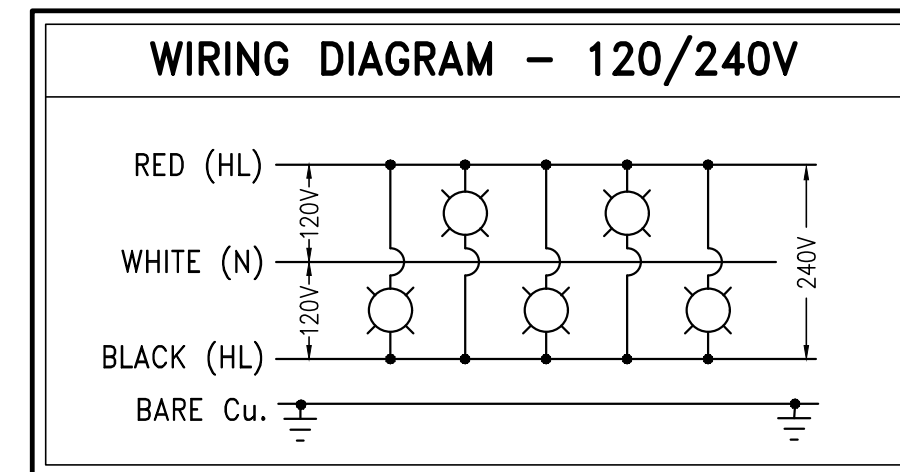
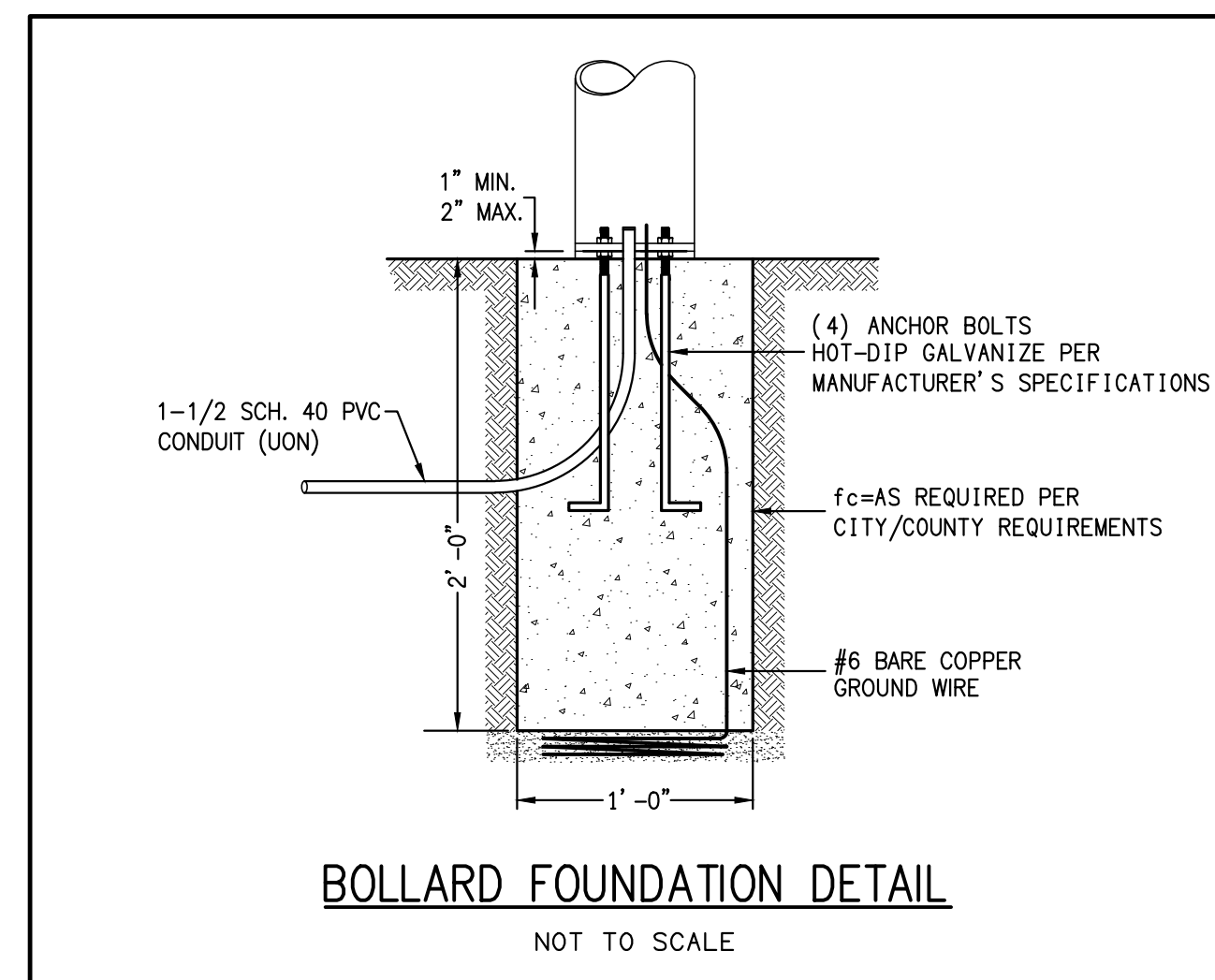
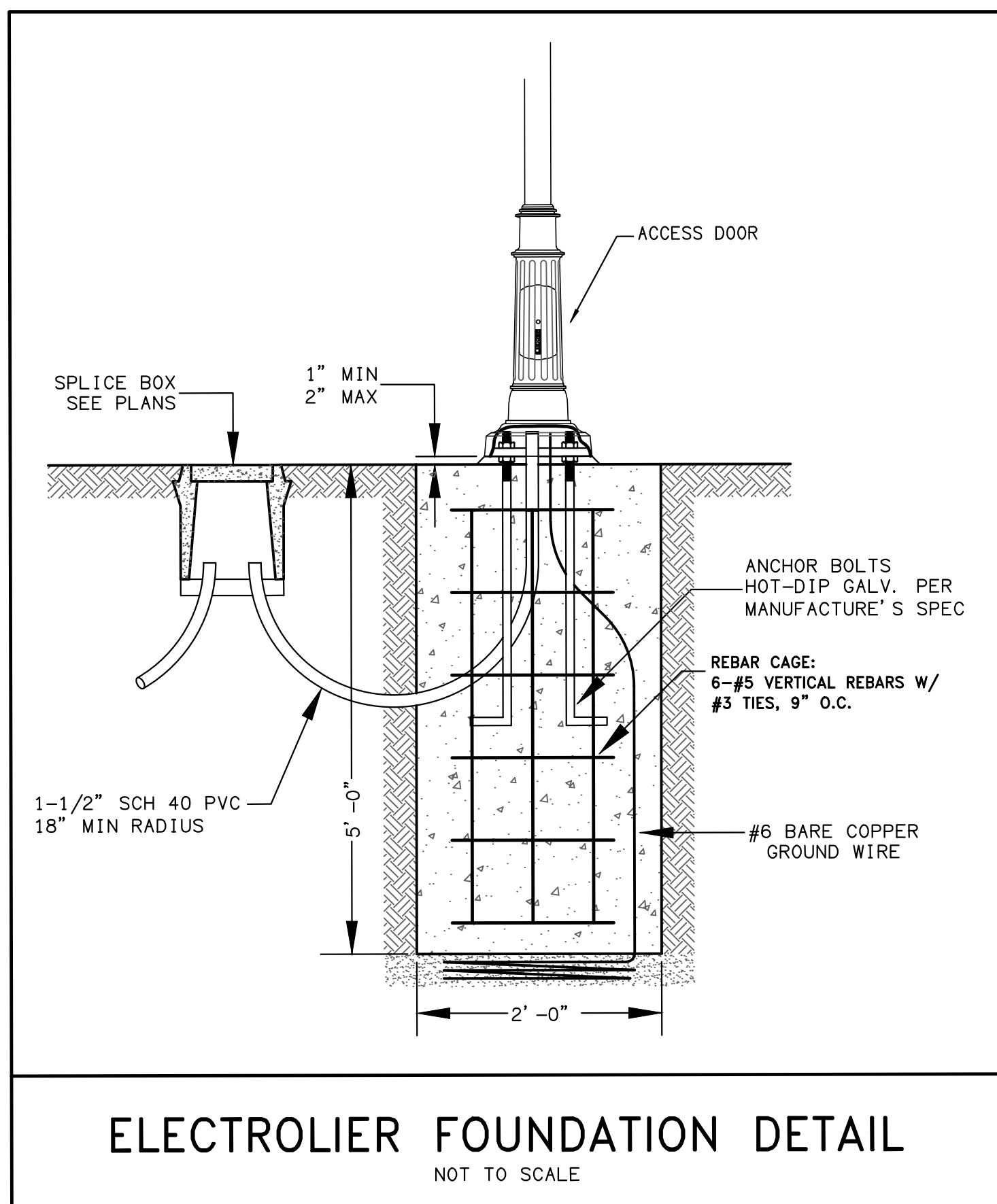
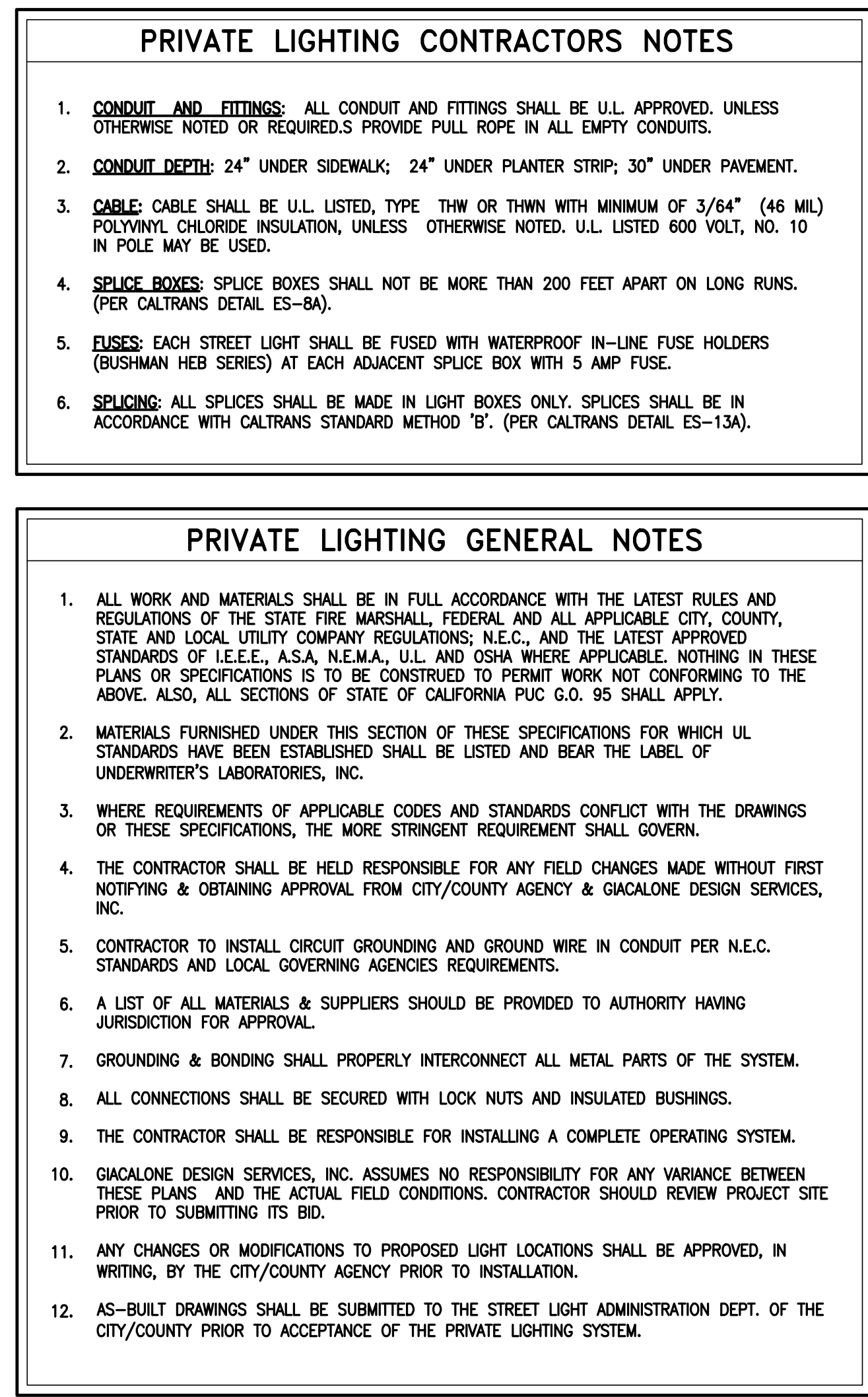
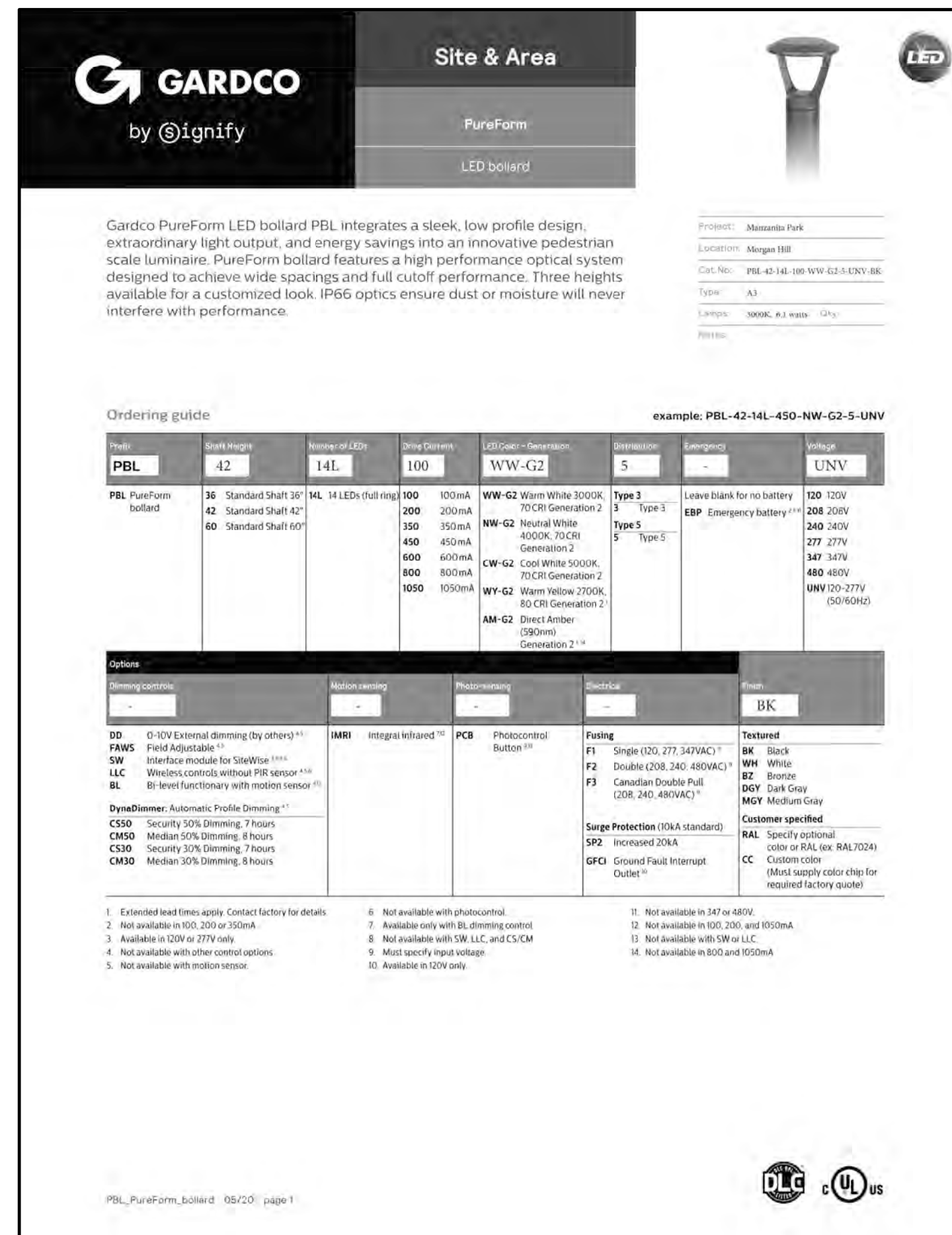
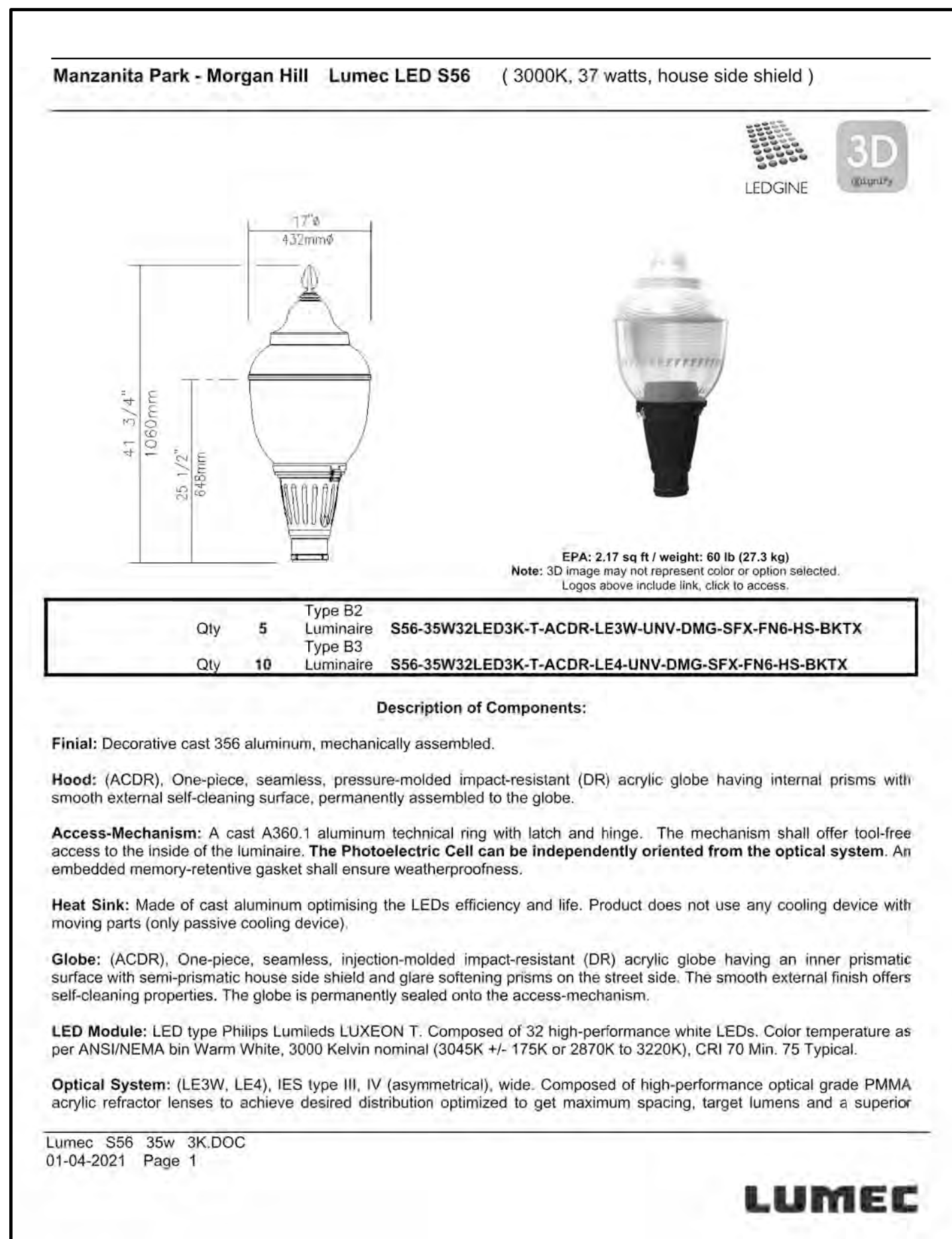
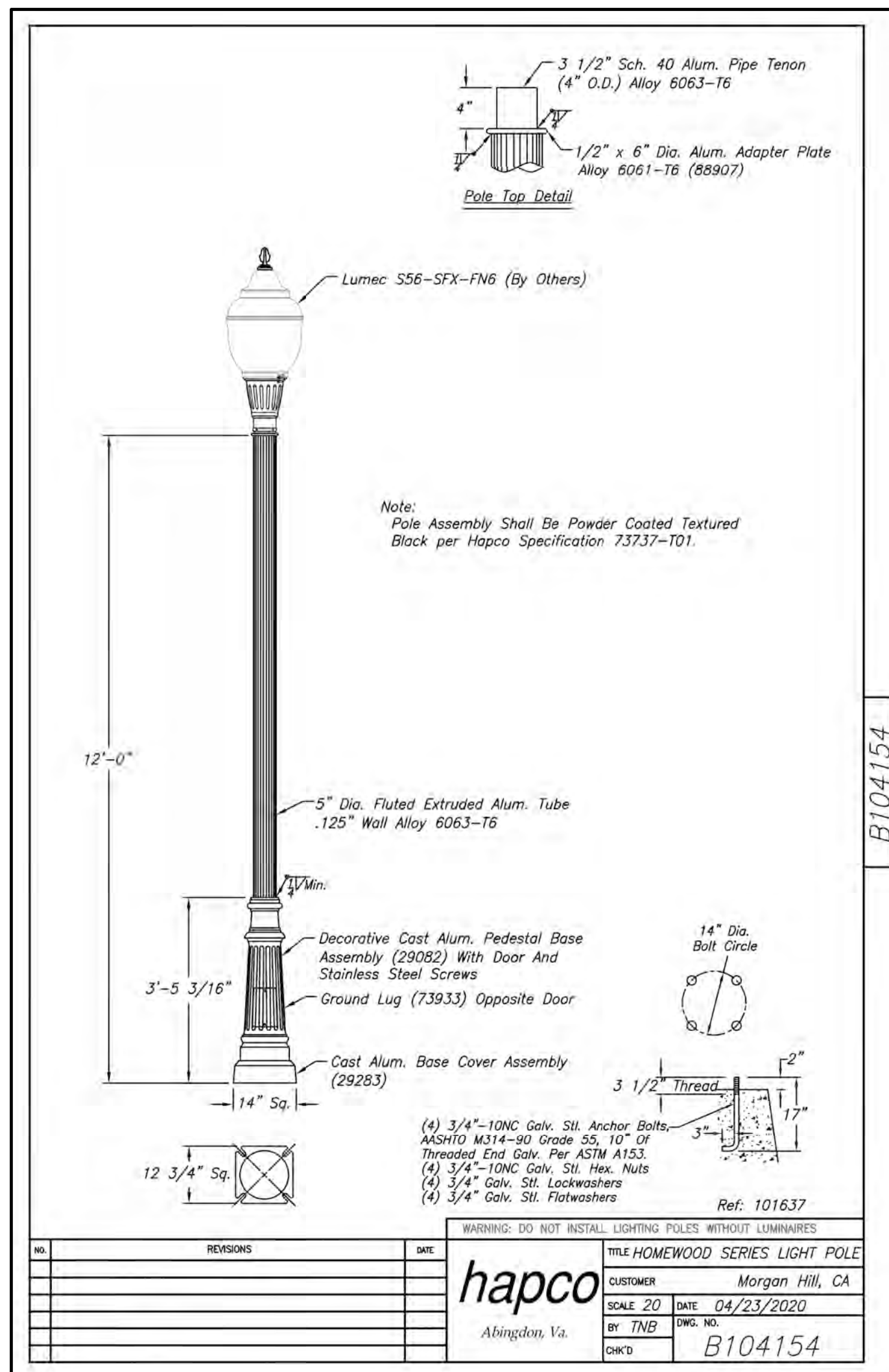


MANZANITA PARK - TILTON AVENUE - PRIVATE STREET LIGHTING



PUBLIC/PRIVATE LIGHTING: ☒ PRIVATE

PG&E RATE SCHEDULE: ☒ METER

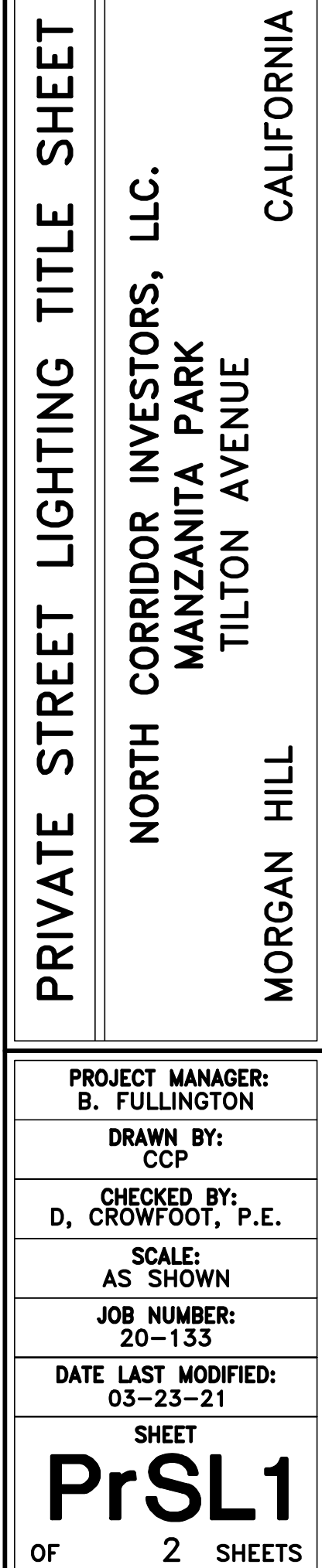
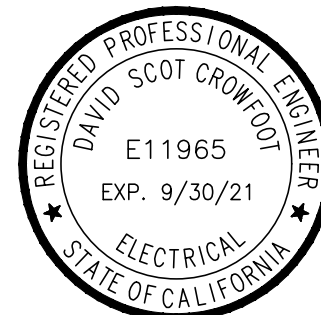
INSTALL IN JOINT TRENCH: ☐

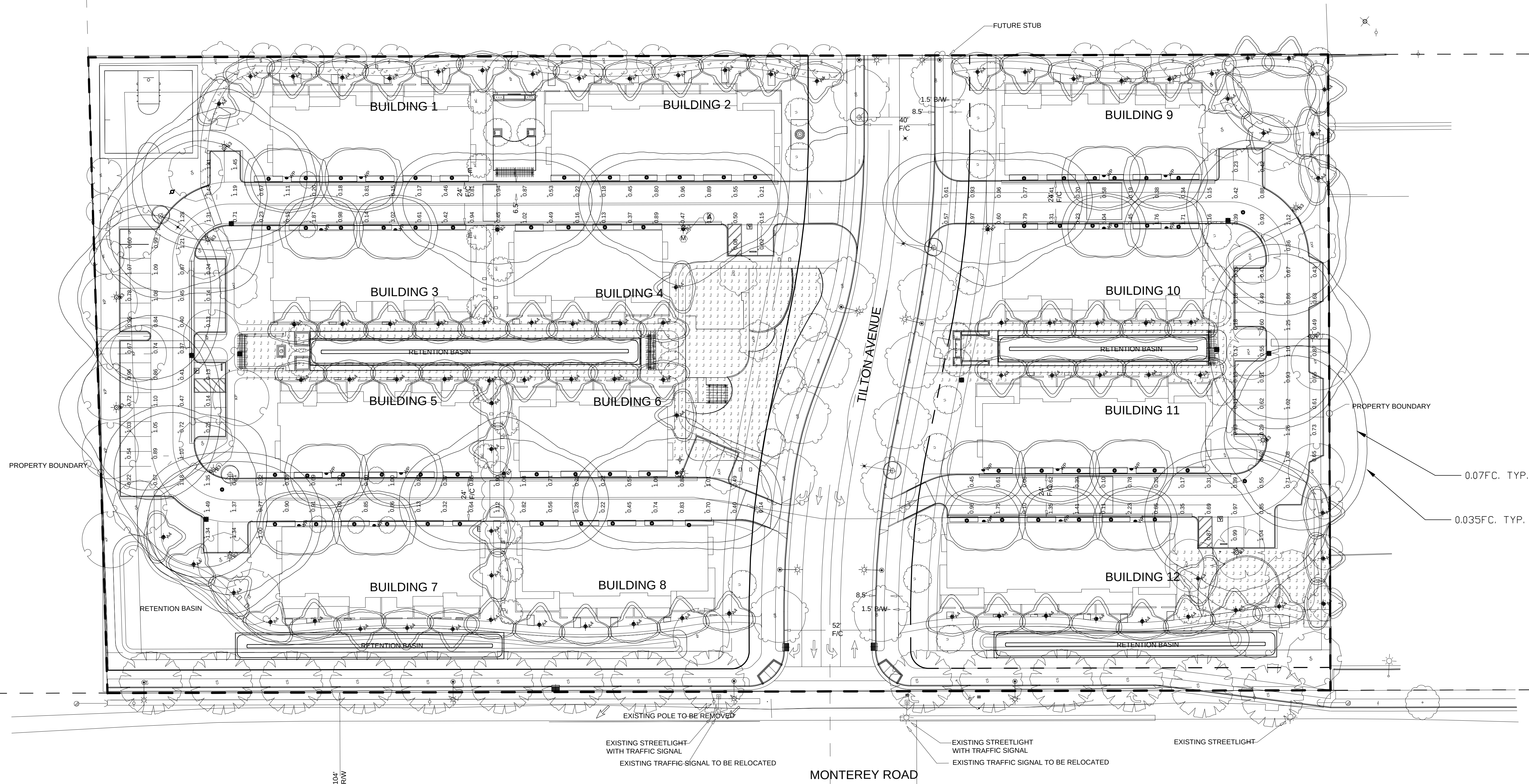
INSTALL IN SEPARATE TRENCH: ☒

CITY PERMIT REQUIRED: ☒

CAUTION:

CONTACT U.S.A. (811) (2) FULL WORKING DAYS PRIOR TO STARTING WORK IF EXISTING UTILITIES CONFLICT WITH POLE LOCATION, FIELD ADJUST TO CLEAR EXISTING UTILITIES A MINIMUM OF 3'-0".





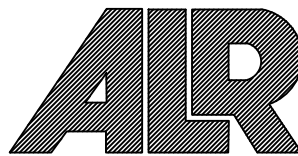
Luminaire Schedule - LED										
Project: MANZANITA PARK - MORGAN HILL										
Symbol	Qty	Label	Arrangement	Lum. Watts	Lum. Lumens	LLF	LLD	LDD	UDF	Description
	87	A4	SINGLE	6.1	492	0.900	0.900	1.000	1.000	GARCOO PBL-36-14L-100-NW-G2-3-UNV
	5	B2	SINGLE	35	2691	0.900	0.900	1.000	1.000	LUMEC S56-35W32LED3K-T-LE3W-HS-12' POLE
	10	B3	SINGLE	35	2851	0.900	0.900	1.000	1.000	LUMEC S56-35W32LED3K-T-LE4-HS-12' POLE
	18	WP	SINGLE	13	1247	0.900	0.900	1.000	1.000	WILLIAMS VWMH-L10-740-EDD-INV-UNV @ 8'
										Filename
										PBL-14L-100-NW-G2-3-UNV.ies
										SSx-35W32LED3K-T-LE3W-HS.IES
										SSx-35W32LED3K-T-LE4-HS.IES
										VWMH-L10-740.IES

Calculation Summary									
Project: MANZANITA PARK - MORGAN HILL									
Description	CalcType	Units	Grid Z	Avg	Max	Min	Avg/Min	Max/Min	
ALLEYS DRIVES AND PARKING AREAS	Illuminance	Fc	0	0.70	5.04	0.02	35.00	252.00	
TYPICAL CENTRAL PATHWAYS	Illuminance	Fc	0	0.79	9.54	0.00	N.A.	N.A.	
TYPICAL REAR OF BUILDING PATHWAYS	Illuminance	Fc	0	1.82	9.09	0.09	20.22	101.00	

ALL VALUES SHOWN ARE MAINTAINED HORIZONTAL FOOTCANDLES AT GRADE

PHOTOMETRIC DATA USED AS INPUT FOR THESE CALCULATIONS IS BASED ON ESTABLISHED IES PROCEDURES AND PUBLISHED LAMP, RATINGS, FIELD PERFORMANCE WILL DEPEND ON ACTUAL LAMP, BALLAST, ELECTRICAL, AND SITE CHARACTERISTICS.

Calculations have been performed according to IES standards and good practice. Some differences between measured values and calculated results may occur due to tolerances in calculation methods, testing procedures, component performance, measurement techniques and field conditions such as voltage and temperature variations. Input data used to generate the attached calculations such as room dimensions, reflectances, furniture and architectural elements significantly affect the lighting calculations. If the real environment conditions do not match the input data, differences will occur between measured values and calculated values.



ASSOCIATED LIGHTING REPRESENTATIVES, INC.
7777 PARDEE LANE
P.O. BOX 2265
OAKLAND, CA 94621
PHONE: (510) 638-0158 - FAX (510) 638-2908

REPORT FOR: GIACALONE DESIGN SERVICES
BY: APPLICATIONS ENGINEERING; RAMON ZAPATA
SALES REPRESENTATIVE: ALR; JOHN BENSON



AGI32 VERSION 19.14
AGI (C) 2020 LIGHTING ANALYSTS, INC.
10268 W. CENTENNIAL ROAD, SUITE 202
LITTLETON, CO 80127

PROJECT DESCRIPTION

MANZANITA PARK
CITY OF MORGAN HILL

DRAWING NO. / INPUT FILE
18170BEN-R1.DWG / 18170BEN-R1.A32

SCALE	SHEET	DATE	REV
1" = 30'	1 OF 1	12.18.2020	1

[illegible]

Luminaire Schedule								
Symbol	Arm	Qty	Label	Arrangement	LMF	Lum. Lumens	Lum. Watts	Part Number
	8	6	2MB-8	SINGLE	1.000	4725	53	STR-LWY-2MB-HT-03-E-UL-SV-525-40K-R-UTL w/XA-XSLBLSXX
	10	8	2MB-10b	SINGLE	1.000	7839	86	STR-LWY-2MB-HT-05-E-UL-SV-525-40K-R-UTL w/XA-XSLBLSXX

Calculation Summary (Footcandles calculated using predicted lumen values @ 50K hrs of operation)						
Label	Units	Avg	Max	Min	Avg/Min	Max/Min
Monterey	Fc	0.64	1.5	0.0	N.A.	N.A.
Tilton	Fc	1.08	1.8	0.3	3.60	6.00

*** CUSTOMER TO VERIFY ORDERING INFORMATION AND CATALOGUE NUMBER PRIOR TO PLACING ORDER ***

POLES & TENONS BY OTHER
Contractor to verify mounting and voltage prior to placing order.

