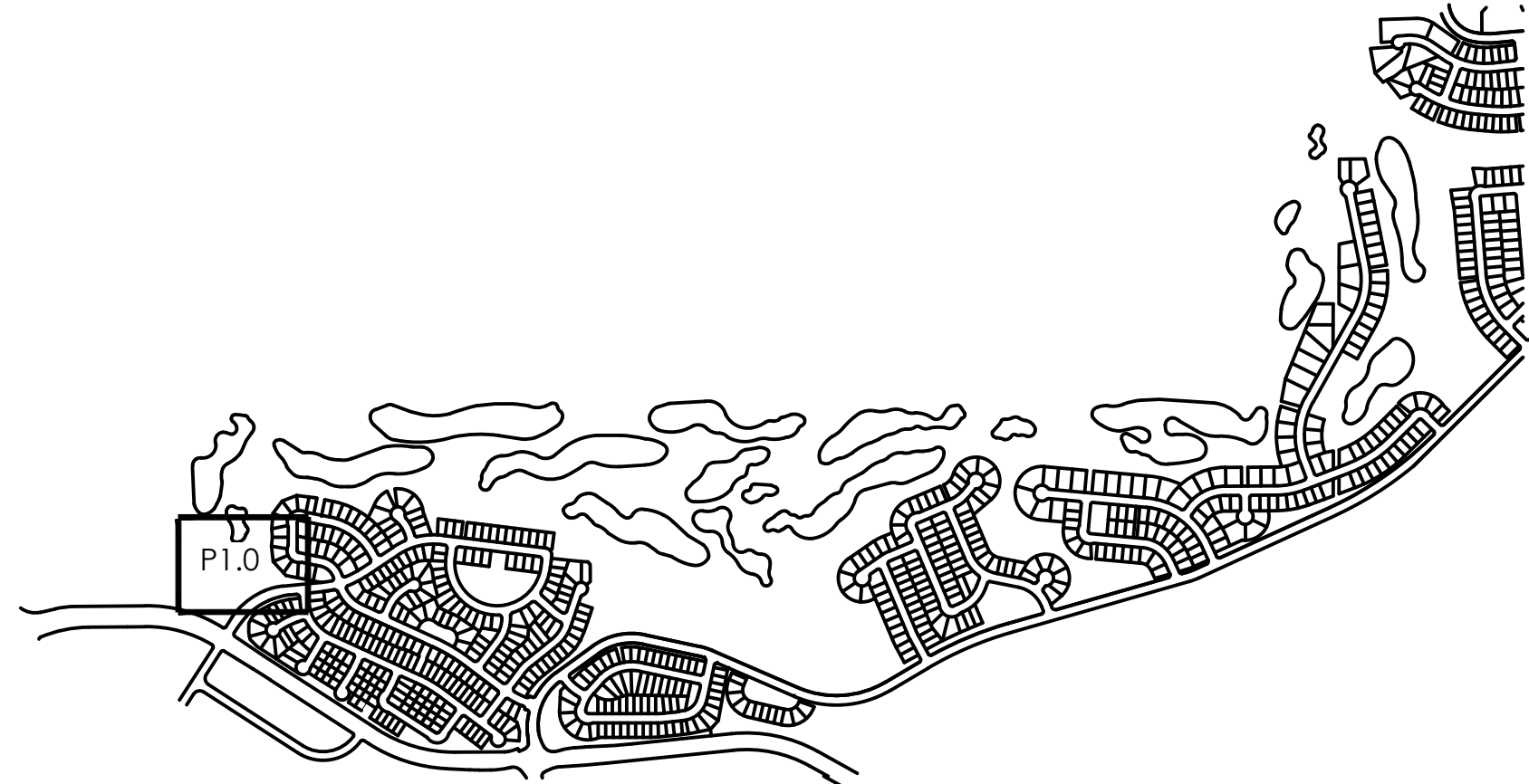


1 | SITE PHOTOMETRIC PLAN
P1.0 | SCALE: 1" = 20'



KEYMAP

- GENERAL NOTES
- A. ON-SITE STREETS AND PARKING AREAS SHALL BE LIT WITH FULL CUT-OFF SHIELDED LUMINAIRE TYPE LIGHTING FIXTURES NO MORE THAN 25 FEET TALL, AND FIXTURES SHALL BE DOWNCAST TYPES WITH FULL CUTOFF SHIELDING.
 - B. ALL POLE-MOUNTED AREA LIGHTS SHALL BE PROVIDED WITH HOUSE-SIDE SHIELDS.
 - C. MAINTAINED AVERAGE ILLUMINANCE VALUES IN PARKING AREAS SHALL BE TWO FOOTCANDLES.
 - D. ILLUMINANCE VALUES SHOWN ARE AT GRADE AND SHOULD BE CONSIDERED USING A LIGHT LOSS FACTOR OF 1.0.

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
DRIVEWAY	✕	1.7 fc	4.1 fc	0.1 fc	41.0:1	17.0:1
MATERIAL STORAGE	✕	1.8 fc	6.3 fc	0.3 fc	21.0:1	6.0:1
PARKING SOUTH-EAST	✕	3.1 fc	5.4 fc	1.5 fc	3.6:1	2.1:1
PARKING WEST	✕	2.1 fc	3.8 fc	0.6 fc	6.3:1	3.5:1
PATH OF EXIT	+	2.4 fc	7.6 fc	1.0 fc	7.6:1	2.4:1

- LIGHTING FIXTURES
- A_d LUMINAIRE TYPE, REFERENCING LUMINAIRE SCHEDULE, TYPICAL ALL FIXTURES. SUBSCRIPT, IF SHOWN, REFERENCES WALL SWITCH OR RELAY/ZONE CONTROL.
 - Q WALL MOUNTED LUMINAIRE
 - Q EXTERIOR AREA LIGHT

NOT FOR CONSTRUCTION

PRAIRIE POINT GOLF
AURORA, COLORADO
SITE PLAN

SHEET TITLE

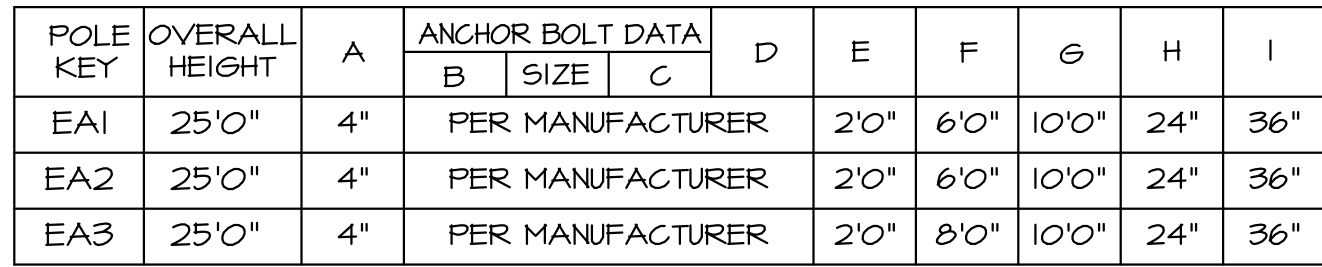
SITE PHOTOMETRIC PLAN

SHEET NUMBER

P1.0

SHEET 68 OF 69

AUGUST 7, 2023



1	POLE BASE DETAIL
P2.0	SCALE: NONE

ABBREVIATIONS: BOF - BOTTOM OF FIXTURE, RFD - RECESSED FIXTURE DEPTH, OFH - OVERALL FIXTURE HEIGHT, AFF(AFG) - ABOVE FINISHED FLOOR (GRADE), WFD - WALL FIXTURE DEPTH

GENERAL NOTES:

A. ALL REFLECTOR LAMPS SHALL BE PROVIDED AS WIDE FLOOD DISTRIBUTION, UON.

B. LUMENS LISTED ARE DELIVERED LUMENS, NOT INITIAL.

C. FOR ALL SPECIFIED LUMINAIRES, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MOUNTING HARDWARE, ACCESSORIES, COMPONENTS, LEADER/JUMPER CABLES, WIRE FEED, CONNECTORS, END CAPS, REMOTE POWER SUPPLIES, AND ANY OTHER NECESSARY COMPONENT AS REQUIRED FOR INSTALLING A SECURE AND FULLY FUNCTIONAL SYSTEM.

D. ALL FINISH SELECTIONS SHALL BE VERIFIED BY ARCHITECT/INTERIOR DESIGNER/OWNER AS PART OF THE SUBMITTAL PROCESS, UNLESS OTHERWISE NOTED, EC SHALL ASSUME STANDARD LUMINAIRE FINISH OPTION FOR PRICING.

E. EC SHALL VERIFY ALL FIXTURE MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ANY ROUGH-IN.

F. REMOTE DRIVERS/(TRANSFORMERS) SHALL BE LOCATED IN A CONCEALED, ACCESSIBLE, AND VENTILATED LOCATION AS PROPOSED BY THE EC AND APPROVED BY THE ARCHITECT.

G. REFER TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR MINIMUM REQUIRED CLEARANCES FROM ADJACENT MATERIALS, AND WIRING REQUIREMENTS TO PREVENT VOLTAGE DROP.

H. DO NOT EXCEED MANUFACTURER'S RECOMMENDATIONS REGARDING FIRE RAGE AND MAXIMUM WIRE RUN LENGTHS.

I. EXTERIOR LUMINAIRES SHALL BE COLD WEATHER RATED FOR 0 DEG. F / -10 DEG. C, AND RATED FOR OUTDOOR USE.

ALTERNATES AND VALUE ENGINEERED LIGHTING FIXTURES AND LIGHTING CONTROLS:

A. CONTRACTOR RESPONSIBILITIES:

1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY COMPATIBILITY OF ALTERNATE OR VALUE-ENGINEERED LIGHTING FIXTURES WITH THE SPECIFIED, ALTERNATE OR VALUE-ENGINEERED LIGHTING CONTROLS, INCLUDING DIMMING COMPATIBILITY.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY COMPATIBILITY OF ALTERNATE OR VALUE-ENGINEERED EMERGENCY LIGHTING SYSTEM WITH THE SPECIFIED, ALTERNATE OR VALUE-ENGINEERED LIGHTING CONTROLS AND FIXTURES, INCLUDING INVERTERS AND UL424 TRANSFER DEVICES REQUIRED FOR A FULLY FUNCTIONAL SYSTEM.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE A LIST OF THE FOLLOWING ITEMS FOR THE SPECIFIED FIXTURE AND PROPOSED ALTERNATES OR VALUE-ENGINEERED LIGHTING FIXTURES PRIOR TO REVIEW: FAILURE TO PROVIDE REQUESTED ITEMS WILL RESULT IN ADDITIONAL WORK BILLED AT HOURLY RATES (SEE D3):
 - CUTSHEETS, AND SUMMARIZED TABLE FIXTURE WATTAGE, DELIVERED LUMEN OUTPUT, DISTRIBUTION/BEAM ANGLE, COLOR TEMPERATURE (CCT), COLOR RENDERING INDEX (CRI)

B. PRIOR APPROVAL REQUEST PRIOR TO BID:

1. THE CONTRACTOR IS REQUIRED TO CALL THE ENGINEER OF RECORD / LIGHTING DESIGNER TO REQUEST APPROVAL TO SUBMIT ALTERNATE OR VALUE-ENGINEERED LIGHTING FIXTURES AND LIGHTING CONTROL SYSTEMS. AE DESIGN'S OFFICE PHONE NUMBER IS (303)236-3034.
2. THE CONTRACTOR IS REQUIRED TO SUBMIT PRELIMINARY SUBMITTAL DRAWINGS OF ALL ALTERNATE OR VALUE-ENGINEERED LIGHTING FIXTURES AND LIGHTING CONTROLS FOR PRIOR APPROVAL FROM THE ENGINEER OF RECORD / LIGHTING DESIGNER 10-DAYS PRIOR TO BID DATE. SUBMITTALS RECEIVED LESS THAN 10-DAYS PRIOR TO BID DATE WILL NOT BE CONSIDERED.
3. ALTERNATES OR VALUE-ENGINEERED LIGHTING FIXTURES OF ANY EXTERIOR LIGHTING FIXTURES ARE REQUIRED TO INCLUDE AN EXTERIOR PHOTOMETRIC PLAN SHOWING COMPARISON WITH THE LOCALLY ADOPTED EXTERIOR LIGHTING ORDINANCE/STANDARD.
4. ALTERNATES OR VALUE-ENGINEERED LIGHTING FIXTURES FOR EMERGENCY APPLICATIONS ARE REQUIRED TO MATCH OR EXCEED THE SPECIFIED LUMEN OUTPUT AND MATCH SPECIFIED DISTRIBUTION OR COMPLY WITH LIGHT LEVELS REQUIRED FOR EGRESS ILLUMINATION AS REQUIRED PER NFPA 101. SPECIFIC CONCERNS ON THE PART OF THE ENGINEER MAY RESULT IN REQUEST FOR PHOTOMETRIC CALCULATIONS TO BE PROVIDED FOR ALTERNATE OR VALUE-ENGINEERED LIGHTING FIXTURES.

C. BID PRICING BREAKOUT REQUIREMENTS:

1. THE CONTRACTOR IS REQUIRED TO PROVIDE SEPARATE LINE ITEMS IN THE BASE BID FOR LIGHTING FIXTURES AND LIGHTING CONTROLS.
2. THE CONTRACTOR IS REQUIRED TO CARRY THE 0AS SPECIFIED LIGHTING FIXTURES AND LIGHTING CONTROLS IN THEIR BASE BID. ALL ALTERNATE OR VALUE-ENGINEERED LIGHTING FIXTURES AND LIGHTING CONTROLS AS NOT TO BE INDICATED AS A NET CHANGE TO THE BASE BID.
3. THE CONTRACTOR IS REQUIRED TO PROVIDE UNIT PRICING FOR EACH 0AS SPECIFIED AND EACH ALTERNATE OR VALUE-ENGINEERED LIGHTING FIXTURE AND LIGHTING CONTROLS. LUMP SUM COST SAVINGS WILL NOT BE ACCEPTED.

D. SUBMITTAL REVIEW AND DOCUMENT

1. THE CONTRACTOR IS REQUIRED TO PAY FOR ANY INCURRED HOURS REQUIRED TO UPDATE THE PERMIT/CONSTRUCTION DOCUMENTS DUE TO ALTERNATE OR VALUE-ENGINEERED LIGHTING FIXTURES AND CONTROLS BY THE ENGINEER OF RECORD / LIGHTING DESIGNER. HOURLY RATE SHALL BE BILLED AT \$135.00/HR.
2. THE CONTRACTOR IS REQUIRED TO PAY FOR ANY INCURRED HOURS TO UPDATE THE ENERGY COMPLIANCE DOCUMENTATION BY THE ENGINEER OF RECORD / LIGHTING DESIGNER. HOURLY RATE SHALL BE BILLED AT \$135.00/HR.
3. THE CONTRACTOR IS REQUIRED TO PAY FOR THE ADDITIONAL HOURS REQUIRED OF THE ENGINEER OF RECORD / LIGHTING DESIGNER TO REVIEW ALTERNATE OR VALUE-ENGINEERED LIGHTING FIXTURES AND CONTROLS. HOURLY RATE SHALL BE BILLED AT \$135.00/HR.

2	EW1, EW2
P2.0	SCALE: NONE

3	EA1, EA2, EA3, EA4, EA5
P2.0	SCALE: NONE