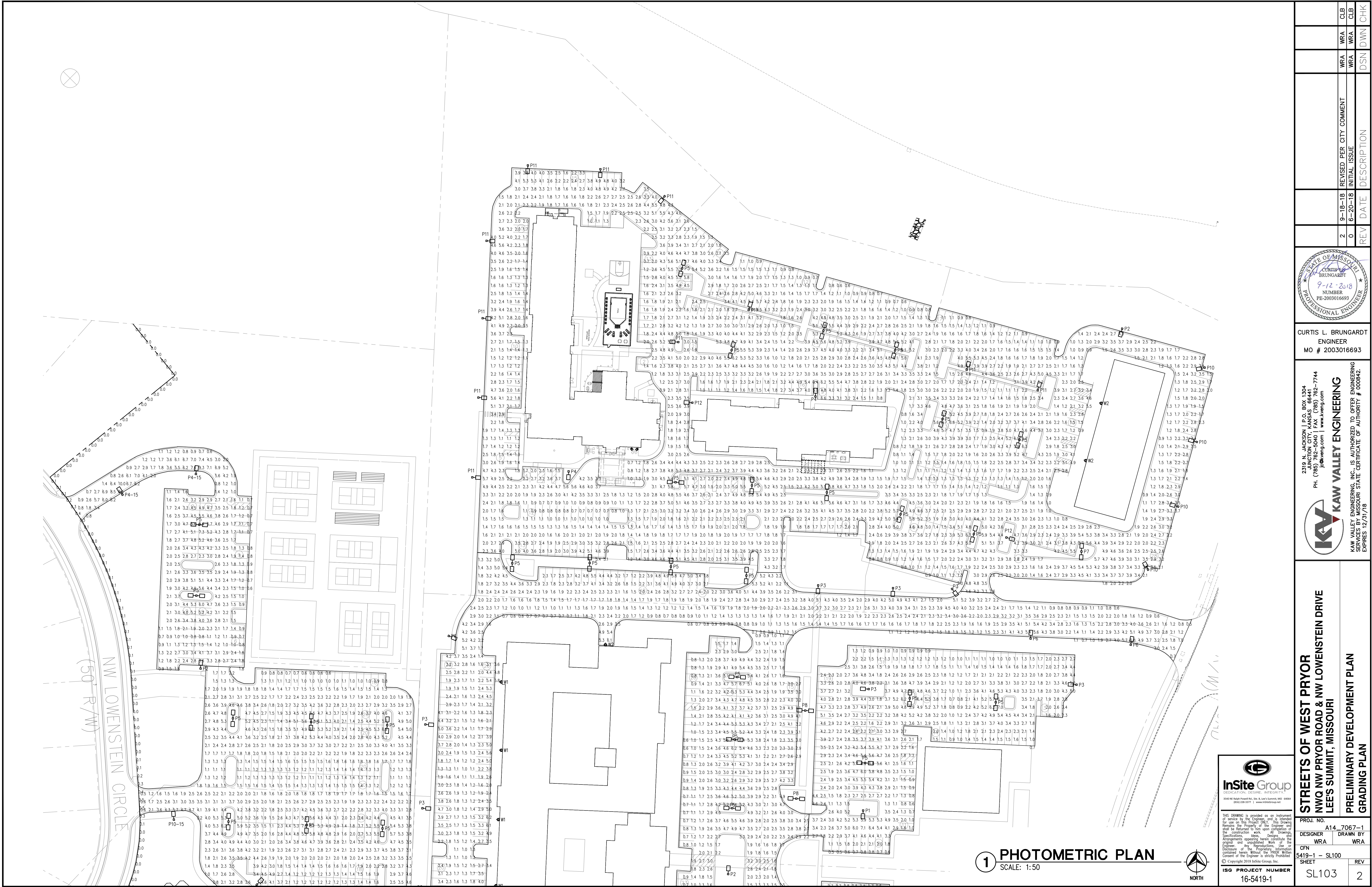


STREETS OF WEST PRYOR NWQ NW PRYOR ROAD & NW LOWENSTEIN DRIVE LEE'S SUMMIT, MISSOURI		2319 N. JACKSON P.O. BOX 1304 JENNIFER, MISSOURI 64501 PH (785) 782-5040 FAX (785) 782-7744 j2@kvweng.com www.kvweng.com									
		 KAW VALLEY ENGINEERING KAW VALLEY ENGINEERING, INC., IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY MISSOURI STATE CERTIFICATE OF AUTHORITY # 000842. EXPIRES 12/31/18		CURTIS L. BRUNGARDT ENGINEER MO # 2003016693							
PRELIMINARY DEVELOPMENT PLAN GRADING PLAN		PROJ. NO. A14-7067-1 DESIGNER WRA DRAWN BY WRA CFN _____ SHEET SL101 - SL100		REV _____		REV _____		REV _____		REV _____	
				REV _____		REV _____		REV _____		REV _____	



PROJ. NO.		A14_7067-1	
DESIGNER WRA		DRAWN BY WRA	
CFN			
5419-1 - SL100			
SHEET		REV	
SL102		2	

PROJ. NO.		A14_7067-1	
DESIGNER WRA		DRAWN BY WRA	
CFN			
5419-1 - SL100			
SHEET		REV	
SL102		2	



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ISO PROJECT NUMBER
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PHOTOMETRIC PLAN

SCALE: 1:50



STREETS OF WEST PRYOR NWQ NW PRYOR ROAD & NW LOWENSTEIN DRIVE LEE'S SUMMIT, MISSOURI		PRELIMINARY DEVELOPMENT PLAN GRADING PLAN	
PROJ. NO.	A14-7067-1	DESIGNER	WRA
CFN	5419-1 - SL100	DRAWN BY	WRA
SHEET	SL103	REV	2
KAW VALLEY ENGINEERING, INC. IS AUTHORIZED TO OFFER ENGINEERING SERVICES IN MISSOURI STATE CERTIFICATE OF AUTHORITY # 000842. EXPIRES 12/31/18		KAW VALLEY ENGINEERING 2319 N. JACKSON P.O. BOX 1304 JUNCTION CITY, KANSAS 66441 PH (785) 762-5040 FAX (785) 762-7744 joe@kvweng.com www.kvweng.com	
CURTIS L. BRUNGARDT ENGINEER MO # 2003016693		STATE OF MISSOURI CURTIS L. BRUNGARDT 9-12-2018 NUMBER PE-2003016693 PROFESSIONAL ENGINEER	
REV	DATE	DESCRIPTION	CHK
2	9-18-18	REVISED PER CITY COMMENT	WRA
0	8-20-18	INITIAL ISSUE	WRA
			DSN
			DWN
			CHK

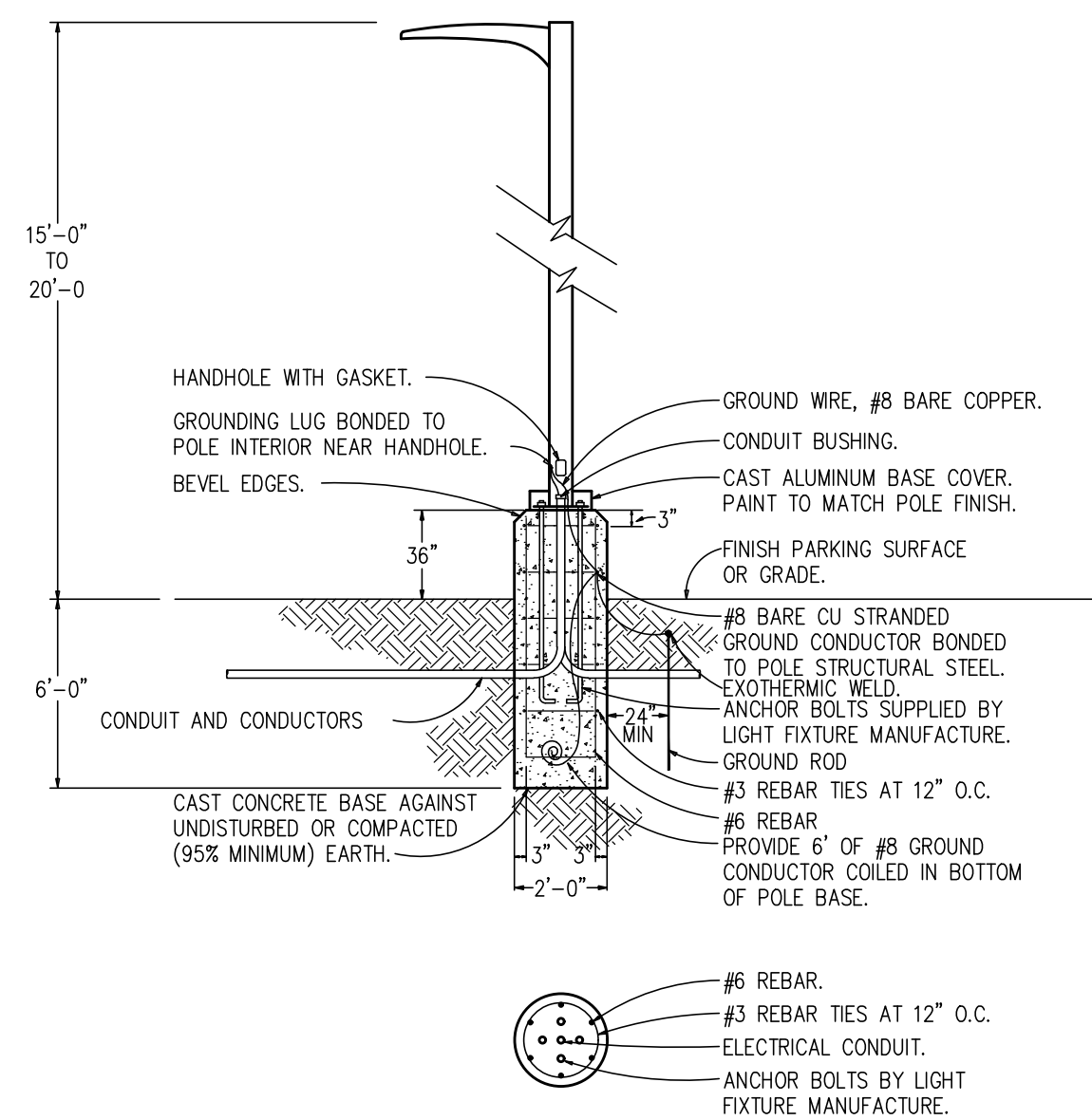
LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER *	FIXTURE DESCRIPTION	MODEL NUMBER	MOUNTING	COLOR	LAMP			DRIVE CURRENT (QUANTITY/TYPE)	VOLTS	WATTS PER/POLE	NOTES
						QTY	TYPE	CODE				
P1	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE WITH DIRECT ARM MOUNT AT 90 DEGREES AND 20FT ALUMINUM POLE WITH VIBRATION DAMPER	FIXTURE: GLEON-AF-04-LED-E1-T3	POLE	4000K	1 PER POLE	LED	-	(1) 1000mA	MVOLT	225	1-3
P2	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE WITH DIRECT ARM MOUNT AT 90 DEGREES AND 20FT ALUMINUM POLE WITH VIBRATION DAMPER	FIXTURE: GLEON-AF-02-LED-E1-SL2	POLE	4000K	1 PER POLE	LED	-	(1) 1000mA	MVOLT	113	1-3
P3	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE WITH DIRECT ARM MOUNT AT 90 DEGREES AND 20FT ALUMINUM POLE WITH VIBRATION DAMPER	FIXTURE: GLEON-AF-03-LED-E1-SL4-BZ	POLE	4000K	1 PER POLE	LED	-	(1) 1000mA	MVOLT	166	1-3
P4	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE WITH DIRECT ARM MOUNT AT 90 DEGREES AND 20FT ALUMINUM POLE WITH VIBRATION DAMPER	FIXTURE: GLEON-AF-03-LED-E1-SL2	POLE	4000K	1 PER POLE	LED	-	(1) 1000mA	MVOLT	166	1-3
P4-15	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE WITH DIRECT ARM MOUNT AT 90 DEGREES AND 15FT ALUMINUM POLE WITH VIBRATION DAMPER	FIXTURE: GLEON-AF-03-LED-E1-SL2	POLE	4000K	1 PER POLE	LED	-	(1) 1000mA	MVOLT	166	1-3
P5	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE WITH DIRECT ARM MOUNT AT 90 DEGREES, 2 FIXTURES ORIENTED AT 180 DEGREES AND 20FT ALUMINUM POLE WITH VIBRATION DAMPER	FIXTURE: 2-GLEON-AF-03-LED-E1-SL4	POLE	4000K	2 PER POLE (AT 180deg)	LED	-	(1) 1000mA (PER FIXTURE)	MVOLT	332	1-3
P6	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE WITH DIRECT ARM MOUNT AT 90 DEGREES AND 20FT ALUMINUM POLE WITH VIBRATION DAMPER	FIXTURE: GLEON-AF-03-LED-E1-SL3	POLE	4000K	1 PER POLE	LED	-	(1) 1000mA	MVOLT	166	1-3
P7	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE WITH DIRECT ARM MOUNT AT 90 DEGREES, 2 FIXTURES ORIENTED AT 180 DEGREES AND 20FT ALUMINUM POLE WITH VIBRATION DAMPER	FIXTURE: 2-GLEON-AF-03-LED-E1-SL3	POLE	4000K	2 PER POLE (AT 180deg)	LED	-	(1) 1000mA (PER FIXTURE)	MVOLT	332	1-3
P8	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE WITH DIRECT ARM MOUNT AT 90 DEGREES, 2 FIXTURES ORIENTED AT 180 DEGREES AND 20FT ALUMINUM POLE WITH VIBRATION DAMPER	FIXTURE: 2-GLEON-AF-02-LED-E1-SL2-BZ	POLE	4000K	1 PER POLE	LED	-	(1) 1000mA (PER FIXTURE)	MVOLT	226	1-3
P9	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE WITH DIRECT ARM MOUNT AT 90 DEGREES, 2 FIXTURES ORIENTED AT 180 DEGREES AND 20FT ALUMINUM POLE WITH VIBRATION DAMPER	FIXTURE: 2-GLEON-AF-04-LED-E1-SL4	POLE	4000K	1 PER POLE	LED	-	(1) 1000mA (PER FIXTURE)	MVOLT	450	1-3
P10	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE WITH DIRECT ARM MOUNT AT 90 DEGREES AND 20FT ALUMINUM POLE WITH VIBRATION DAMPER	FIXTURE: GLEON-AF-02-LED-E1-SL4	POLE	4000K	1 PER POLE	LED	-	(1) 1000mA	MVOLT	113	1-3
P10-15	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE WITH DIRECT ARM MOUNT AT 90 DEGREES AND 15FT ALUMINUM POLE WITH VIBRATION DAMPER	FIXTURE: GLEON-AF-02-LED-E1-SL4	POLE	4000K	1 PER POLE	LED	-	(1) 1000mA	MVOLT	113	1-3
P11	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE WITH DIRECT ARM MOUNT AT 90 DEGREES AND 20FT ALUMINUM POLE WITH VIBRATION DAMPER	FIXTURE: GLEON-AF-03-LED-E1-14FT	POLE	4000K	1 PER POLE	LED	-	(1) 1000mA	MVOLT	166	1-3
P12	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE WITH DIRECT ARM MOUNT AT 90 DEGREES AND 20FT ALUMINUM POLE WITH VIBRATION DAMPER	FIXTURE: GLEON-AF-02-LED-E1-SL3	POLE	4000K	1 PER POLE	LED	-	(1) 1000mA	MVOLT	113	1-3
W1	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE, WITH WALL MOUNT AT 90 DEGREES AND 15FT MOUNTING HEIGHT.	FIXTURE: GWC-AF-02-LED-E1-T3	WALL	4000K	1	LED	-	(1) 1000mA	MVOLT	113	1-3
W2	McGRAW-EDISON	DARK SKY COMPLIANT AREA LIGHT FIXTURE, WITH WALL MOUNT AT 90 DEGREES AND 15FT MOUNTING HEIGHT.	FIXTURE: GWC-AF-02-LED-E1-14FT	WALL	4000K	1	LED	-	(1) 1000mA	MVOLT	113	1-3

NOTES

- 1) CONTRACTOR SHALL COORDINATE FINAL FIXTURE/POLE COLORS WITH OWNER.
- 2) CONTRACTOR SHALL PROVIDE SQUARE POLE PER INFORMATION PROVIDED IN SCHEDULE.
- 3) CONTRACTOR SHALL COORDINATE SITE LIGHTING FIXTURE VOLTAGE WITH FINAL DESIGN PACKAGE.

* OR PRIOR APPROVED EQUAL



1 LIGHT POLE BASE DETAIL



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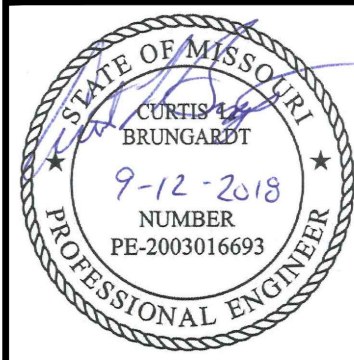
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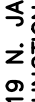
STREETS OF WEST PRYOR
NWQ NW PRYOR ROAD & NW LOWENSTEIN DRIVE
LEE'S SUMMIT, MISSOURI

PRELIMINARY DEVELOPMENT PLAN GRADING PLAN

PROJ. NO.		A14_7067-1	
DESIGNER		DRAWN BY	
WRA		WRA	
CFN			
5419-1 - SL100			
SHEET		REV	
SL200		2	



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EXPIRES 12/31/18

REV	DATE	DESCRIPTION	WRA	WRA	WRA	CLB	CHK
			INITIAL	ISSUE	COMMENT	CLB	
2	9-18-18						
0	6-20-18						

