

36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 09 08 07 06 05 04 03 02 01

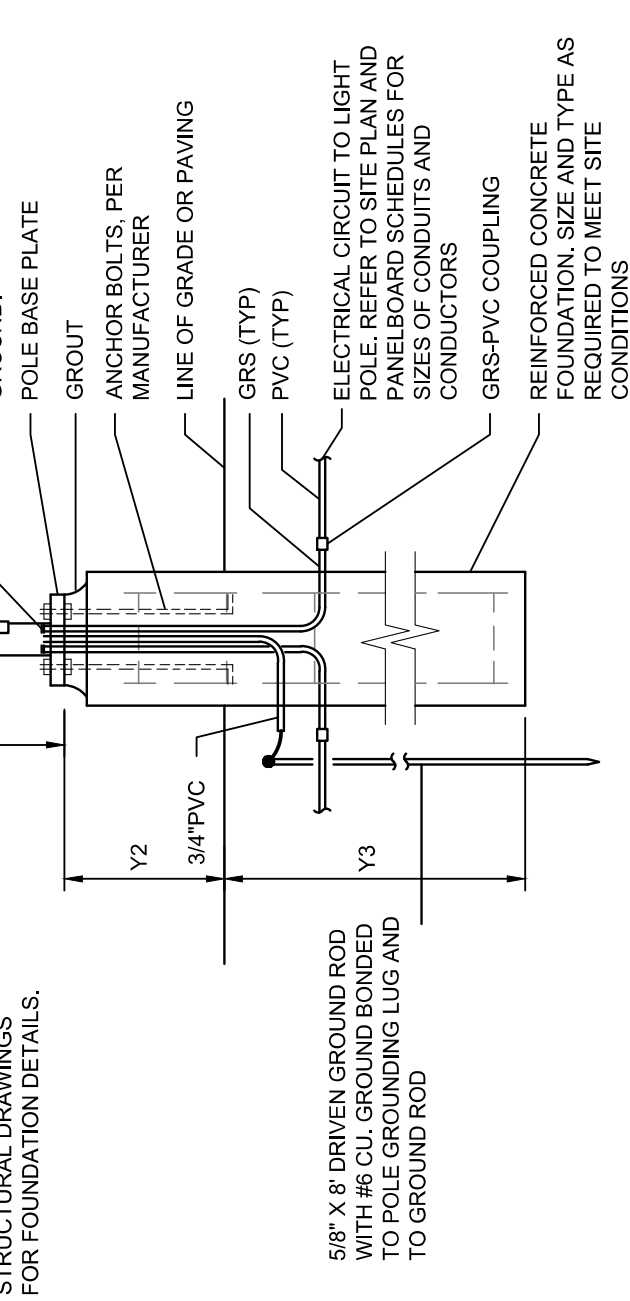
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CLEARING THE AREA FOR PROPER ILLUMINATION
THE CONTRACTOR SHALL TRIM TREES AND LANDSCAPING AROUND THE AFFECTED AREA IN ORDER TO COMPLY WITH CHASE LANDSCAPING STANDARD 300-L2
ATM ILLUMINATION REQUIREMENTS
FINAL ADJUSTMENTS TO AIMING ANGLE/DIRECTION OF FIXTURES MAY BE REQUIRED TO ELIMINATE LIGHT TRESPASS OR GLARE ONTO ADJOINING PROPERTIES OR ROADWAYS.
SUBSTITUTION OF THE LIGHT FIXTURES WILL RESULT IN A DIFFERENT ILLUMINATION COVERAGE AND PATTERN. SUBSTITUTION OF LIGHT FIXTURE WILL NOT BE PERMITTED.

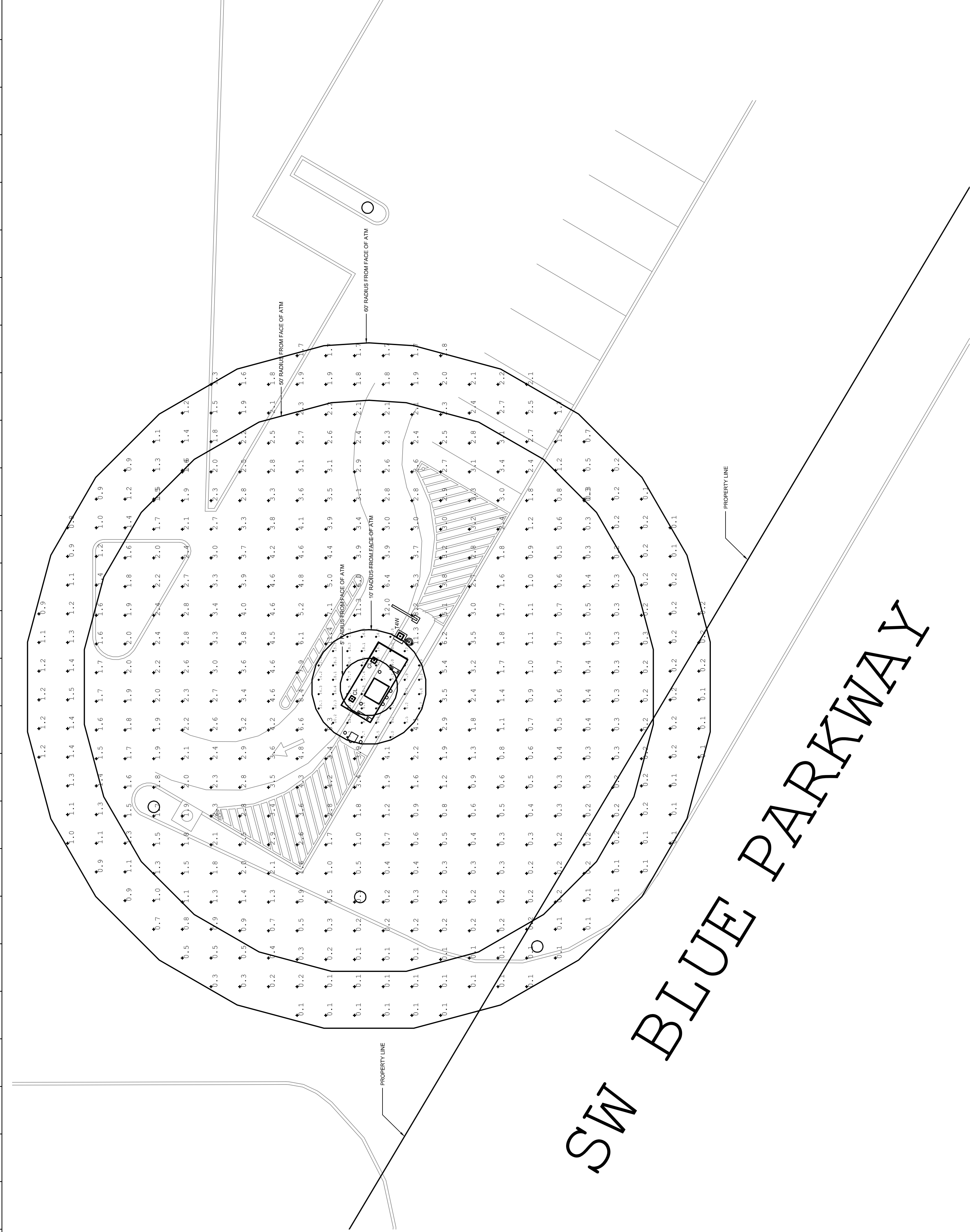
LIGHT FIXTURE SCHEDULE:	
QL= E-CSA04A-W4W CANOPY LIGHT OWNER PROVIDED CONTRACTOR INSTALLED) MANUFACTURER: E-CO LIGHT 120V, 48VA, 44W	
T4W=GLEON-AF-04-LED-E1-T4W MANUFACTURER=HOGRAW-EDISON 120V, 250VA, 228W	
POLE 25 SQUARE STEEL POLE RATED FOR 80 MPH WINDS POLE CATALOG NUMBER: SSSA2051X MANUFACTURER: EATON COORDINATE FINISH WITH ARCHITECT	
SEE SHEET E3.0 FOR CIRCUITING INFORMATION. CONTRACTOR TO VERIFY UTILITY SERVICE VOLTAGE BEFORE ORDERING LIGHTING FIXTURES	

TABLE OF DIMENSIONS*	
X	POLE HEIGHT < 16' = 1'-5"
Y	POLE HEIGHT > 16' = 2'-0"
Y1	REFER TO LIGHT FIXTURE SCHEDULE FOR POLE HEIGHT
Y2	VEHICULAR AREAS - 3'-0"
Y3	NON-VEHICULAR AREAS - 0'-6"
* NOTE: ALL DIMENSIONS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY.	

REFERENCE CIVIL OR MECHANICAL DRAWINGS FOR UTILITY LOCATIONS AND TO POLE GROUNDING LUG WITH #6 CU



2 POLE BASE DETAIL
NO SCALE

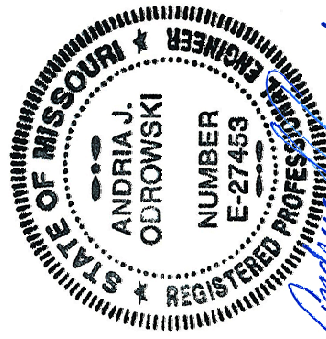


1 PHOTOMETRICS PLAN
3/32" = 1'-0"

THE LOCATION OF THE LIGHT FIXTURES WERE MADE BY OTHERS AND ARE OUTSIDE OF THE SCOPE OF WORK OF HENDERSON ENGINEERS. HENDERSON ENGINEERS HAS CONDUCTED VISUAL CHECKS OF THE LIGHTING POWER CIRCUIT AND ENERGY CODE COMPLIANCE CALCULATIONS. THE USE OF THE SEAL AND SIGNATURE ON THIS SHEET APPLIES TO HENDERSON ENGINEERS SCOPE OF SERVICES ONLY.

Luminaire Schedule		Label	Qty	Arrangement	LI/F	Description
Symbol	Qty	e-csa04 series 40k	2	SINGLE	0.900	E-CSA04A-W4W
	1	GLEON-AF-04-LED-E1-T4W	1	SINGLE	0.900	GLEON-AF-04-LED-E1-T4W

Calculation Summary		Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
5' AREA OUTSIDE PROPERTY LINE	ILLUMINANCE	ILLUMINANCE	FC	13.92	17.7	8.6	1.62	2.06	4.38
10' AREA OUTSIDE PROPERTY LINE	ILLUMINANCE	FC	11.98	20.6	4.7	2.55	4.38	4.38	4.38
50' AREA OUTSIDE PROPERTY LINE	ILLUMINANCE	FC	2.20	12.0	0.1	22.00	120.00	120.00	120.00
60' AREA OUTSIDE PROPERTY LINE	ILLUMINANCE	FC	0.95	2.7	0.1	8.50	27.00	27.00	27.00



HENDERSON ENGINEERS
8846 LEAS VILLAGE SUITE 300
LEAS VILLAGE, MISSOURI 64088
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WWW.HENDERSONENGINEERS.COM

195004706
02/16/20

Dec 19 2019



GOLDEN SANDS
GENERAL CONTRACTORS

RMTA

2000 SHAWNEE MISSION PARKWAY
STE 100 MISSION WOODS, KS 66205
TEL 816 502 1500 FAX 816 842 1878

PROJECT
**BLUE PARKWAY
& JEFFERSON ST.
DRIVE-UP ATM**

278 SW BLUE PARKWAY
LEES SUMMIT, MISSOURI 64083

SHEET TITLE
**PHOTOMETRICS
PLAN**

PROJECT NUMBER
2019033.080
SHEET AUTHOR
RAB
CHECKED BY
RAB
DATE
DECEMBER 20, 2019

DESIGNED BY
ANDRIA J. ODROWSKI
LICENSE NUMBER
E-27465
PROFESSIONAL ENGINEER

SHEET NUMBER

E2.0

RMTA.BIZ