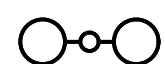
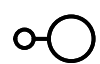



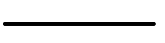


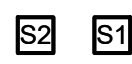

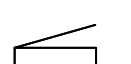
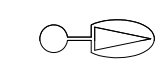

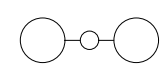
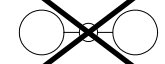
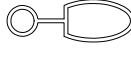

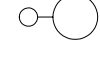




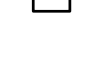



IN CONTRACT
LIGHTING AND ELECTRICAL LEGEND

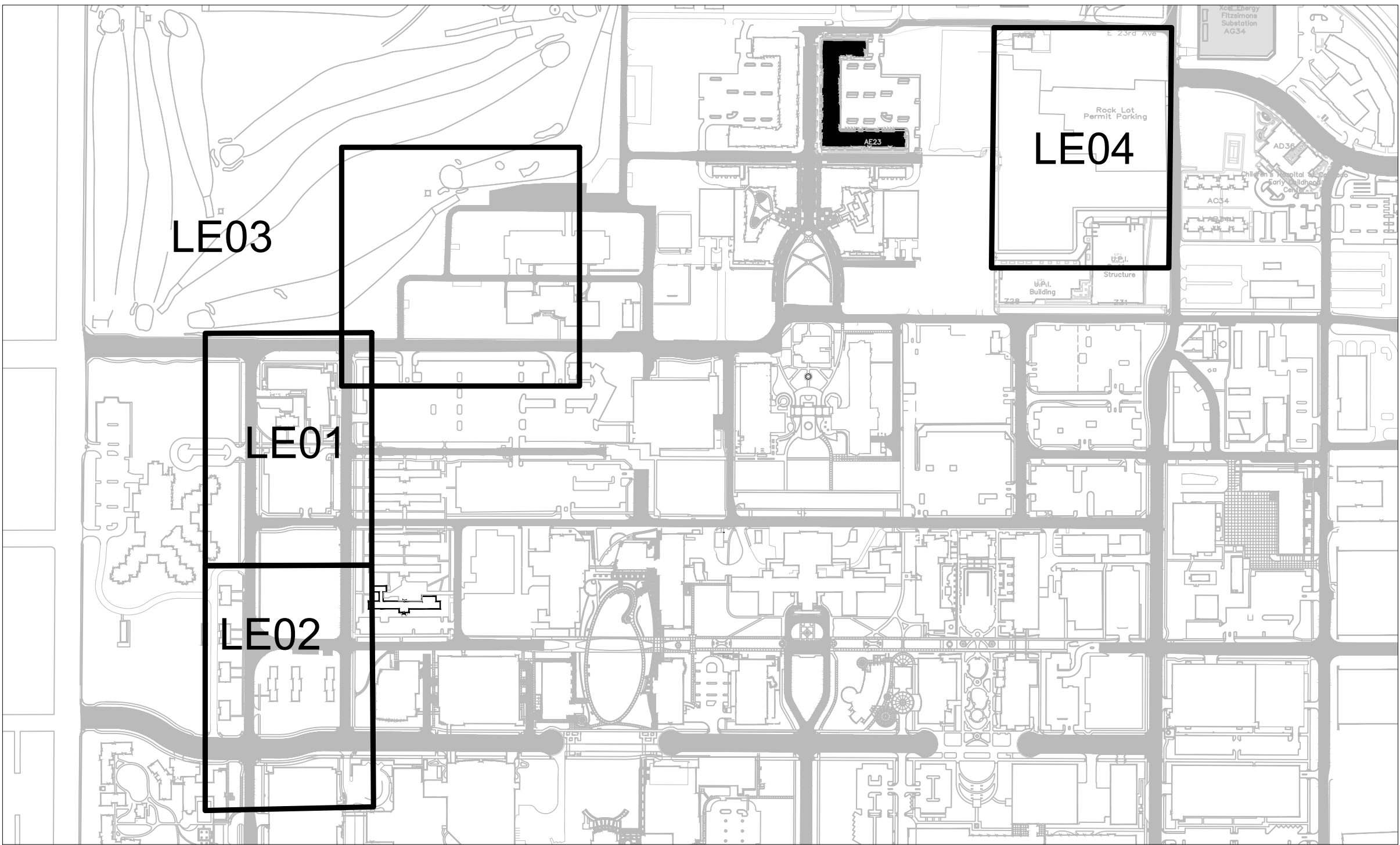
- **NEW TYPE 'A'** LED DOUBLE HEAD GARDCO CAMPUS LIGHT STANDARD ON NEW POLE AND NEW CONCRETE FOUNDATION.
- **NEW TYPE 'B'** LED GARDCO CAMPUS STANDARD LUMINAIRE ON NEW POLE AND NEW CONCRETE FOUNDATION.
- **NEW TYPE 'C'** LED PEDESTRIAN POLE AND NEW CONCRETE FOUNDATION.
- **NEW TYPE 'SL'** LED SOLAR LUMINAIRE OF EXISTING POLE AND NEW CONCRETE FOUNDATION
- EXISTING HPS COBRAHEAD LIGHT STANDARD AND FOUNDATION TO BE REMOVED.
- SCHEDULE 80 PVC IN 24" DEEP TRENCH, BURY AND COMPRESSION BACKFILL, UNLESS NOTED OTHERWISE ON PLANS.
- 3" SCHEDULE 80 PVC SLEEVE ACROSS ROADWAY TERMINATING IN SPLICE BOXES AT EACH END. BORE CONDUIT IF EXISTING ROADWAY IS TO REMAIN AND TRENCH IF NEW ROADWAY IS TO BE INSTALLED.
- HEAVY DUTY, 24"x13"x12" DEEP FLUSH IN GRADE POLYMER CONCRETE SPLICE BOX WITH TRAFFIC RATED, TIER 22, BOLTED COVER LABELED "ELECTRIC"
- LIGHTING CONTROL CENTER COMPLETE WITH METER, METER DISCONNECT, NEMA 4 ENCLOSURE, PANEL WITH LIGHTING CONTACTORS AND CONTROLS.
- EXISTING ELECTRICAL PANEL AS LABELED.

NOT IN CONTRACT FOR INFORMATION ONLY
LIGHTING AND ELECTRICAL LEGEND

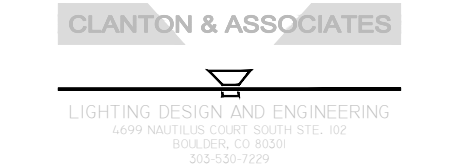
- EXISTING HPS XCEL COBRAHEAD - SHOWN FOR INFORMATION ONLY.
- EXISTING HPS XCEL COBRAHEAD TO BE REMOVED- SHOWN FOR INFORMATION ONLY.
- EXISTING HPS DOUBLE HEAD LIGHT STANDARD-SHOWN FOR INFORMATION ONLY.
- EXISTING MH DOUBLE HEAD LIGHT STANDARD AND FOUNDATION TO BE REMOVED.
- EXISTING HPS COBRAHEAD LIGHT STANDARD TO REMAIN.
- NEW LED COBRAHEAD LUMINAIRE, POLE AND CONCRETE FOUNDATION.
- EXISTING MH GARDCO CAMPUS STANDARD- SHOWN FOR INFORMATION ONLY.
- EXISTING GARDCO CAMPUS LIGHT STANDARD AND FOUNDATION TO BE REMOVED.
- EXISTING TIMBER POLE FOR OVERHEAD ELECTRIC TO BE REMOVED.
- EXISTING MH PEDESTRIAN POLE TO REMAIN.
- EXISTING MH PEDESTRIAN BOLLARD TO REMAIN.
- EXISTING WALL MOUNTED MH LUMINAIRE TO REMAIN.
- EXISTING STEP LIGHT TO REMAIN.

GENERAL NOTES:


1. LIGHT STANDARD LOCATIONS SHOWN ON PLANS ARE APPROXIMATE. REFER TO DETAILS FOR TYPICAL OFFSET DIMENSIONS FROM BACK OF CURB OR EDGE OF SIDEWALK. CONTRACTOR SHALL STAKE LOCATIONS FOR APPROVAL BY CAMPUS ARCHITECT AND ENGINEER PRIOR TO DRILLING FOUNDATIONS.
2. ALL LIGHT POLES AND LUMINAIRES REMOVED SHALL BE RETURNED TO OWNER.



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PURPOSE:	DATE:
Red bid notes	12/6/2023




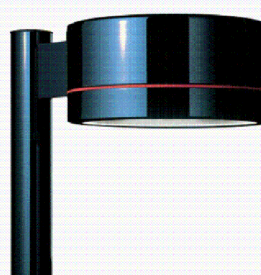

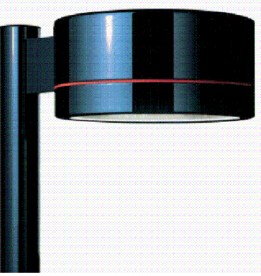


	10-10-2023
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University of Colorado
Anschutz Medical Center
Aurora, Colorado

PREPARED FOR:
PROJECT NUMBER: 23-128743
SHEET NAME: N.A.
SHEET NUMBER: LT01

SCHEDULE OF LIGHTING DEVICES

TYPE	LUMINAIRE			
	PHOTO	MANUFACTURER	DESCRIPTION / NOTES	MOUNTING
A 		Gardco - Form 10 Round	New location, double 22" cylindrical spun aluminum LED, single streetlight. Luminaire shall have a type 3 distribution, 0-10V integral dimming driver, 7-pin ANSI Standard photocell receptacle with shorting cap (for future wireless control node). Provide Campus standard powdercoat paint finish in RAL7038. Luminaire to be UL listed for wet locations. 135W per lamp (270W)	30ft Pole with (2) 1ft Mast Arms
		LUMINAIRE: QTY (2) PER POLE CA22L-48L-900-WW-G3-3-UNV-DD-PC(MOD ANSI 7-PIN + SHORTING CAP)-RAL7038 POLE: NEW POLE TO MATCH EXISTING		
B 		Gardco - Form 10 Round	New location, single 22" cylindrical spun aluminum LED streetlight. Luminaire shall have a type 3 distribution, 0-10V integral dimming driver, 7-pin ANSI Standard photocell receptacle with shorting cap (for future wireless control node). Provide Campus standard powdercoat paint finish in RAL7038. Luminaire to be UL listed for wet locations. 135W consumption.	30ft Pole with 1ft Mast Arm
		LUMINAIRE: QTY (1) PER POLE CA22L-48L-900-WW-G3-3-UNV-DD-PC(MOD ANSI 7-PIN + SHORTING CAP)-RAL7038 POLE: NEW POLE TO MATCH EXISTING		
C 		Gardco - Form 10 Round	New location, 17" semi-spherical spun aluminum post top LED luminaire. Luminaire shall have a type 5 distribution, 0-10v integral dimming driver. Provide Campus Standard powdercoat paint finish in RAL7038. Luminaire to be UL listed for wet locations. 47W consumption.	10ft Post Top
		LUMINAIRE: MP17L-32L-450-WW-G2-5-UNV-DD-RAL7038 POLE: NEW POLE TO MATCH EXISTING		

TABULATION OF APPROXIMATE LIGHTING QUANTITIES

CDOT PAY ITEM	DESCRIPTION	UNIT	QUENTIN STREET	QUENTIN STREET PHASE 1	WRL	ERL	TOTAL
202-00700	REMOVAL OF LIGHT STANDARD	EA			7	14	21
202-00705	REMOVAL OF LIGHT STANDARD FOUNDATION	EA			2	8	10
613-01100	1 INCH ELECTRICAL CONDUIT (PLASTIC)	LF	190	10			200
613-01200	1 1/4 INCH ELECTRICAL CONDUIT (PLASTIC)	LF	1610	187	2110	3290	7197
613-00306	3 INCH ELECTRICAL CONDUIT (BORED)	LF	550	135			685
613-07001	TYPE ONE PULL BOX	EA			1	7	8
613-07002	TYPE TWO PULL BOX	EA	9	4	4		17
613-10000	WIRING	LS	1	1	1	1	4
613-13000	LUMINAIRE (LED) (SPECIAL)	EA				1	1
613-13006	LUMINAIRE (LED) (6,000 LUMENS)	EA	15	2			17
613-13016	LUMINAIRE (LED) (16,000 LUMENS)	EA	5	2	18	34	59
613-30300	LIGHT STANDARD ALUMINUM (10-FOOT)	EA	15	2			17
613-30300	LIGHT STANDARD ALUMINUM (30-FOOT)	EA	5	2	12	22	41
613-40010	LIGHT STANDARD FOUNDATION	EA	20	4	12	22	58
613-04100	ELECTRICAL SYSTEM MODIFICATIONS	LS	1		1	1	3
613-50375	SOLAR COLLECTION SYSTEM	EA				1	1


NOTES:

1. ACTUAL LUMEN OUTPUT IS 5,100 LUMENS.
2. ACTUAL LUMEN OUTPUT IS 15,500 LUMENS.
3. INCLUDES THE PV SOLAR PANELS AND BATTERIES PROVIDED BY MANUFACTURER.
4. THIS PAY ITEM IS FOR THE SOLAR-POWERED LUMINAIRE IN THE EAST ROCK LOT.


ISSUE RECORD / REVISION:
PURPOSE: DATE:

Red bid notes	12/6/2023

CLANTON & ASSOCIATES


LIGHTING DESIGN AND ENGINEERING
1400 NORTH 10TH AVENUE, SUITE 100
BOULDER, CO 80501
303.440.1001

DRAWN BY: 10-10-2023
 ES
CHECKED BY: DS



University of Colorado
Anschutz Medical Center
Aurora, Colorado

PREPARED FOR:

PROJECT NUMBER:
23-128743

SHEET NAME:
N.A.

SHEET NUMBER:

LT02



COMcheck Software Version COMcheckWeb
Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2021 IECC
Project Title: CU Anschutz
Project Type: New Construction
Exterior Lighting Zone: 3 (Other (LZ3))

Construction Site: Owner/Agent: Designer/Contractor:

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts /	D Tradable Wattage	E Allowed Watts (B X C)
Sidewalk (Walkway < 10 feet wide)	1338 ft of	0.6	Yes	803
West Rock A (Parking area)	95091 ft2	0.06	Yes	5705
West Rock B (Parking area)	28348 ft2	0.06	Yes	1701
West Rock C (Parking area)	41769 ft2	0.06	Yes	2506
East Rock (Parking area)	307608 ft2	0.06	Yes	18456

Total Tradable Watts (a) = 29172
Total Allowed Watts = 29172
Total Allowed Supplemental Watts (b) = 500

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 500 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Watt. (C X D)	E (C X D)
Sidewalk (Walkway < 10 feet wide, 1338 ft of walkway length): Tradable Wattage				
LED: pedestrian: LED Roadway-Parking Unit 42W:	1	15	47	705
West Rock A (Parking area, 95091 ft2): Tradable Wattage				
LED: single: LED Roadway-Parking Unit 130W:	1	8	135	1080
LED: double: LED Roadway-Parking Unit 130W:	2	2	270	540
West Rock B (Parking area, 28348 ft2): Tradable Wattage				
LED: double: LED Roadway-Parking Unit 130W:	2	2	270	540
West Rock C (Parking area, 41769 ft2): Tradable Wattage				
LED: single: LED Roadway-Parking Unit 130W:	1	2	135	270
LED: double: LED Roadway-Parking Unit 130W:	2	2	270	540
East Rock (Parking area, 307608 ft2): Tradable Wattage				
LED: single: LED Roadway-Parking Unit 130W:	1	8	135	1080
LED: double: LED Roadway-Parking Unit 130W:	2	13	270	3510
Total Tradable Proposed Watts =				8265

Project Title: CU Anschutz Report date: 10/03/23
Data filename: Page 1 of 5

Exterior Lighting PASSES: Design 72% better than code

Exterior Lighting Compliance

Statement
Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2021 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title Signature Date

Project Title: CU Anschutz Report date: 10/03/23
Data filename: Page 2 of 5



COMcheck Software Version COMcheckWeb
Inspection Checklist

Energy Code: 2021 IECC

Requirements: 0.0% were addressed directly in the COMcheck software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR9] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C406 [PR9] ¹	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the additional energy efficiency package options.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: CU Anschutz Report date: 10/03/23
Data filename: Page 3 of 5

Section # & Req.ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.7 [EL28] ¹	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.7 [EL26] ²	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.8 [EL27] ²	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.9.1, C405.9.2 [EL28] ²	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.10 [EL29] ²	Total voltage drop across the combination of feeders and branch circuits <= 5%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.1.1 [EL30] ²	At least 90% of dwelling unit permanently installed lighting shall have lamp efficacy >= 65 lm/W or luminaires with efficacy >= 45 lm/W or comply with C405.2.4 or C405.3.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	
C405.11, C405.11.1 [EL31] ¹	50% of 15/20 amp receptacles installed in enclosed offices, conference rooms, copy rooms, break rooms, classrooms and workstations and > 25% of branch circuit feeders for modular furniture will have automatic receptacle control in accordance with C405.11.1.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: CU Anschutz Report date: 10/03/23
Data filename: Page 4 of 5

Section # & Req.ID	Final Inspection	Complies?	Comments/Assumptions
C405.5.1 [F119] ¹	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Exterior Lighting fixture schedule for values.
C408.1.1 [F157] ¹	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Project Title: CU Anschutz Report date: 10/03/23
Data filename: Page 5 of 5

ISSUE RECORD / REVISION:
PURPOSE: DATE:

Red bid notes 12/6/2023

CLANTON & ASSOCIATES

LIGHTING DESIGN AND ENGINEERING
1499 NORTH ALABAMA STREET, SUITE 102
BOULDER, CO 80501
303.530.1099

10-10-2023

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Anschutz Medical Center
Aurora, Colorado

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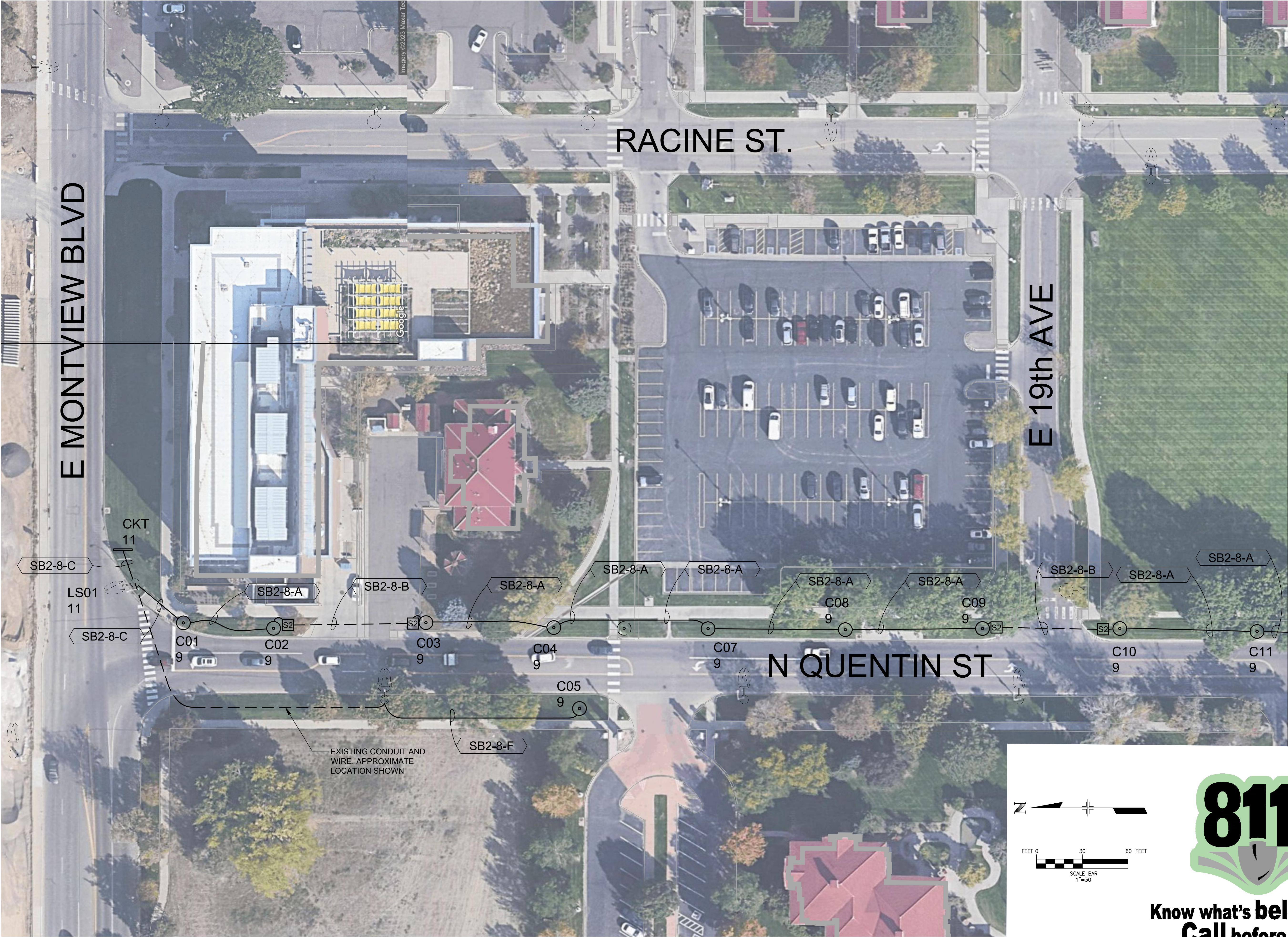
PROJECT NUMBER:

23-128743

SHEET NAME:
N.A.

SHEET NUMBER:

LT03

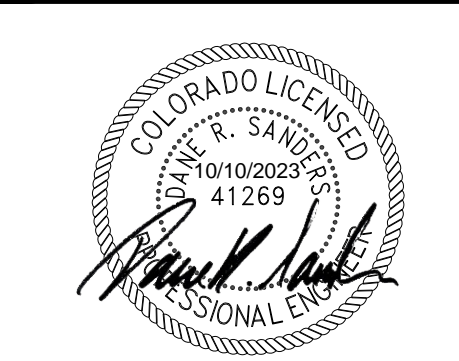


MATCH LINE LE.02

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CLANTON & ASSOCIATES
LIGHTING DESIGN AND ENGINEERING
1449 NORTH GLADYS STREET, SUITE 102
BOULDER, CO 80501
303.440.1099

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Anschutz Medical Center
Aurora, Colorado

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PROJECT NUMBER:

23-128743

SHEET NAME:
N.A.

SHEET NUMBER:

LE.01



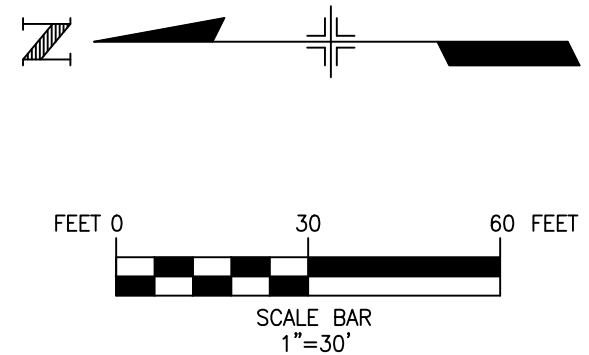
Know what's below.
Call before you dig.

MATCH LINE LE.01



PLAN NOTES

- 1 PULL NEW CONDUCTORS FOR NEW CIRCUITS IN EXISTING 3" CONDUIT FROM SB2-8 TO SPLICE BOX IN MEDIAN.
- 2 PULL NEW CONDUCTORS FOR NEW CIRCUITS IN EXISTING CONDUIT.



Know what's below.
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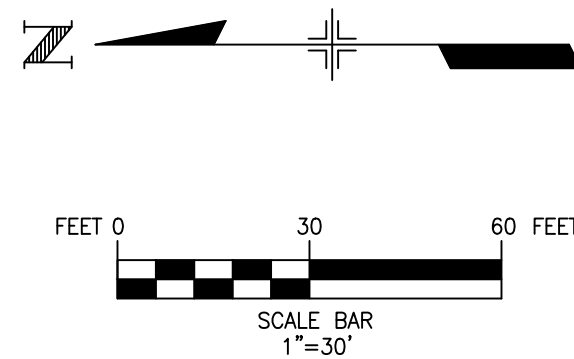
CLANTON & ASSOCIATES
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1400 NORTH 10TH AVENUE, SUITE 100
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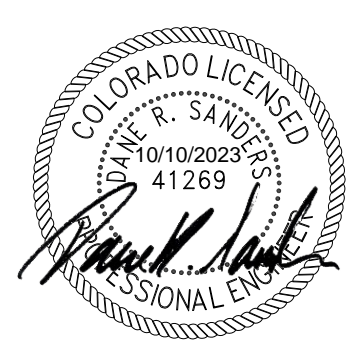
PLAN NOTES

- 1 RE-FEED EXISTING LIGHTS WITH NEW CONDUCTORS IN NEW, UNDERGROUND CONDUIT.

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1400 NORTH 10TH AVENUE, SUITE 100
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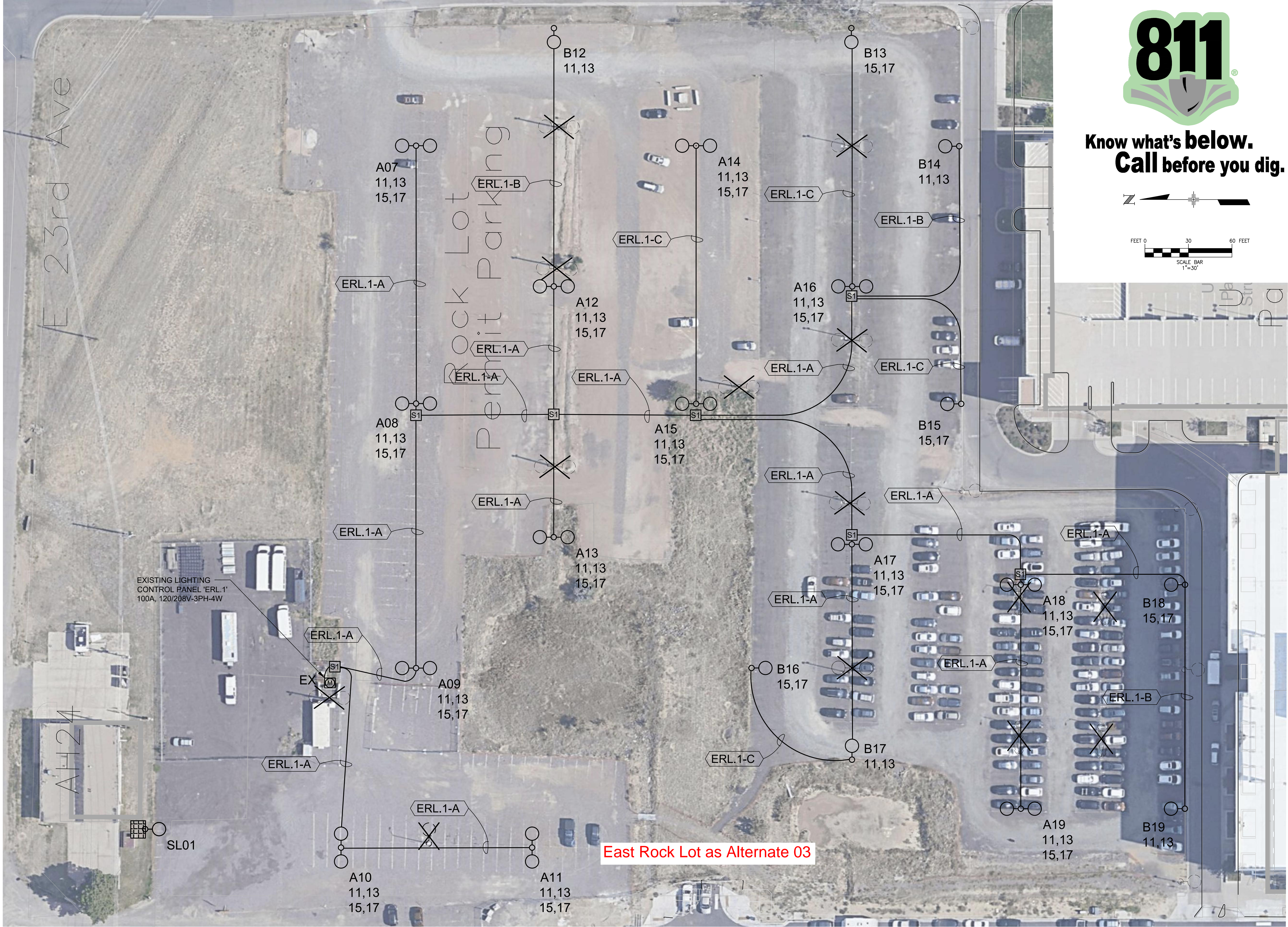
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23-128743

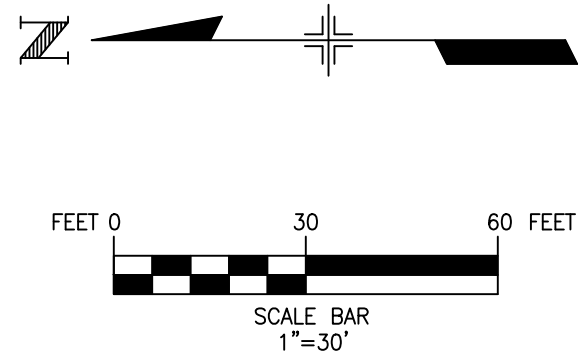
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SHEET NUMBER:

LE.03



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BOULDER, CO 80501
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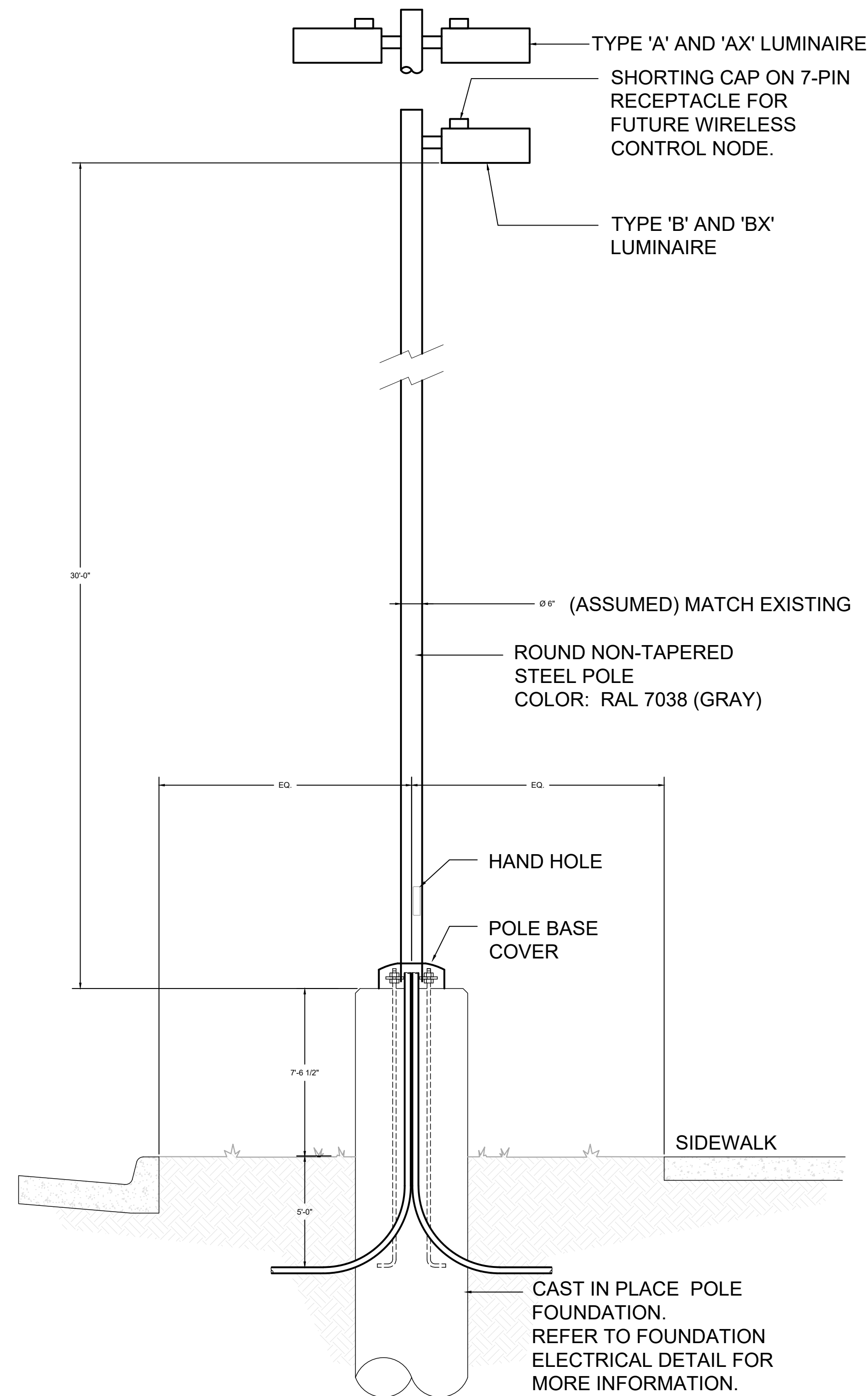
**University of Colorado
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Aurora, Colorado

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PROJECT NUMBER:
23-128743

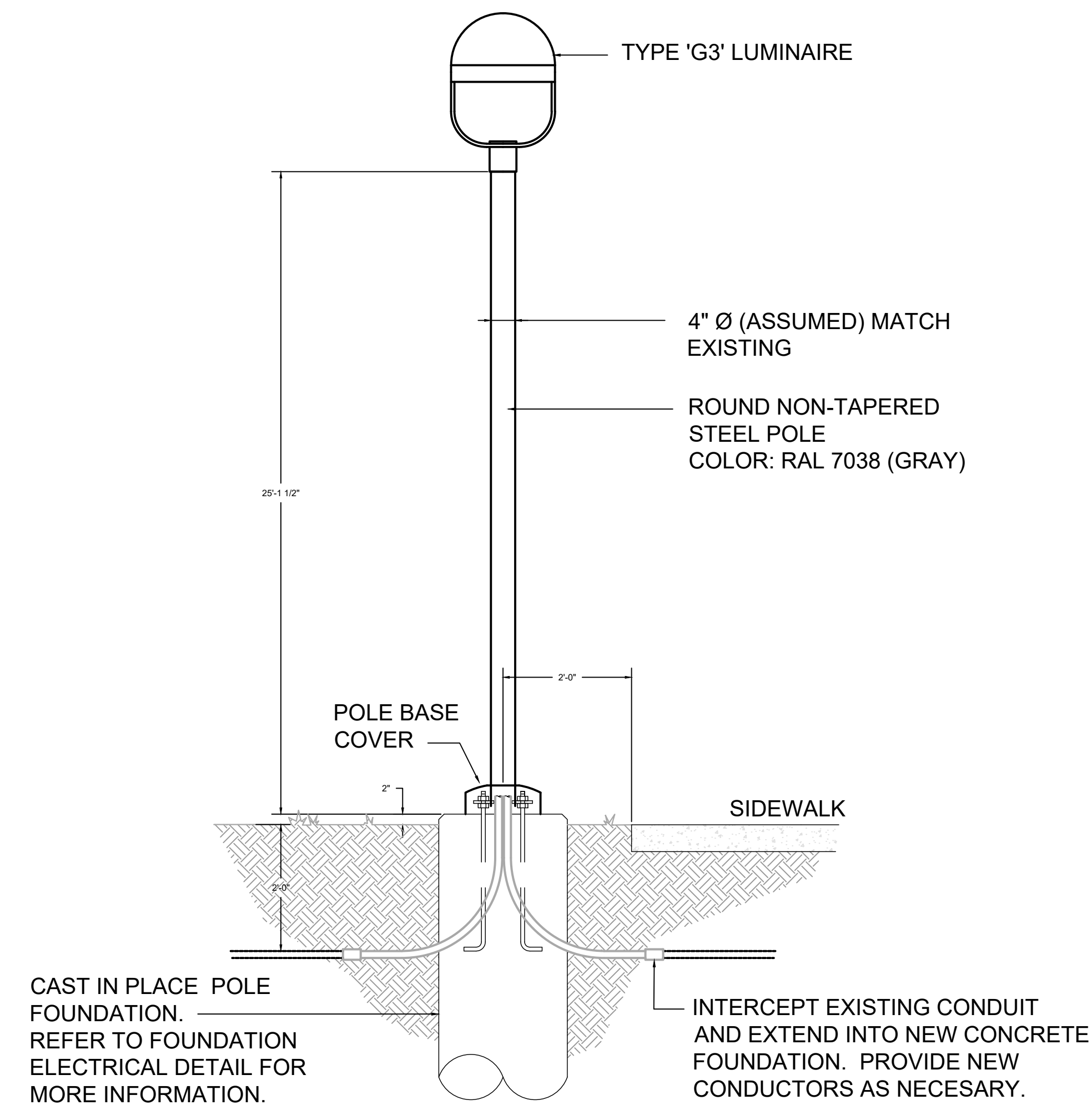
SHEET NAME:
N.A.

SHEET NUMBER:
LE.04



1 **PARKING LOT LIGHT STANDARD ELEVATION**
NOT TO SCALE

○-○ TYPE 'A'
○-○ TYPE 'B'



2 **TYPE 'C' PEDESTRIAN LIGHT STANDARD DETAIL**
NOT TO SCALE

SYMBOL = ○

ISSUE RECORD / REVISION:	
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Red bid notes	12/6/2023



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PROJECT NUMBER:
23-128743

SHEET NAME:

AS NOTED

SHEET NUMBER:
LD.01



SPLICE BOX NOTES


- LABELING MUST BE CAST INTO THE COVER AND NOT AS A SEPARATE INDEPENDENT TAG.

2. ONE CONDUIT PER BUNDLE SHALL HAVE ONE #12 AWG LOCATE WIRE AND A NYLON OR POLYESTER PULL TAPE WITH 1,250 LBS TEST STRENGTH AND FOOTAGE MARKINGS IN ALL EMPTY CONDUITS. LOCATE WIRES SHALL NOT BE INSTALLED IN FIBER OPTIC CONDUITS.



2. SOLAR LIGHTING SYSTEM SHALL BE PAID FOR ON A LUMP SUM BASIS WHICH INCLUDES THE LUMINAIRE, ARM, LIGHT STANDARD AND ALL NECESSARY ELECTRICAL FOR A COMPLETE AND OPERATIONAL SOLAR-POWERED LIGHTING SYSTEM.

1) SOLARY A
NOT TO SCALE

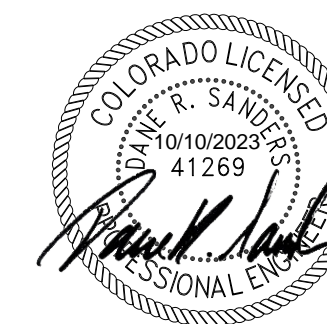
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Red bid notes 12/6/2023

CLANTON & ASSOCIATES

LIGHTING DESIGN AND ENGINEERING
6699 NAUTILUS COURT SOUTH STE. 102
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303.440.1717

10-10-2023
DRAWN BY: ES
CHECKED BY: DS



University of Colorado
Anschutz Medical Center
Aurora, Colorado

PREPARED FOR:

PROJECT NUMBER:

23-128743

SHEET NAME:

AS NOTED

SHEET NUMBER:

LD.02

SB2-8 FEEDER SCHEDULE					
KEY	CIRCUIT NUMBERS	VOLTAGE	WIRE SIZE	COLOR	CONDUIT SIZE & TYPE
SB2-8-A	SB2-8-9	277-HOT,NEU	2#6-THWN-2 CU	ORG. GRY	1 1/4" PVC 24" BELOW GRADE
	SB2-8-11	277-HOT,NEU	2#6-THWN-2 CU	YEL. GRY	
	GROUND	277/480V-GND	1#6-THWN-2 CU	GREEN	
SB2-8-B	SB2-8-9	277-HOT,NEU	2#6-THWN-2 CU	ORG. GRY	3" HDPE BORE 48" BELOW GRADE
	SB2-8-11	277-HOT,NEU	2#6-THWN-2 CU	YEL. GRY	
	GROUND	277/480V-GND	1#6-THWN-2 CU	GREEN	
SB2-8-C	SB2-8-11	277-HOT,NEU	2#6-THWN-2 CU	YEL. GRY	1 1/4" PVC
	GROUND	277/480V-GND	1#6-THWN-2 CU	GREEN	24" BELOW GRADE
SB2-8-D	SB2-8-9	277-HOT,NEU	2#6-THWN-2 CU	ORG. GRY	1 1/4" PVC
	GROUND	277/480V-GND	1#6-THWN-2 CU	GREEN	24" BELOW GRADE
SB2-8-E	SB2-8-9	277-HOT,NEU	2#6-THWN-2 CU	ORG. GRY	3" HDPE BORE
	GROUND	277/480V-GND	1#6-THWN-2 CU	GREEN	48" BELOW GRADE
SB2-8-F	SB2-8-9	277-HOT,NEU	2#6-THWN-2 CU	ORG. GRY	1" PVC
	GROUND	277/480V-GND	1#6-THWN-2 CU	GREEN	24" BELOW GRADE

ERL.1 FEEDER SCHEDULE					
KEY	CIRCUIT NUMBERS	VOLTAGE	WIRE SIZE	COLOR	CONDUIT SIZE & TYPE
ERL.1-A	ERL.1-11,13	208-HOT,HOT	2#4-THWN-2 CU	BLK,BLU	1 1/4" PVC 24" BELOW GRADE
	ERL.1-15,17	208-HOT,HOT	2#4-THWN-2 CU	RED,BLU	
	GROUND	120/208V-GND	1#4-THWN-2 CU	GREEN	
ERL.1-B	ERL.1-11,13	208-HOT,HOT	2#4-THWN-2 CU	BLK,BLU	1 1/4" PVC
	GROUND	120/208V-GND	1#4-THWN-2 CU	GREEN	24" BELOW GRADE
ERL.1-C	ERL.1-15,17	208-HOT,HOT	2#4-THWN-2 CU	RED,BLU	1 1/4" PVC
	GROUND	120/208V-GND	1#4-THWN-2 CU	GREEN	24" BELOW GRADE

WRL.1 FEEDER SCHEDULE					
KEY	CIRCUIT NUMBERS	VOLTAGE	WIRE SIZE	COLOR	CONDUIT SIZE & TYPE
WRL.1-A	WRL.1-1,3	208-HOT,HOT	2#6-THWN-2 CU	BLK,RED	1 1/4" PVC 24" BELOW GRADE
	WRL.1-2,4	208-HOT,HOT	2#6-THWN-2 CU	BLK,RED	
	GROUND	120/208V-GND	1#8-THWN-2 CU	GREEN	
WRL.1-B	WRL.1-1,3	208-HOT,HOT	2#6-THWN-2 CU	BLK,RED	3" HDPE BORE 48" BELOW GRADE
	WRL.1-2,4	208-HOT,HOT	2#8-THWN-2 CU	BLK,RED	
	GROUND	120/208V-GND	1#8-THWN-2 CU	GREEN	
WRL.1-C	WRL.1-1,3	208-HOT,HOT	2#6-THWN-2 CU	BLK,RED	1 1/4" PVC
	GROUND	120/208V-GND	1#8-THWN-2 CU	GREEN	24" BELOW GRADE
WRL.1-D	WRL.1-2,4	208-HOT,HOT	2#8-THWN-2 CU	BLK,RED	1 1/4" PVC
	GROUND	120/208V-GND	1#8-THWN-2 CU	GREEN	24" BELOW GRADE

MOUNTING: PEDESTAL				EXISTING PANEL "SB2-8 IFS-1" / CABINET LABEL "LCP-K08"										480Y/277V-3PH-4W			
				NEMA 3R ENCLOSURE													
FEEDER: BOTTOM				Minimum A.I.C.= 14000 AMPS										125 AMP MAIN CIRCUIT BREAKER			
BRANCH BREAKER																	
		LEFT PHASE LOAD						RIGHT PHASE LOAD									
DESCRIPTION	Size	P	Ckt#	A-PH	B-PH	C-PH	A-PH	B-PH	C-PH	Ckt#	Size	P	DESCRIPTION	Size	P	DESCRIPTION	
SPACE		1	1							2			SPACE				
SPACE		1	3							4			SPACE				
SPACE		1	5							6			SPACE				
SPACE		1	7				6648			8	40		LIFT STATION AT 16TH AND QUENTIN				
SPACE		1	9					6648		10			LIFT STATION AT 16TH AND QUENTIN				
SPACE		1	11						6648	12		3	LIFT STATION AT 16TH AND QUENTIN				
SB2-8 IFS2	80		13	4150			9972			14	60		STEAM VAULTS 9 THRU 13				
SB2-8 IFS2			15		2625			9972		16			STEAM VAULTS 9 THRU 13				
SB2-8 IFS2		3	17			3015			9972	18		3	STEAM VAULTS 9 THRU 13				
				4150	2625	3015	16620	16620	16620								
				20770	19245	19635	Total Connected V.A										
								59650	=Total Connected VA all (3) Phases								
LOAD		CONNECTED		D.FACT.	Est. KVA		AMPS										
LIGHTING		0 VA		1.25	0.00				<div>0 VA=Total Receptacle Load</div> <div>NOTE:</div>								
RECEPTACLES (1ST 10000)		0 VA		1.00	0.00												
RECEPTACLES (REMAINING)		VA		0.50	0.00												
MOTOR (LARGEST)		19944 VA		1.25	24.93												
MOTORS (REMAINING)		0 VA		1.00	0.00												
ELECTRICAL HEATING		29916 VA		1.25	37.40												
ELECTRICAL MISC.		9790 VA		1.00	9.79												
TOTAL ESTIMATED LOAD		59650 VA			72.12	87											