

3/26/2026 2:15:52 PM michelk plant  
C:\projects\2025\25111\_Briargate PKWY Lighting\4.3\_electrical\25111\_Land.dwg  
USER: michelk  
PLOT: 3/26/2026 2:15:52 PM  
PLOTTER: HP DesignJet T1200

Please provide cover sheet with standard signature blocks included.

### ELECTRICAL SYMBOL LEGEND

ALL SYMBOLS SHOWN IN THIS LEGEND ARE NOT NECESSARILY USED ON PLANS

SYMBOL	DESCRIPTION
<b>ANNOTATION</b>	
	POINT OF CONNECTION (POC)
	EQUIPMENT TAG (SEE SCHEDULE)
	ELEVATION BUBBLE
	DETAIL CALLOUT
	SECTION BUBBLE
	COLUMN GRID BUBBLE
<b>CIRCUITING FOR POWER &amp; LIGHTING</b>	
	PANELBOARD(S) AND CIRCUIT NUMBER(S) FOR ROOM/SPACE. UNLESS NOTED OTHERWISE, PROVIDE CONDUCTORS & CONDUIT FOR LIGHT FIXTURES OR RECEPTACLES OR POWER CONNECTIONS (JUNCTION BOXES) SHOWN IN THE ROOM/SPACE FROM THE CIRCUIT(S) LISTED. U.N.O., THERE SHALL BE NO MORE THAN SIX (6) RECEPTACLES ON A SINGLE CIRCUIT.
<b>WIRING AND CONDUIT</b>	
	CONCEALED BRANCH CIRCUIT WIRING. SHORT HATCHES DENOTE HOT OR SWITCH LEG CONDUCTORS. LONG HATCH INDICATES NEUTRAL CONDUCTOR. LONG HATCH WITH SINGLE BARB INDICATES EQUIPMENT GROUNDING CONDUCTOR. NO HATCHES INDICATES ONE HOT, ONE NEUTRAL AND ONE GROUNDING CONDUCTOR
	UNDERGROUND RACEWAY
	CONDUIT DOWN
	CONDUIT UP
	CONTINUATION
	END CAP
	CONNECTION (DOT)
	FLUSH MOUNTED JUNCTION BOX
	FLUSH CEILING MOUNTED JUNCTION BOX
	FLUSH FLOOR OR COUNTER MOUNTED JUNCTION BOX
	GROUND BAR. SUBSCRIPT "T" DENOTES TELECOMM GROUND BAR
<b>DIAGRAMS</b>	
	FUSED SWITCH, AMPERE SWITCH (AS) AND AMPERE FUSE (AF) RATING AS INDICATED
	CIRCUIT BREAKER, 3 POLE (U.N.O.), AMPERE FRAME (AF) AND AMPERE TRIP (AT) RATING AS INDICATED
	GROUNDING ELECTRODE
	GROUNDING TO WATER ENTRANCE
	MEDIUM VOLTAGE DRAW-OUT CIRCUIT BREAKER
	LOW VOLTAGE DRAW-OUT CIRCUIT BREAKER
	MEDIUM VOLTAGE SWITCH
	LOW VOLTAGE SWITCH
	MEDIUM VOLTAGE FUSE
	LOW VOLTAGE FUSE
	REACTOR
	TRANSFORMER
	CURRENT TRANSFORMER
	POTENTIAL TRANSFORMER
	INVERTER/RECTIFIER
	BATTERY STRING
	UPS STATIC SWITCH
	AUTOMATIC TRANSFER SWITCH
	AUTOMATIC TRANSFER SWITCH (DRAW OUT) WITH A BY-PASS ISOLATION SWITCH
	LIGHTNING ARRESTOR
	CAPACITOR
	METER
	DIGITAL POWER METER
	SURGE PROTECTION DEVICE
	GROUND FAULT PROTECTOR
	ARC-ENERGY REDUCTION DEVICE
	ELECTRIC VEHICLE SUPPLY EQUIPMENT

SYMBOL	DESCRIPTION
<b>ELECTRICAL DISTRIBUTION EQUIPMENT</b>	
	EXISTING BRANCH CIRCUIT PANELBOARD
	NEW BRANCH CIRCUIT PANELBOARD
	MOTOR CONTROL CENTER
	MAIN DISTRIBUTION PANEL
	TRANSFORMER
	CONTACTOR
	SERVICE ENTRANCE METER, PLAN VIEW
	ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE) INCLUDING ELECTRIC VEHICLE CHARGING STATION, PLAN VIEW
<b>INTERIOR AND EXTERIOR LIGHTING</b>	
	LIGHTING FIXTURES. UPPER CASE LETTER INDICATES TYPE, LOWER CASE LETTER INDICATES SWITCH LEG, NUMBER DENOTES CIRCUIT AND NL INDICATES NIGHT LIGHT. REFER TO LIGHTING FIXTURE SCHEDULE FOR DETAILS.
	EGRESS LIGHT FIXTURE 1 LAMP CONNECTED TO EMERGENCY POWER SOURCE. EMERGENCY LAMPS WIRED AHEAD OF LOCAL SWITCHING.
	EGRESS LIGHT FIXTURE CONNECTED TO EMERGENCY POWER SOURCE. WIRED AHEAD OF LOCAL SWITCHING.
	POLE MOUNTED LUMINAIRE, SINGLE HEAD. ARROW INDICATES DIRECTIONAL FIXTURE
	POLE MOUNTED LUMINAIRE, DOUBLE HEAD
	GROUND OR WALL MOUNTED FLOOD LIGHT
	SELF-CONTAINED EMERGENCY LIGHTING UNIT WITH TWO HEADS.
	EXIT SIGN, FACES AND DIRECTIONAL ARROWS AS INDICATED ON PLANS
	EXIT SIGN WITH TWO EMERGENCY EGRESS HEADS, DIRECTIONAL ARROWS AS INDICATED ON PLANS
<b>LIGHTING CONTROLS</b>	
	FLUSH MOUNTED SINGLE POLE SWITCH
	FLUSH MOUNTED SWITCH, LOWER CASE LETTER INDICATES SWITCH LEG, UPPER CASE LETTER INDICATES SWITCH TYPE
<b>SWITCH TYPE DESIGNATIONS:</b>	
D = ADJUSTABLE DIMMER	P = PILOT LIGHT
LV = LOW VOLTAGE	T = TIME OPERATED
3 = THREE WAY SWITCH	WP = WEATHER PROOF
4 = FOUR WAY SWITCH	M = MOMENTARY CONTACT
K = KEY PROTECTED	
<b>MECHANICAL EQUIPMENT &amp; CONTROLS</b>	
	MOTOR
	DISCONNECT SWITCH OR SAFETY SWITCH
	MOTOR STARTER
	WALL HEATER
	MOTOR AND DISCONNECT SWITCH
	MOTOR, STARTER AND DISCONNECT SWITCH
	SMOKE DAMPER OR COMBINATION FIRE / SMOKE DAMPER
	MOTOR SNAP SWITCH WITH THERMAL OVERLOAD
	THERMAL OVERLOAD PILOT LIGHT SWITCH
	HORSE POWER RATED MOTOR SNAP SWITCH WITHOUT THERMAL OVERLOAD PROTECTION.
	MULTI-SIGNALING ACCESSORY FOR DUCT DETECTOR ALARM AND TROUBLE SIGNAL
	PUSHBUTTON
	2-WAY START AND STOP PUSHBUTTON
	"OPEN-CLOSE-STOP" PUSH-BUTTON, FURNISHED WITH POWER OPERATED DOOR, INSTALLED BY CONTRACTOR, 42" AFF.

### NOTES TO PLAN REVIEWER:

- A. A FINAL COMMISSIONING REPORT SHALL BE DELIVERED TO THE BUILDING OWNER PER SECTION C408.2.5 OF THE 2021 IECC. COMMISSIONING, REPORT PREPARATION, AND REVIEW OF THIS REPORT ARE NOT IN THE ENGINEER'S SCOPE OF WORK.
- B. ELECTRICAL DESIGN COMPLIES WITH THE MAXIMUM VOLTAGE DROP OF 5% (ACROSS THE COMBINATION OF CUSTOMER-OWNED SERVICE ENTRANCE CONDUCTORS, FEEDERS, AND BRANCH CIRCUITS) PER C405.10 FOR ALL NEW FEEDERS AND BRANCH CIRCUITS. REVIEW OF EXISTING-TO-REMAIN CONDITIONS FOR VOLTAGE DROP IS NOT IN THE ENGINEER'S SCOPE OF WORK.

SYMBOL	DESCRIPTION
<b>POWER RECEPTACLES</b>	
	FLUSH MOUNTED SIMPLEX RECEPTACLE
	FLUSH MOUNTED DUPLEX RECEPTACLE
	FLUSH MOUNTED DOUBLE DUPLEX RECEPTACLE
	FLUSH CEILING MOUNTED DUPLEX RECEPTACLE
	FLUSH FLOOR OR COUNTER MOUNTED DUPLEX RECEPTACLE
	FLUSH FLOOR OR COUNTER MOUNTED DOUBLE DUPLEX RECEPTACLE
	FLUSH MOUNTED IN CASEWORK
	CONNECTED TO DEDICATED CIRCUIT
	FLUSH MOUNTED, WEATHERPROOF, GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE
	FLUSH DUPLEX RECEPTACLE HORIZONTALLY MOUNTED ABOVE COUNTER BACKSPASH
	FLUSH DUPLEX RECEPTACLE WITH USB PORTS, ONE USB TYPE A PORT AND ONE USB TYPE C PORT
	FLUSH MOUNTED GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE
	FLUSH MOUNTED, BLANK FACE, GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE
	HALF-CONTROLLED DUPLEX RECEPTACLE
	FULLY-CONTROLLED DUPLEX RECEPTACLE
	DOUBLE DUPLEX WITH (1) FULLY-CONTROLLED DUPLEX AND (1) UNCONTROLLED DUPLEX RECEPTACLES
	DOUBLE DUPLEX WITH (2) FULLY-CONTROLLED DUPLEX RECEPTACLES
	DOUBLE DUPLEX WITH (1) FULLY-CONTROLLED GFCI DUPLEX AND (1) UNCONTROLLED GFCI DUPLEX RECEPTACLES
	FLUSH MOUNTED SWITCHED DUPLEX RECEPTACLE
	FLUSH MOUNTED ISOLATED GROUND DUPLEX RECEPTACLE, ORANGE
	PLUG MOLD OR WIRE MOLD WITH RECEPTACLES
	FLUSH MOUNTED SPECIAL EQUIPMENT RECEPTACLE
	FLUSH CEILING MOUNTED SPECIAL EQUIPMENT RECEPTACLE
	FLUSH FLOOR OR COUNTER MOUNTED SPECIAL EQUIPMENT RECEPTACLE
	208V RECEPTACLE
	ELECTRICAL POWER POLE OR COMBINATION POWER/TELECOM POLE
<b>TELECOMMUNICATIONS</b>	
	VOICE ONLY OUTLET, PROVIDE 3/4" EMPTY CONDUIT FROM OUTLET BOX INTO CEILING CAVITY. SUBSCRIPT "H" DENOTES OUTLET SHALL BE HORIZONTALLY MOUNTED ABOVE COUNTER. NUMBER INDICATES NUMBER OF PORTS.
	DATA ONLY OUTLET, PROVIDE 3/4" EMPTY CONDUIT FROM OUTLET BOX INTO CEILING CAVITY. SUBSCRIPT "H" DENOTES OUTLET SHALL BE HORIZONTALLY MOUNTED ABOVE COUNTER. NUMBER INDICATES NUMBER OF PORTS.
	FLUSH FLOOR OR COUNTER MOUNTED DATA ONLY OUTLET, SUBSCRIPT SAME AS ABOVE. "CLG" INDICATES CEILING MOUNTED.
	COMBINATION VOICE AND DATA OUTLET, PROVIDE 3/4" EMPTY CONDUIT FROM OUTLET BOX INTO CEILING CAVITY. SUBSCRIPT "H" DENOTES OUTLET SHALL BE HORIZONTALLY MOUNTED ABOVE COUNTER. FIRST NUMBER INDICATES NUMBER OF VOICE PORTS/ SECOND NUMBER INDICATES NUMBER OF DATA PORTS.
	FLUSH FLOOR OR COUNTER MOUNTED COMBINATION VOICE AND DATA OUTLET, SUBSCRIPT SAME AS ABOVE. "CLG" INDICATES CEILING MOUNTED.
	CABLE TV OR SATELLITE TV JACK
	WIRELESS INTERNET ACCESS POINT
	DATA / TELECOM POLE
<b>DEMOLITION</b>	
	CEILING MOUNTED LIGHTING FIXTURE. SUBSCRIPT "R" DENOTES FIXTURE SHALL BE RELOCATED, SEE LIGHTING PLAN
	WALL MOUNTED LIGHTING FIXTURE. SUBSCRIPT "R" DENOTES FIXTURE SHALL BE RELOCATED, SEE LIGHTING PLAN
	2'x4' TROFFER LIGHTING FIXTURE. SUBSCRIPT "R" DENOTES FIXTURE SHALL BE RELOCATED, SEE LIGHTING PLAN
	1'x4' SURFACE MOUNTED LIGHTING FIXTURE. SUBSCRIPT "R" DENOTES FIXTURE SHALL BE RELOCATED, SEE LIGHTING PLAN
	2'x2' TROFFER LIGHTING FIXTURE. SUBSCRIPT "R" DENOTES FIXTURE SHALL BE RELOCATED, SEE LIGHTING PLAN
	TELEPHONE OUTLET. SUBSCRIPT "R" DENOTES OUTLET SHALL BE RELOCATED, SEE SIGNAL PLAN
	DATA OUTLET. SUBSCRIPT "R" DENOTES OUTLET SHALL BE RELOCATED, SEE SIGNAL PLAN
	VOICE / DATA OUTLET. SUBSCRIPT "R" DENOTES OUTLET SHALL BE RELOCATED, SEE SIGNAL PLAN
	RECEPTACLE FOR POWER. SUBSCRIPT "R" DENOTES RECEPTACLE SHALL BE RELOCATED, SEE POWER PLAN
	WALL OR CEILING MOUNTED EXIT LIGHT. SUBSCRIPT "R" DENOTES LIGHT SHALL BE RELOCATED, SEE LIGHTING PLAN
	WALL SWITCH. SUBSCRIPT "R" DENOTES SWITCH SHALL BE RELOCATED SEE LIGHTING PLAN
	JUNCTION BOX. SUBSCRIPT "R" DENOTES JUNCTION BOX SHALL BE RELOCATED, SEE PLANS
	ELECTRICAL PANELBOARD. SUBSCRIPT "R" DENOTES PANEL SHALL BE RELOCATED SEE PLANS
	MOTOR. SUBSCRIPT "R" DENOTES FIXTURE SHALL BE RELOCATED, SEE PLANS
	DISCONNECT OR SAFETY SWITCH. SUBSCRIPT "R" DENOTES FIXTURE SHALL BE RELOCATED, SEE PLANS

SYMBOL	DESCRIPTION
<b>FIRE ALARM SYSTEM</b>	
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR PANEL
	NOTIFICATION APPLIANCE CIRCUIT EXTENDER PANEL POWER SUPPLY
	TRANSPONDER (POWER SUPPLY AMPLIFIER)
	SEMI-FLUSH MOUNTED MANUAL PULL STATION
	SEMI-FLUSH MOUNTED HORN AND STROBE UNIT, WP=WEATHERPROOF
	SEMI-FLUSH MOUNTED STROBE UNIT
	SEMI-FLUSH MOUNTED HORN UNIT
	CEILING MOUNTED PHOTOELECTRIC SMOKE DETECTOR
	CEILING MOUNTED CARBON MONOXIDE DETECTOR
	SEMI-FLUSH MOUNTED SPEAKER AND STROBE UNIT, WP=WEATHERPROOF
	DUCT DETECTOR REMOTE TEST SWITCH
	PHOTOELECTRIC DUCT MOUNTED SMOKE DETECTOR
	CEILING MOUNTED HEAT DETECTOR
	MAGNETIC DOOR HOLDER
	TAMPER SWITCH
	FLOW SWITCH
	ADDRESSABLE INTERFACE MODULE
	REMOTE INDICATING LIGHT
	FIRE ALARM WIRING. SQUARE INDICATES NETWORK CABLE, HATCHES INDICATE 24VDC.
<b>INTERCOM AND SOUND SYSTEM</b>	
	INTERCOM MASTER
	RACK SYSTEM FOR PUBLIC ADDRESS
	CALL-IN SWITCH
	MICROPHONE JACK
	AUXILIARY JACK
	VOLUME CONTROL
	FLUSH CEILING MOUNTED MONITOR SPEAKER
	PUBLIC ADDRESS SYSTEM SPEAKER
	HORN SPEAKER
<b>SECURITY SYSTEM</b>	
	CLOSED CIRCUIT VIDEO SURVEILLANCE CAMERA P=PAN, T=TILT, Z=ZOOM
	CLOSED CIRCUIT VIDEO SURVEILLANCE CAMERA, 360" VIEW
	CARD READER
	CARD READER WITH KEYPAD
	BALANCED MAGNETIC SWITCH
	PASSIVE INFRARED DETECTOR
	INTRUSION SYSTEM SIREN
<b>CLOCK AND PROGRAM SYSTEM</b>	
	CLOCK
	DOUBLE FACE WALL MOUNTED CLOCK
	MASTER CLOCK
<b>HOSPITAL AND SIGNAL SYSTEM</b>	
	PATIENT STATION
	PATIENT STATION WITH PUSHBUTTON IN STATION FOR NURSE USE
	STAFF STATION
	DUTY STATION
	EMERGENCY PULL-CORD STATION
	CARDIAC ARREST PUSHBUTTON STATION
	EMERGENCY PUSHBUTTON STATION
	DOME LIGHT, 1-SECTION
	DOME LIGHT, 2-SECTION
	DOME LIGHT ON CEILING FOR ZONING
	NURSE CALL STATION
	NURSE CALL MASTER PANEL
	NURSE CALL TELEMETRY UNIT
	TERMINAL CABINET FOR CENTRAL PHYSIOLOGICAL MONITORS
	OUTLET FOR REMOTE PHYSIOLOGICAL MONITOR
<b>LIGHTNING PROTECTION SYSTEM</b>	
	AIR TERMINAL
	GROUND ROD
	GROUND ROD IN INSPECTION WELL
	ROOF AND DOWN CONDUCTOR
	COUNTERPOISE CONDUCTOR

### ELECTRICAL ABBREVIATIONS

SYMBOL	DESCRIPTION
A, AMP	AMPERES
AC	ALTERNATING CURRENT
AFC	ABOVE FINISHED CEILING
AF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERES INTERRUPTING CAPACITY (SYMMETRICAL)
BOD	BASIS OF DESIGN
BOF	BOTTOM OF FIXTURE
BFC	BELOW FINISHED CEILING
BWE	BAKED WHITE ENAMEL
C	CONDUIT
CB, C/B	CIRCUIT BREAKER
CCT	CIRCUIT
CLG	CEILING MOUNTED
COFF, CM	COFFEE/ESPRESSO MACHINE
(D), DEMO	DEMOLISH
D, DED	DEDICATED
DC	DIRECT CURRENT
(E), (EX), EX	EXISTING
EC	EMPTY CONDUIT
ECC	EQUIPMENT GROUNDING CONDUCTOR
EMT	ELECTRICAL METALLIC TUBING
EPO	EMERGENCY POWER OFF
EVCS	ELECTRIC VEHICLE CHARGING STATION
EVSE	ELECTRIC VEHICLE SUPPLY EQUIPMENT, CHARGING STATION
EXT.	EXTERIOR
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE METALLIC CONDUIT
FPN	FUSED PER NAMEPLATE
(F)	FUTURE
G	GROUND
G, GND	GROUND BAR
GB	GROUNDING ELECTRODE CONDUCTOR
GEC	GROUNDING ELECTRODE SYSTEM
GES	GROUNDING ELECTRODE SYSTEM
GFCI	GROUND FAULT CIRCUIT INTERRUPTER FOR PERSONNEL
GFP	GROUND FAULT PROTECTION OF EQUIPMENT
GFFA	GROUND FAULT PROTECTION OF EQUIPMENT - ALARM ONLY
GRC	GALVANIZED RIGID CONDUIT
HACR	HEATING, AIR CONDITIONING, REFRIGERATION RATED DEVICE
HP	HORSEPOWER
HRS	HORSEPOWER RATED SWITCH
IMC	INTERMEDIATE METALLIC CONDUIT
INT.	INTERIOR
J-BOX	JUNCTION BOX
KAIC	KILOAMPERES INTERRUPTING CAPACITY (SYMMETRICAL)
KV	KILOVOLTS
KVA	KILOVOLT-AMPS
KVAR	KILOVOLT-AMPS REACTIVE
KW	KILOWATT
LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS AND GROUND FAULT ELECTRONIC TRIP UNIT
MA, mA	MILLIAMPERE
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCS	MOLDED-CASE SWITCH
MGB	MAIN GROUND BAR
MLO	MAIN LUGS ONLY
MM	MILLIMETER
MTD	MOUNTED
MW	MICROWAVE
(N)	NEW
N	NEUTRAL CONDUCTOR (GROUNDED CIRCUIT CONDUCTOR)
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFE	OWNER FURNISHED EQUIPMENT
P	PHASE OR POLE
PNL	PANELBOARD
POS, P.O.S.	POINT OF SALE SYSTEM
PVC	POLYVINYL CHLORIDE CONDUIT (SCHEDULE 40)
(R)	RELOCATE / RELOCATED
RE	REFERENCE, REFER TO
REF	REFRIGERATOR
SCA	SHORT CIRCUIT AVAILABLE
SCCR	SHORT CIRCUIT CURRENT RATING
SEC	SECTION
T, XFMR	TRANSFORMER
TGB	TELECOMMUNICATIONS GROUND BAR
TTB	TELEPHONE TERMINAL BOARD
UC	UNDER COUNTER
UNO, U.N.O.	UNLESS NOTED OTHERWISE
V	VOLTAGE OR VOLTS
W	WATTS
WAP	WIRELESS ACCESS POINT
WCR	WITH-STAND CURRENT RATING
WP	WEATHERPROOF
WT	WIRING TROUGH

ELEVATION	JURISDICTION
6035 FT	COLORADO SPRINGS, COLORADO
YEAR	ADOPTED CODE
2023	REGIONAL BUILDING CODE
2021	INTERNATIONAL BUILDING CODE
2021	INTERNATIONAL FIRE CODE
2021	INTERNATIONAL MECHANICAL CODE
2021	INTERNATIONAL PLUMBING CODE
2021	INTERNATIONAL FUEL GAS CODE
2021	INTERNATIONAL ENERGY CONSERVATION CODE
2023	NATIONAL ELECTRICAL CODE

SHEET	TITLE
E001	ELECTRICAL LEGEND
E101	LIGHTING SITE PLAN - PHASE 1
E102	HORIZONTAL LIGHTING PHOTOMETRICS - PHASE 1 AREA A
E103	HORIZONTAL LIGHTING PHOTOMETRICS - PHASE 1 AREA B
E104	VERTICAL LIGHTING PHOTOMETRICS - PHASE 1 AREA A
E105	VERTICAL LIGHTING PHOTOMETRICS - PHASE 1 AREA B
E106	LIGHTING SITE PLAN - PHASE 2 WEST
E107	LIGHTING SITE PLAN - PHASE 2 EAST
E108	HORIZONTAL LIGHTING PHOTOMETRICS - PHASE 2 AREA A
E109	HORIZONTAL LIGHTING PHOTOMETRICS - PHASE 2 AREA B
E110	HORIZONTAL LIGHTING PHOTOMETRICS - PHASE 2 AREA C
E111	VERTICAL LIGHTING PHOTOMETRICS - PHASE 2 AREA A
E112	VERTICAL LIGHTING PHOTOMETRICS - PHASE 2 AREA B
E113	VERTICAL LIGHTING PHOTOMETRICS - PHASE 2 AREA C

**BRIARGATE PKWY LIGHTING**

**PLANT ENGINEERING CONSULTANTS**

320 WEST FULLMORE STREET COLORADO SPRINGS CO 80907  
719 473 7077  
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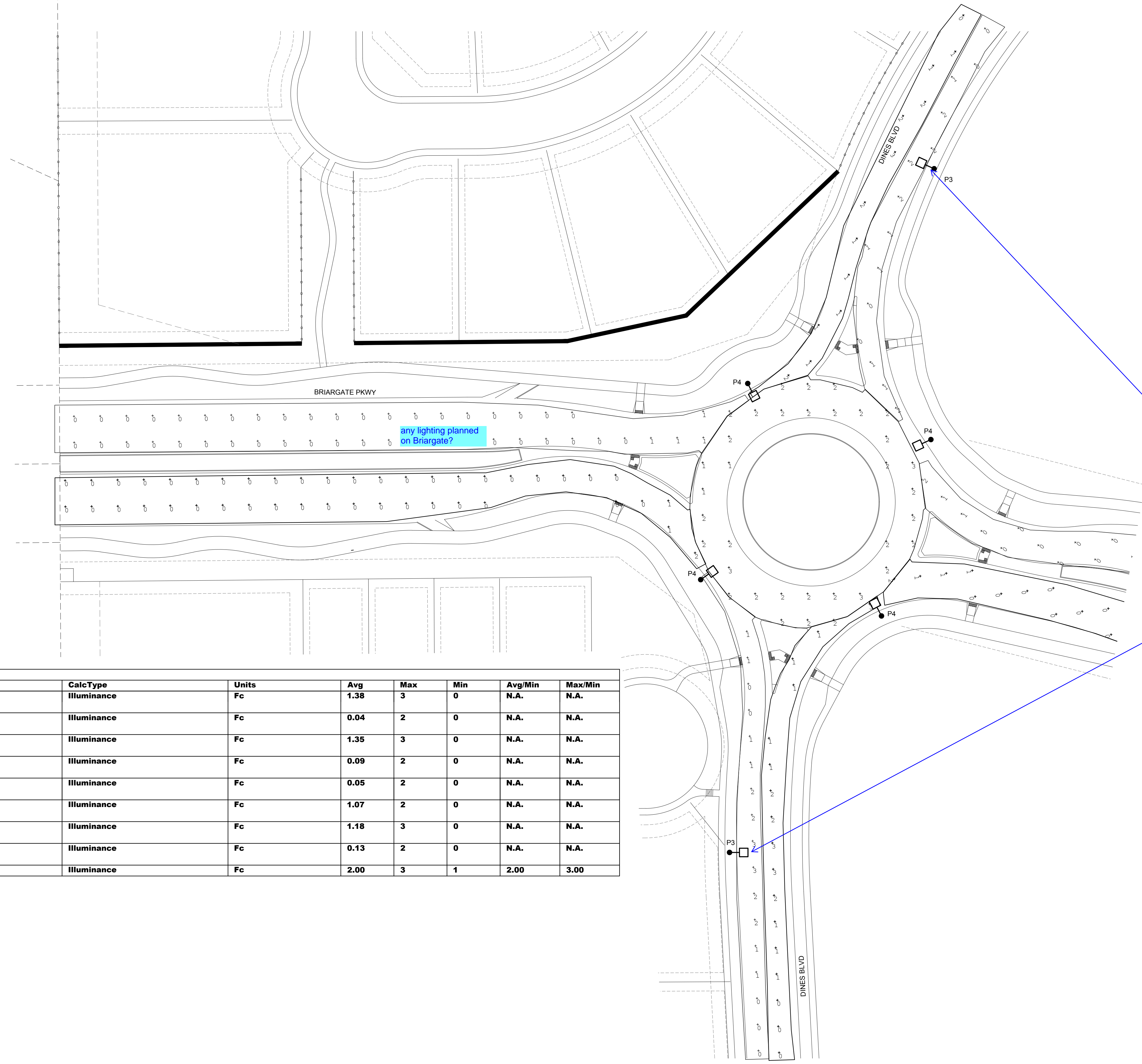
PROFESSIONAL ENGINEER  
3/26/2026  
51074

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E001





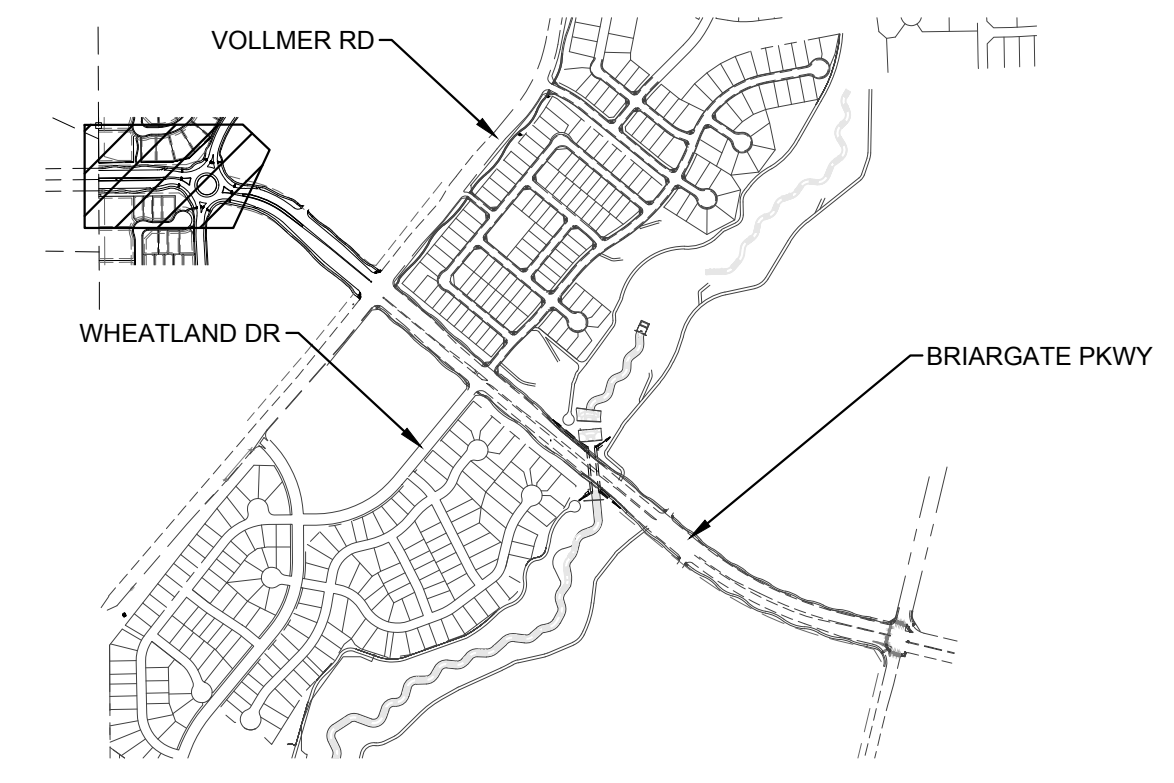
**GENERAL NOTES**

- A. CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO ANY EXCAVATION. NOT ALL EXISTING CONDITIONS ARE SHOWN FOR CLARITY.
- B. CONTRACTOR SHALL PROVIDE ALL REQUIRED CUTTING, TRENCHING, BACKFILLING, AND RESTORATION.
- C. THESE PHOTOMETRIC CALCULATIONS ARE BASED ON MANUFACTURER'S IES FILES AND 0.95 LIGHT DEPRECIATION FACTOR.
- D. ACTUAL ILLUMINANCE LEVELS MAY DIFFER FROM THE FOOT CANDLE LEVELS SHOWN DUE TO VARIABLE FIELD CONDITIONS, SUCH AS NEARBY EXISTING LUMINAIRES, LUMINAIRE DIRT DEPRECIATION, LANDSCAPING, AND FUTURE DEVELOPMENTS.

any lighting planned on Briargate?

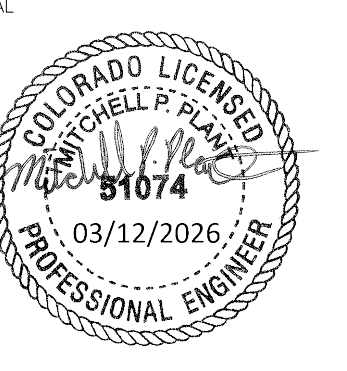
consider relocating these closer to the pedestrian crossings

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Incoming Traffic North Of Roundabout	illumiance	Fc	1.38	3	0	N.A.	N.A.
Incoming Traffic Roundabout and Vollmer Intersection	illumiance	Fc	0.04	2	0	N.A.	N.A.
Incoming Traffic South of Roundabout	illumiance	Fc	1.35	3	0	N.A.	N.A.
Incoming Traffic West Of Roundabout	illumiance	Fc	0.09	2	0	N.A.	N.A.
Outgoing Traffic from Vollmer Intersection to Roundabout	illumiance	Fc	0.05	2	0	N.A.	N.A.
Outgoing Traffic North Of Roundabout	illumiance	Fc	1.07	2	0	N.A.	N.A.
Outgoing Traffic South Of Roundabout	illumiance	Fc	1.18	3	0	N.A.	N.A.
Outgoing Traffic West of Roundabout	illumiance	Fc	0.13	2	0	N.A.	N.A.
Roundabout	illumiance	Fc	2.00	3	1	2.00	3.00



**HORIZONTAL LIGHTING PHOTOMETRICS - PHASE 1 AREA A**  
SCALE: 1" = 40'-0"

**KEY PLAN**  
SCALE: NTS



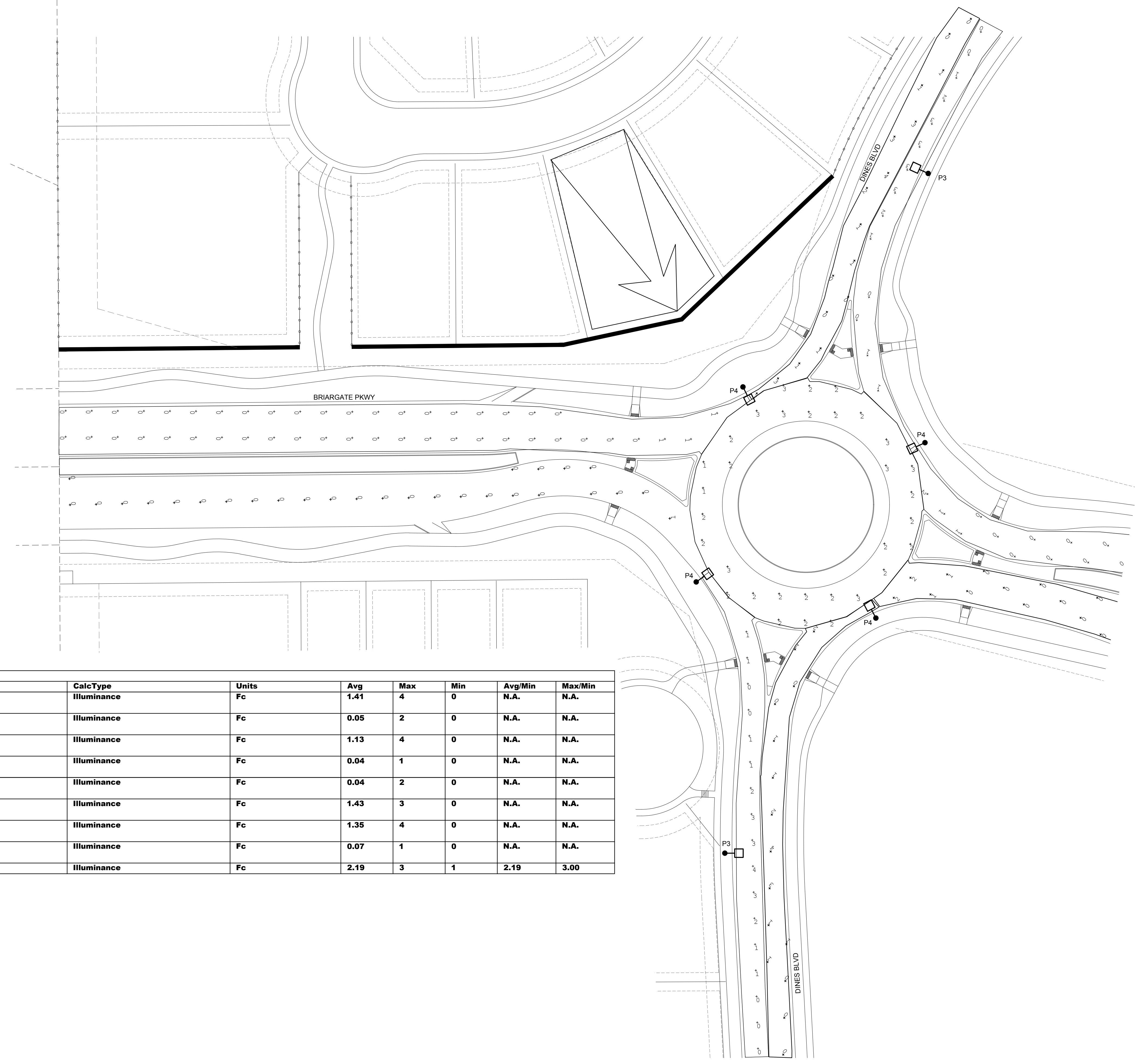
**BRIARGATE PKWY LIGHTING**  
COLORADO SPRINGS, CO 80908

REVISIONS	MARK	DATE	COMMENT
1	Δ	03/26/2026	ISSUE FOR PERMIT

**HORIZONTAL LIGHTING PHOTOMETRICS - PHASE 1 AREA A**

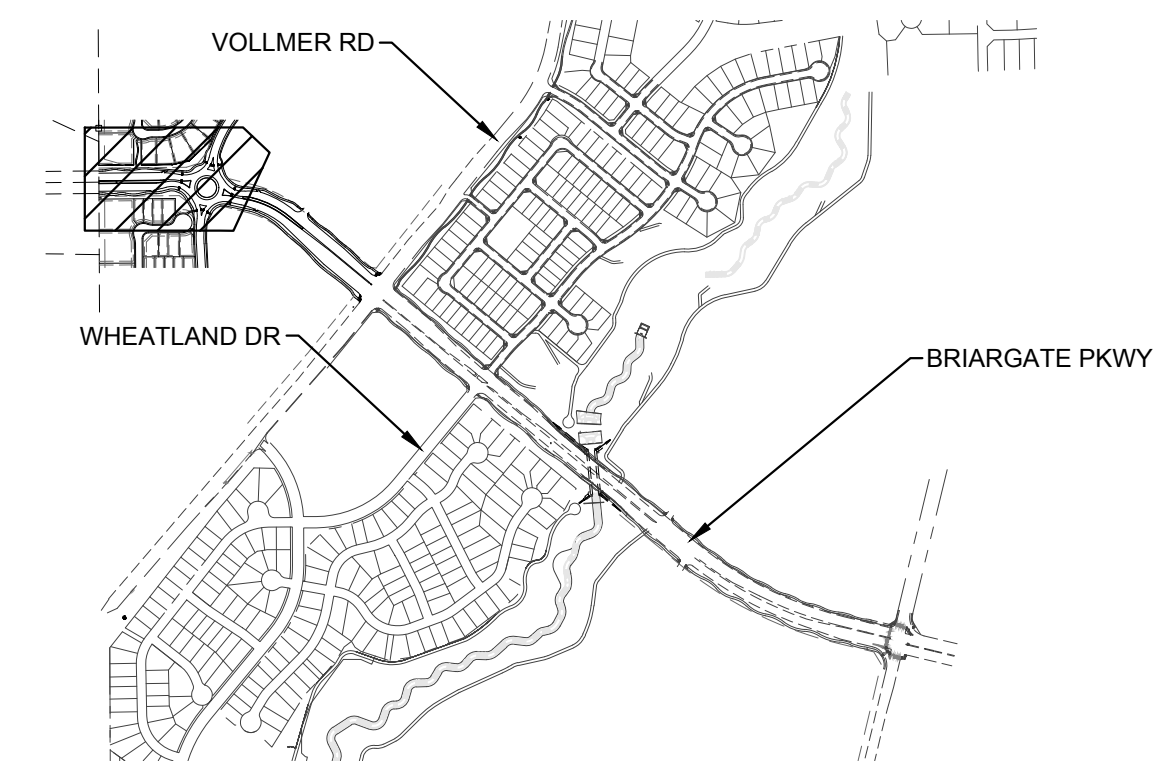
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3/26/2026 10:11:41 AM odajpke auctora  
C:\projects\2025\25111 Briargate pkwy roundabout streetlighting\4 drawing\4.3 auto\4.3.4\_electrical\25111\_La\_102.dwg



**GENERAL NOTES**

- A. CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO ANY EXCAVATION. NOT ALL EXISTING CONDITIONS ARE SHOWN FOR CLARITY.
- B. CONTRACTOR SHALL PROVIDE ALL REQUIRED CUTTING, TRENCHING, BACKFILLING, AND RESTORATION.
- C. THESE PHOTOMETRIC CALCULATIONS ARE BASED ON MANUFACTURER'S IES FILES AND 0.95 LIGHT DEPRECIATION FACTOR.
- D. ACTUAL ILLUMINANCE LEVELS MAY DIFFER FROM THE FOOT CANDLE LEVELS SHOWN DUE TO VARIABLE FIELD CONDITIONS, SUCH AS NEARBY EXISTING LUMINAIRES, LUMINAIRE DIRT DEPRECIATION, LANDSCAPING, AND FUTURE DEVELOPMENTS.



**KEY PLAN**  
SCALE: NTS

Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	
Incoming Traffic North Of Roundabout	Illuminance	Fc	1.41	4	0	N.A.	N.A.	
Incoming Traffic Roundabout and Vollmer Intersection	Illuminance	Fc	0.05	2	0	N.A.	N.A.	
Incoming Traffic South Of Roundabout	Illuminance	Fc	1.13	4	0	N.A.	N.A.	
Incoming Traffic West Of Roundabout	Illuminance	Fc	0.04	1	0	N.A.	N.A.	
Outgoing Traffic from Vollmer Intersection to Roundabout	Illuminance	Fc	0.04	2	0	N.A.	N.A.	
Outgoing Traffic North Of Roundabout	Illuminance	Fc	1.43	3	0	N.A.	N.A.	
Outgoing Traffic South Of Roundabout	Illuminance	Fc	1.35	4	0	N.A.	N.A.	
Outgoing Traffic West of Roundabout	Illuminance	Fc	0.07	1	0	N.A.	N.A.	
Roundabout	Illuminance	Fc	2.19	3	1	2.19	3.00	

**VERTICAL LIGHTING PHOTOMETRICS - PHASE 1 AREA A**  
SCALE: 1" = 40'-0"



**BRIARGATE PKWY LIGHTING**  
COLORADO SPRINGS, CO 80908

REVISIONS	MARK	DATE	COMMENT
1	Δ	03/26/2026	ISSUE FOR PERMIT

**VERTICAL LIGHTING PHOTOMETRICS - PHASE 1 AREA A**

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PROJECT	25111
DATE	03/26/2026
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3/26/2026 10:11:42 AM odspjls.evs@colorado.com  
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