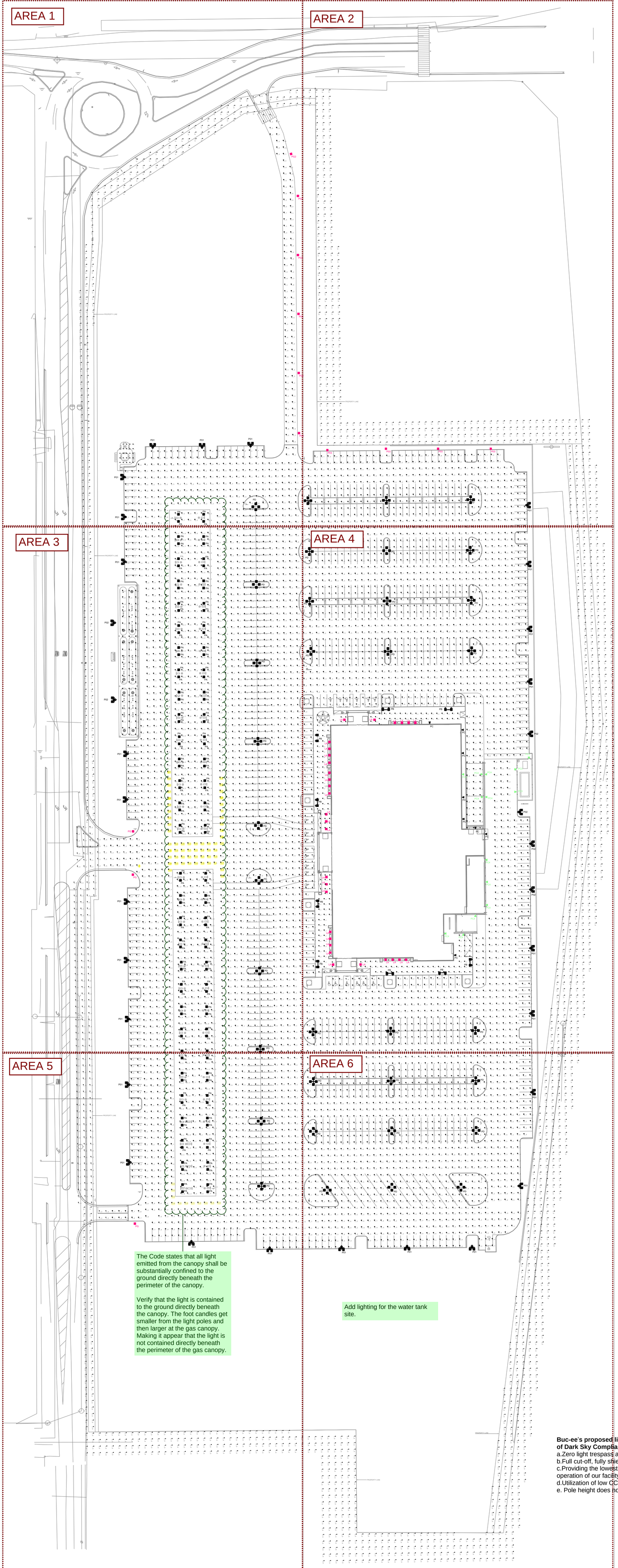
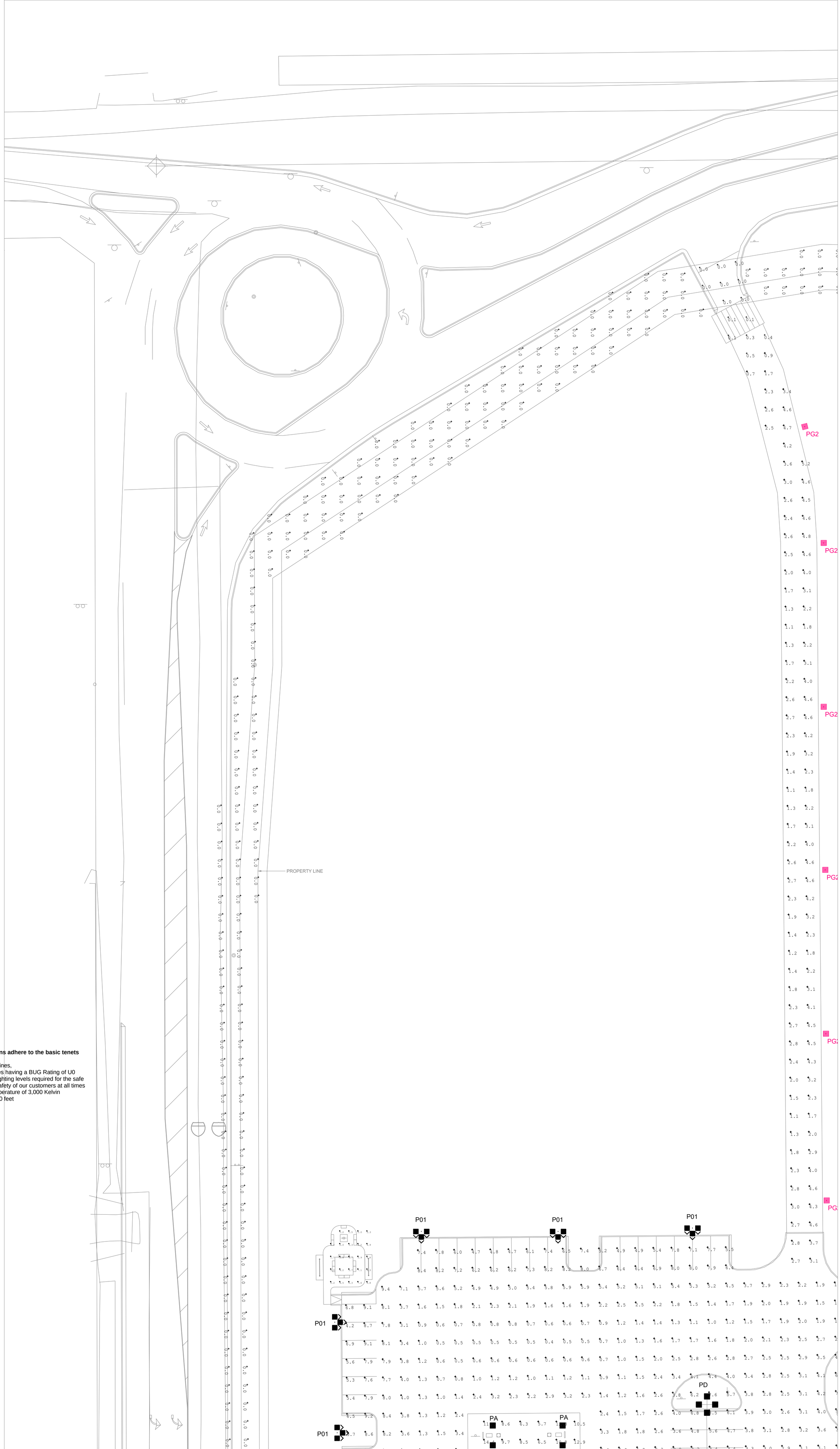
OVERALL PLAN



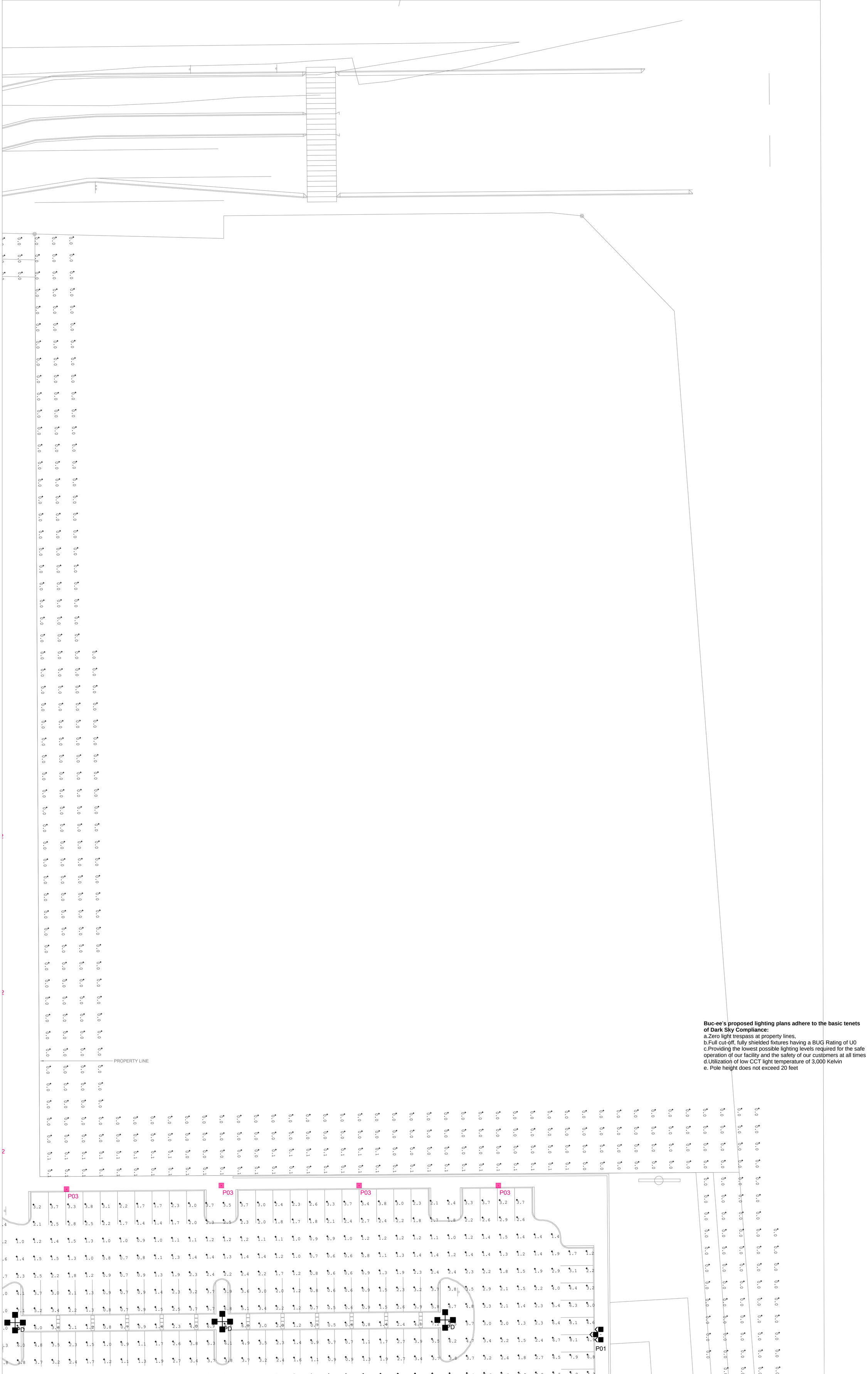
Buc-ee's proposed lighting plans adhere to the basic tenets of Dark Sky Compliance:

a.Zero light trespass at property lines,
b.Full cut-off, fully shielded fixtures having a BUG Rating of U0
c.Providing the lowest possible lighting levels required for the safe operation of our facility and the safety of our customers at all times
d.Utilization of low CCT light temperature of 3,000 Kelvin
e. Pole height does not exceed 20 feet



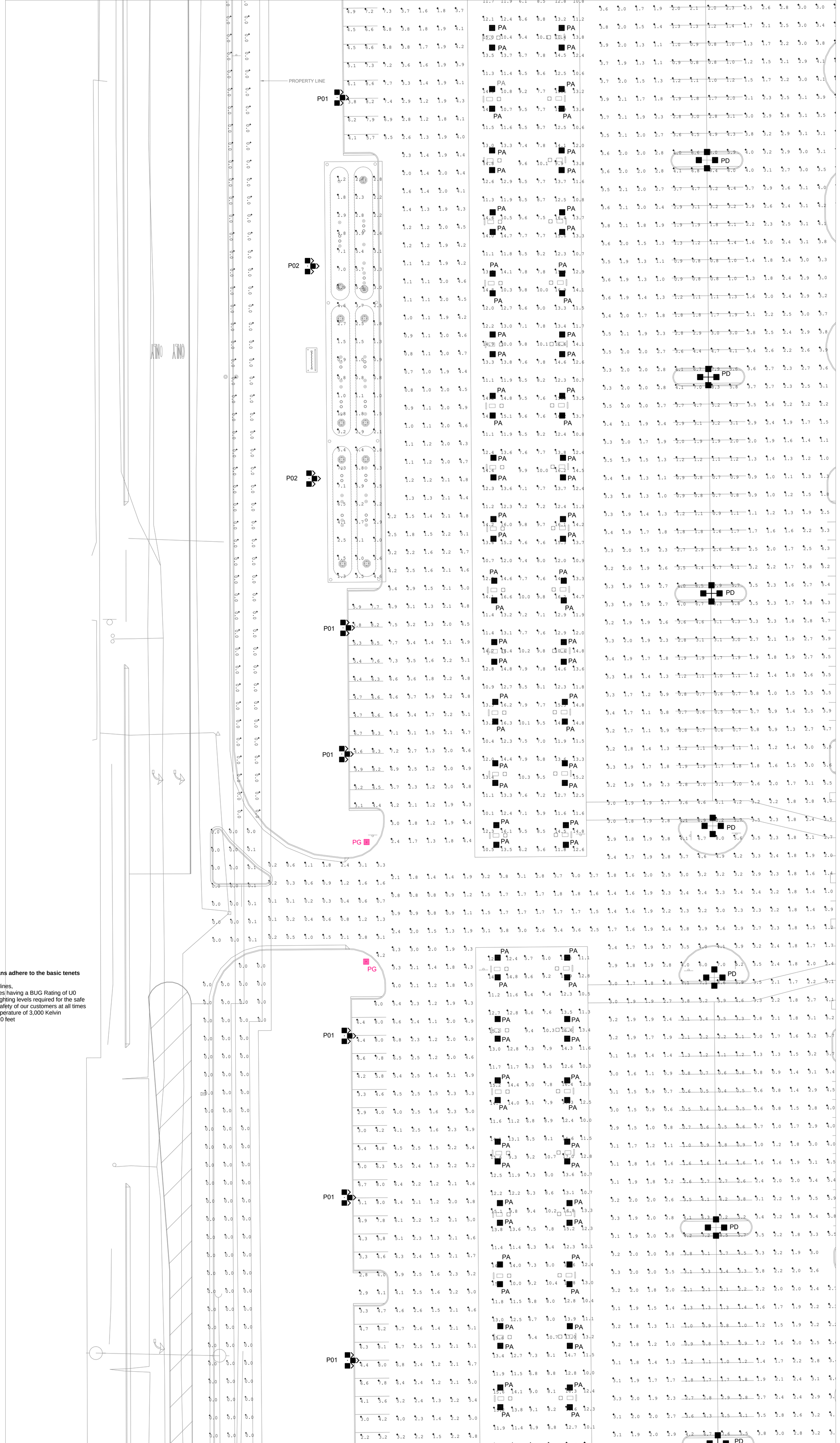
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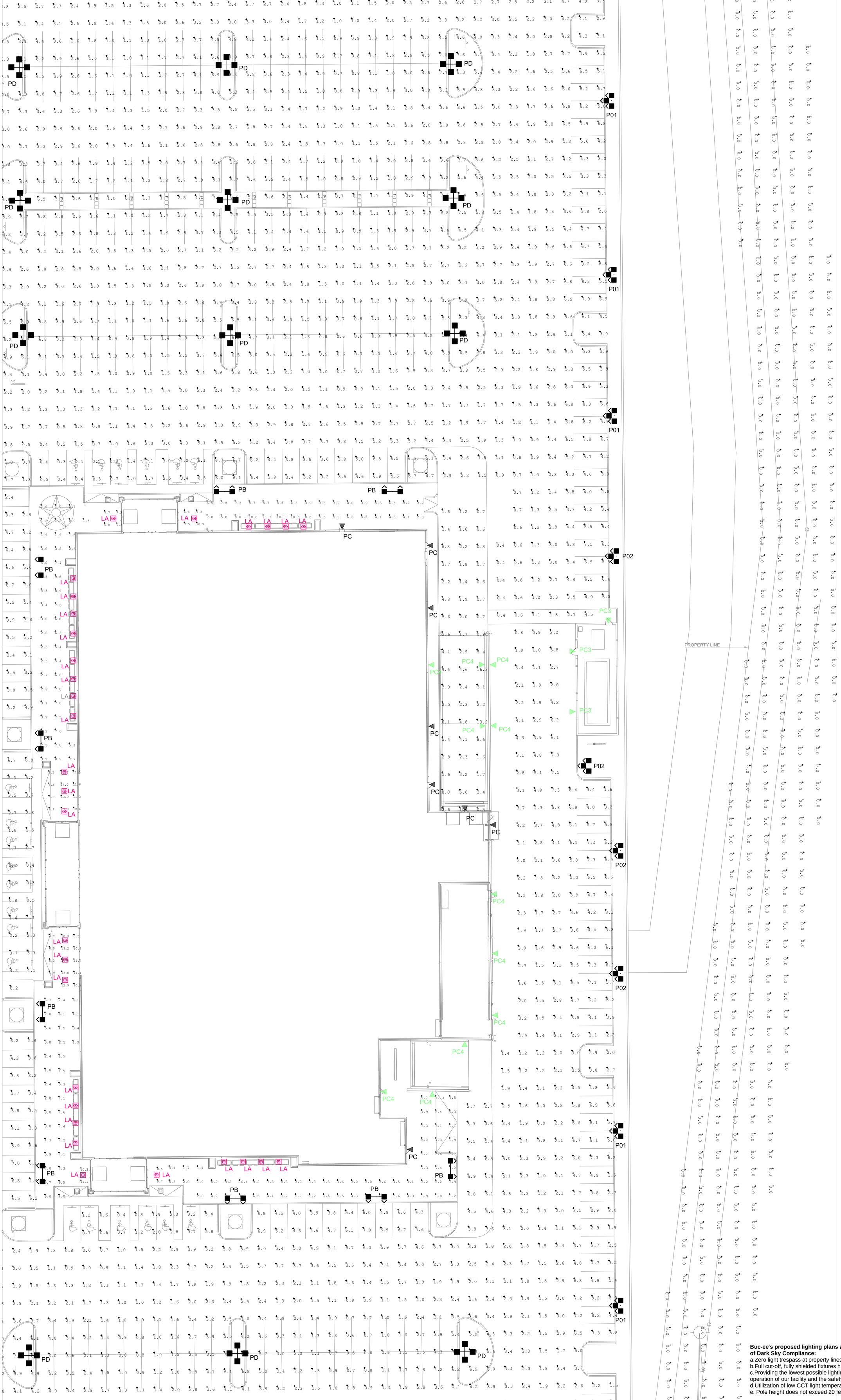
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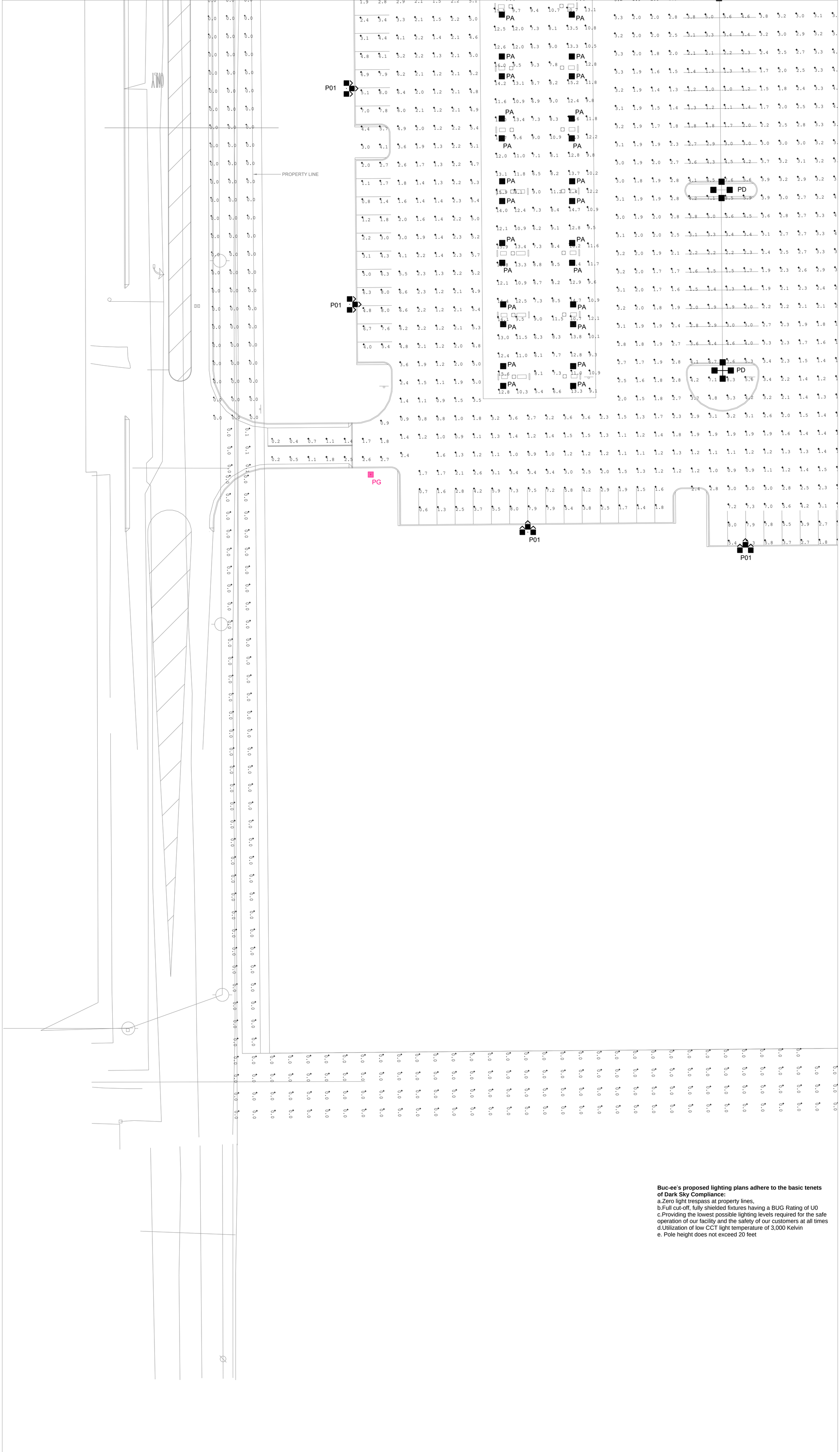
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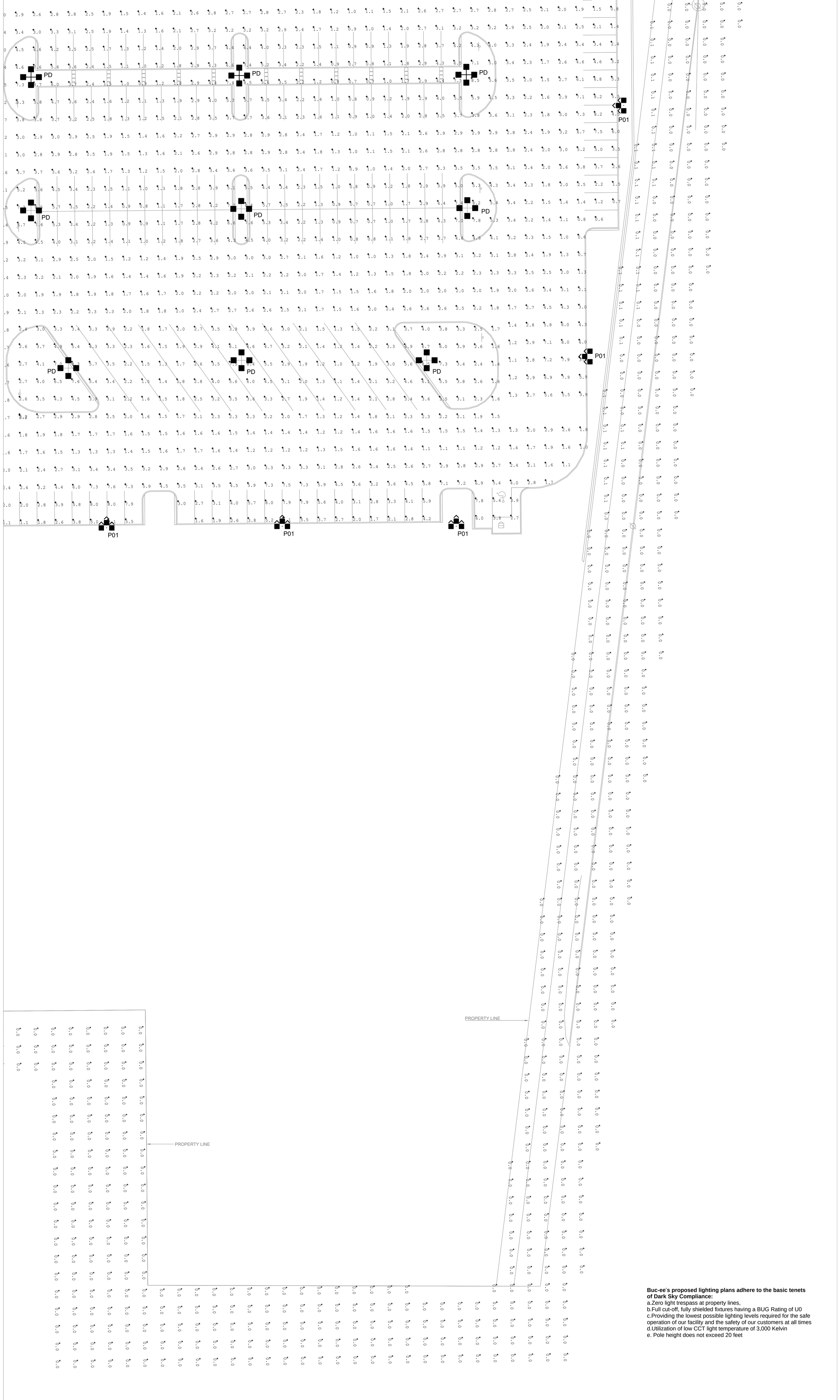
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Luminaire Schedule											
Symbol	Qty	Label	Arrangement	Description	Tag	LLF	Luminaire Lumens	Luminaire Watts	Total Watts	Mounting Height	Color Temperature
	4	P03	SINGLE	MRM-LED-09L-SIL-2-30-70CRI-IL	P03	0.850	5990	62	248	20	3000
	3	PG	SINGLE	MRM-LED-07L-SIL-2-30-70CRI-IL	PG	0.850	4594	48	144	20	3000
	6	PG2	SINGLE	MRM-LED-12L-SIL-2-30-70CRI-IL	PG2	0.850	7984	85	510	20	3000
	26	P01	D180 2RTD 1-90	MRM-LED-09L-SIL-3-30-70CRI-IL	P01	0.850	6858	62	4836	20	3000
	6	P02	D180 2RTD 1-90	MRM-LED-09L-SIL-4-30-70CRI-IL	P02	0.850	6145	62	1116	20	3000
	11	PC4	SINGLE	WPSLL-04L-30	PC4	0.850	4147	40	440	10	3000
	3	PC3	SINGLE	WPSLL-04L-30	PC4	0.850	4147	40	120	10	3000
	30	LA	Single	XSPS-S-LED-SS-WW-DFL	LA	0.850	3817	31.1	933	12	3000
	120	PA	SINGLE	CRUS-SC-VLW-30	PA	0.850	8783	60	7200	17	3000
	9	PB	D180° 2RTD	MRM-LED-12L-SIL-3-30-70CRI	PB	0.850	13232	85	1530	20	3000
	8	PC	SINGLE	WPSLL-04L-30	PC	0.850	4147	40	320	15	3000
	34	PD	4 @ 90°	MRM-LED-07L-SIL-FT-30-70CRI	PD	0.850	7562	48	6528	20	3000

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Bicycle Parking	Illuminance	Fc	4.22	8.8	1.2	3.52	7.33
East Walkway_Entry 1	Illuminance	Fc	4.94	17.3	1.3	3.80	13.31
Front Entrance - Canopy 1	Illuminance	Fc	9.99	14.0	4.7	2.13	2.98
Front Entrance - Canopy 2	Illuminance	Fc	10.35	14.0	5.5	1.88	2.55
Front Walkway_Entry 1	Illuminance	Fc	4.39	9.6	0.7	6.27	13.71
Front Walkway_Entry 2	Illuminance	Fc	4.91	7.6	1.5	3.27	5.07
Fuel Canopy 1	Illuminance	Fc	11.34	16.9	5.6	2.03	3.02
Fuel Canopy 2	Illuminance	Fc	11.16	17.0	2.4	4.65	7.08
Fuel Tanks	Illuminance	Fc	3.18	7.3	0.8	3.98	9.13
Parking Lot	Illuminance	Fc	2.91	9.4	0.3	9.70	31.33
Propertly Line 1	Illuminance	Fc	0.00	0.1	0.0	N.A.	N.A.
Propertly Line 2	Illuminance	Fc	0.00	0.0	0.0	N.A.	N.A.
Propertly Line 3	Illuminance	Fc	0.00	0.0	0.0	N.A.	N.A.
Roadway 1	Illuminance	Fc	2.66	5.2	0.1	26.60	52.00
Receiving Area	Illuminance	Fc	3.50	16.3	0.5	7.00	32.60
Roadway 2	Illuminance	Fc	1.31	2.7	0.2	6.55	13.50
Roadway Entry 2	Illuminance	Fc	1.15	4.2	0.1	11.50	42.00
Roadway Property Line 1	Illuminance	Fc	0.03	0.1	0.0	N.A.	N.A.
Roadway Property Line 2	Illuminance	Fc	0.05	0.1	0.0	N.A.	N.A.
Roadway Property Line 3	Illuminance	Fc	0.00	0.0	0.0	N.A.	N.A.
RV Parking	Illuminance	Fc	3.05	8.5	1.0	3.05	8.50
Side Entrance 1 - Canopy 1	Illuminance	Fc	9.10	9.7	8.5	1.07	1.14
Side Entrance 1 - Canopy 2	Illuminance	Fc	10.70	11.1	10.3	1.04	1.08
Side Entrance 2 - Canopy 1	Illuminance	Fc	8.53	10.9	6.4	1.33	1.70
Side Entrance 2 - Canopy 2	Illuminance	Fc	7.38	9.3	5.7	1.29	1.63
West Walkway_Entry 1	Illuminance	Fc	6.00	11.1	2.3	2.61	4.83

Luminaire Schedule						
Symbol	Qty	Label	Tag	Arrangement Watts	Arrangement Luminaire Lumens	Total Lumens (Quanity*Arrangment Lumens)
	4	P03	P03	62	5990	7965
	3	PG	PG	48	4594	90990
	6	PG2	PG2	85	7984	32732
	26	P01	P01	186	20574	440720
	6	P02	P02	186	18435	971376
	11	PC4	PC4	40	4147	342720
	3	PC3	PC4	40	4147	45617
	30	LA	LA	31.1	3817	8294
	120	PA	PA	60	8783	171990
	9	PB	PB	170	26464	2146680
	8	PC	PC	40	4147	585824
	34	PD	PD	192	30248	63840

Site Plan Summary:

- All Site lighting is full cutoff.

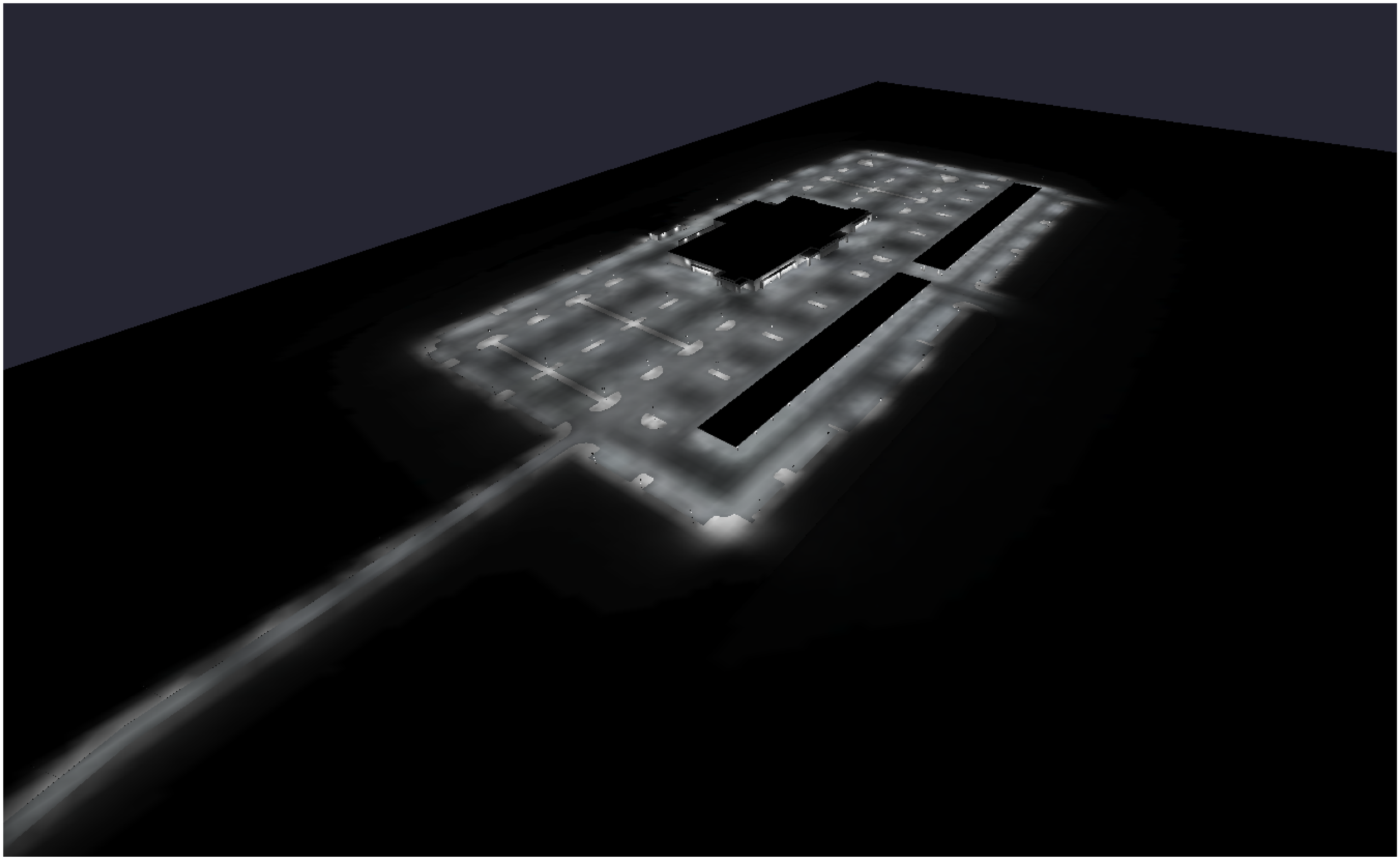
- Fuel Canopy fixtures are surface mounted, however lens is recessed in the fixture. Lighting level under fuel canopy does not exceed 20 FC.

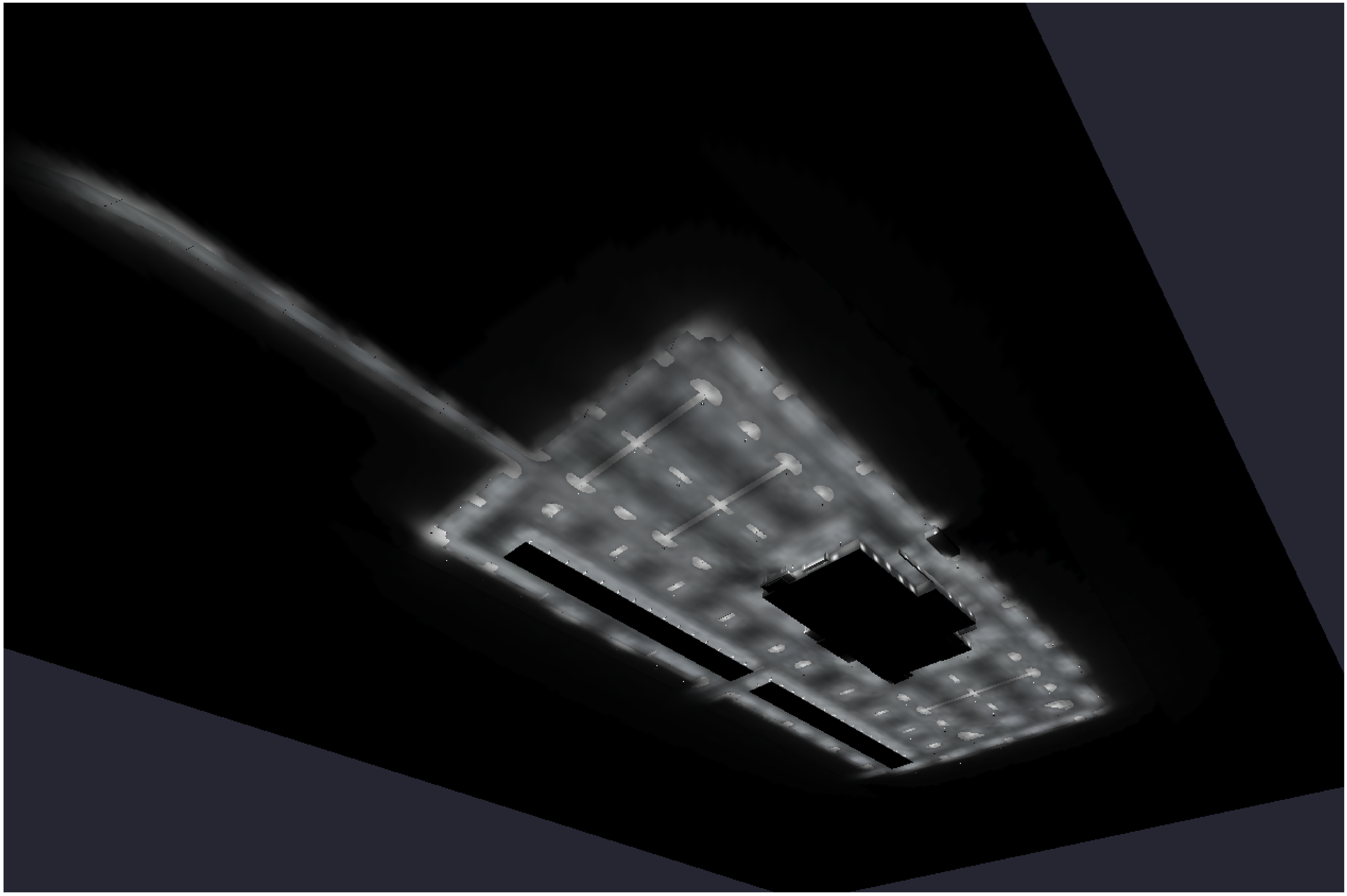
- All parking lot areas do not exceed a maximum of 10 FC. All poles are mounted a maximum of 20'. Pole heights are 17'-1/2" with 2'-1/2" base for a total height of 20'

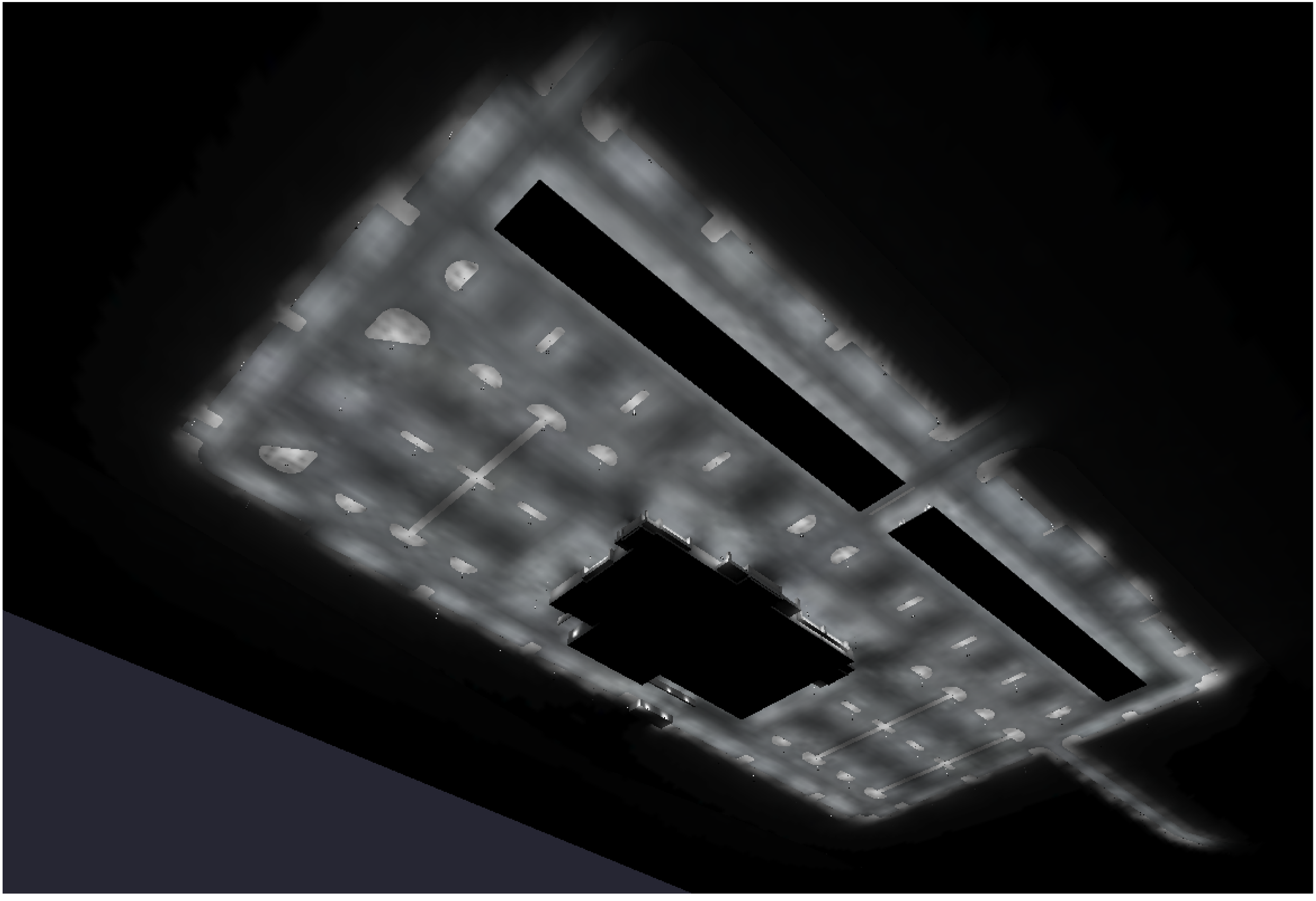
- Lighting level shown at property line do not exceed .1FC. Grass area on Bucee's property not shown for clarity.

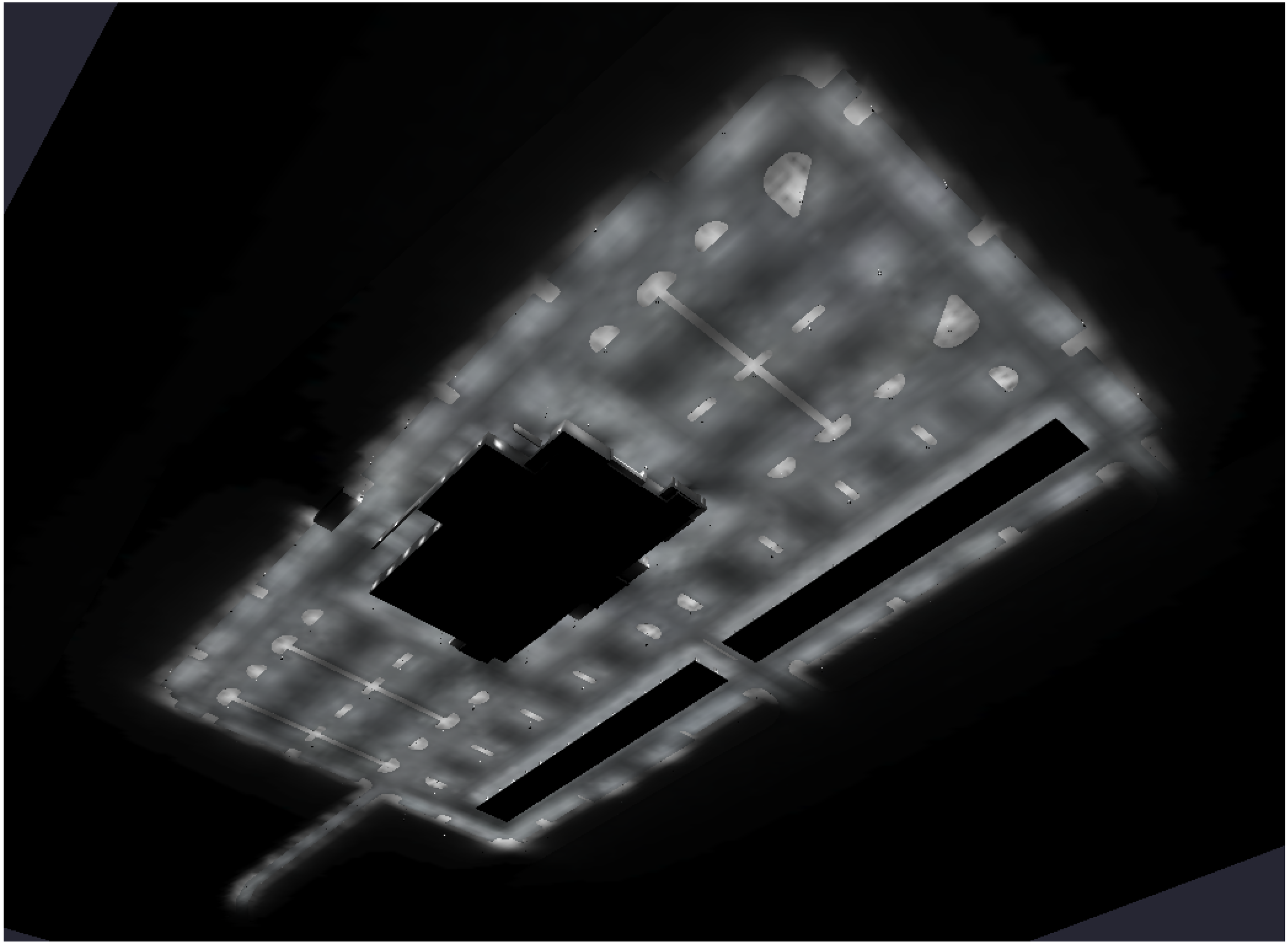
6.2.3. Lighting

(f)Light Standards and Fixtures. The style of light standards and fixtures shall be consistent with the style and character of architecture proposed on the site. Poles shall be anodized or coated to minimize glare from the light source. Bollards or similar light fixtures intended to illuminate landscape features or walkways are permitted which do not exceed 4 feet in height, 2 fixtures per bollard and 1 lamp not exceeding 900 lumens per fixture.









V1_Lighting Plan.pdf Markup Summary

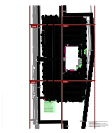
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6.2.3. Lighting

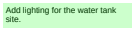
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The Code states that all light emitted from the canopy shall be substantially confined to the ground directly beneath the perimeter of the canopy.

Verify that the light is contained to the ground directly beneath the canopy. The foot candles get smaller from the light poles and then larger at the gas canopy. Making it appear that the light is not contained directly beneath the perimeter of the gas canopy.



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Add lighting for the water tank site.