



**DRAWN BY:**  
Josh Burge  
josh.burge@pgenlighten.com  
847.228.1197

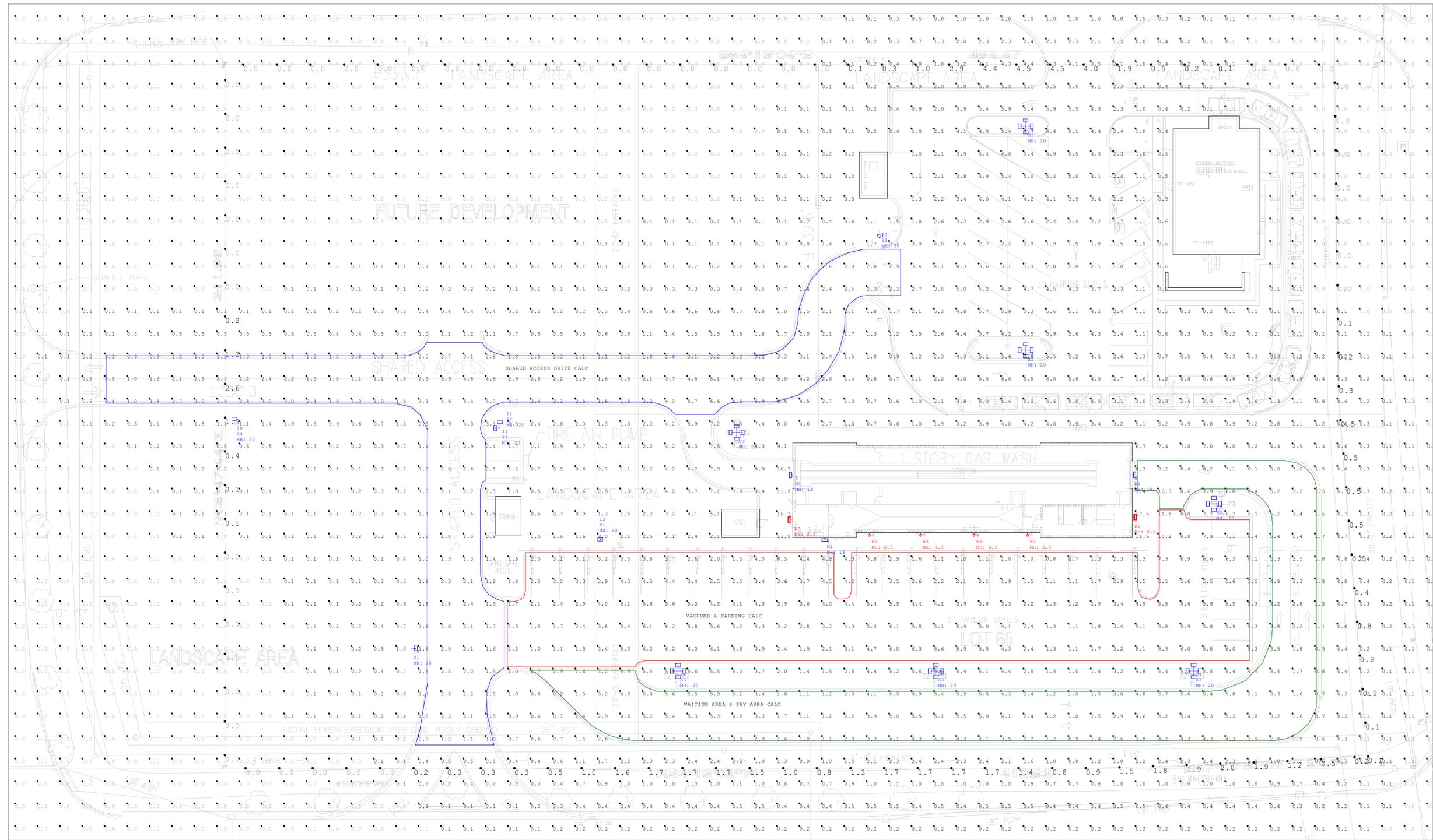
**PG CONTACT:**  
Dan Ardelean  
dan.ardelean@pgenlighten.com  
630.816.9420

REVISIONS	DESCRIPTION	DESCRIPTION
1	XX/XX/XXXX	DESCRIPTION
2	XX/XX/XXXX	DESCRIPTION
3	XX/XX/XXXX	DESCRIPTION

**PROJECT NAME:**  
**DREAM CLEAN - WARRENVILLE, IL**

**CLIENT NAME:**  
**ARCHAMERICA**

Date: 2/18/2025  
Page 1 of 3



Not to Scale

Label	CalcType	Units	Avg	Max	Min	Max/Min	Avg/Min	Calc Plane Ht
FULL AREA_Planar	Illuminance	Fc	0.54	17.5	0.0	N.A.	N.A.	0
PROPERTY LINE CALC	Illuminance	Fc	0.64	4.5	0.0	N.A.	N.A.	N.A.
SHARED ACCESS DRIVE CALC	Illuminance	Fc	2.63	6.9	0.9	7.67	2.92	
VACUUME & PARKING CALC	Illuminance	Fc	3.90	8.0	0.7	11.43	5.57	
WAITING AREA & PAY AREA CALC	Illuminance	Fc	3.74	10.3	0.7	14.71	5.34	

Luminaire Schedule - Part numbers are provided by the manufacturer and are only intended to be used as a reference to output and optics used.										
Symbol	Qty	Tag	Manufacturer	Description	Arrangement	Luminaire Lumens	Arr. Lum. Lumens	Luminaire Watts	Arr. Watts	LLF
	4	S1	BEACON	VP-1-160L-75-4K7-4W	Single	10070	10070	72.5	72.5	0.900
	7	S3	BEACON	VP-1-160L-75-4K7-4W	4 @ 90 Degrees	10070	40280	72.5	290	0.900
	2	S4	BEACON	VP-1-160L-75-4K7-3	Single	10242	10242	72.5	72.5	0.900
	3	W1	EXO	TRP2-24L-90-4K7-4	Single	9659	9659	86.68	86.68	0.900
	2	W2	EXO	PRL-C-LS-4K(26W)	Single	3665	3665	26	26	0.900
	4	W3	ILP	UC3UD-09L-U-40-N-N-WM	Single	893	893	7.89	7.89	0.900

Luminaire Location Summary		
LumNo	Label	Mfg Ht
1	PRL-C-LS-4K-26W	8.5
2	PRL-C-LS-4K-26W	8.5
3	TRP2-24L-90-4K7-4	18
4	TRP2-24L-90-4K7-4	18
5	TRP2-24L-90-4K7-4	18
6	UC3UD-09L-U-40-N-N-WM	8.5
7	UC3UD-09L-U-40-N-N-WM	8.5
8	UC3UD-09L-U-40-N-N-WM	8.5
9	UC3UD-09L-U-40-N-N-WM	8.5
10	VP-1-160L-75-4K7-3	20
11	VP-1-160L-75-4K7-3	20
12	VP-1-160L-75-4K7-4W_1	20
13	VP-1-160L-75-4K7-4W_1	20
14	VP-1-160L-75-4K7-4W_1	20
15	VP-1-160L-75-4K7-4W_1	20
16	VP-1-160L-75-4K7-4W_2	20
17	VP-1-160L-75-4K7-4W_2	20
18	VP-1-160L-75-4K7-4W_2	20
19	VP-1-160L-75-4K7-4W_2	20
20	VP-1-160L-75-4K7-4W_2	20
21	VP-1-160L-75-4K7-4W_2	20
22	VP-1-160L-75-4K7-4W_2	20

**NOTES**

PG-ENLIGHTEN IS NEITHER LICENSED NOR INSURED TO DETERMINE CODE COMPLIANCE. CODE COMPLIANCE REVIEW BY OTHERS.

ANY VARIANCE FROM REFLECTANCE VALUES, OBSTRUCTIONS, LIGHT LOSS FACTORS OR DIMENSIONAL DATA WILL AFFECT THE ACTUAL LIGHT LEVELS OBTAINED.

THIS ANALYSIS IS A MATHEMATICAL MODEL AND CAN BE ONLY AS ACCURATE AS IS PERMITTED BY THE THIRD-PARTY SOFTWARE AND THE IES STANDARDS USED.

FIXTURE TYPES AND QUANTITIES MAY CHANGE BASED ON UNKNOWN OBSTRUCTIONS OR FIELD CONDITIONS. THESE CHANGES MAY RESULT IN AN INCREASED QUANTITY OF FIXTURES.

FIXTURE TYPES AND QUANTITIES BASED ON PROVIDED LAYOUT AND DRAWINGS ARE FOR REFERENCE ONLY. TYPES AND QUANTITIES MAY CHANGE WITH FUTURE REVISIONS.

CALCULATION GRID VALUES 10'-0" O.C.



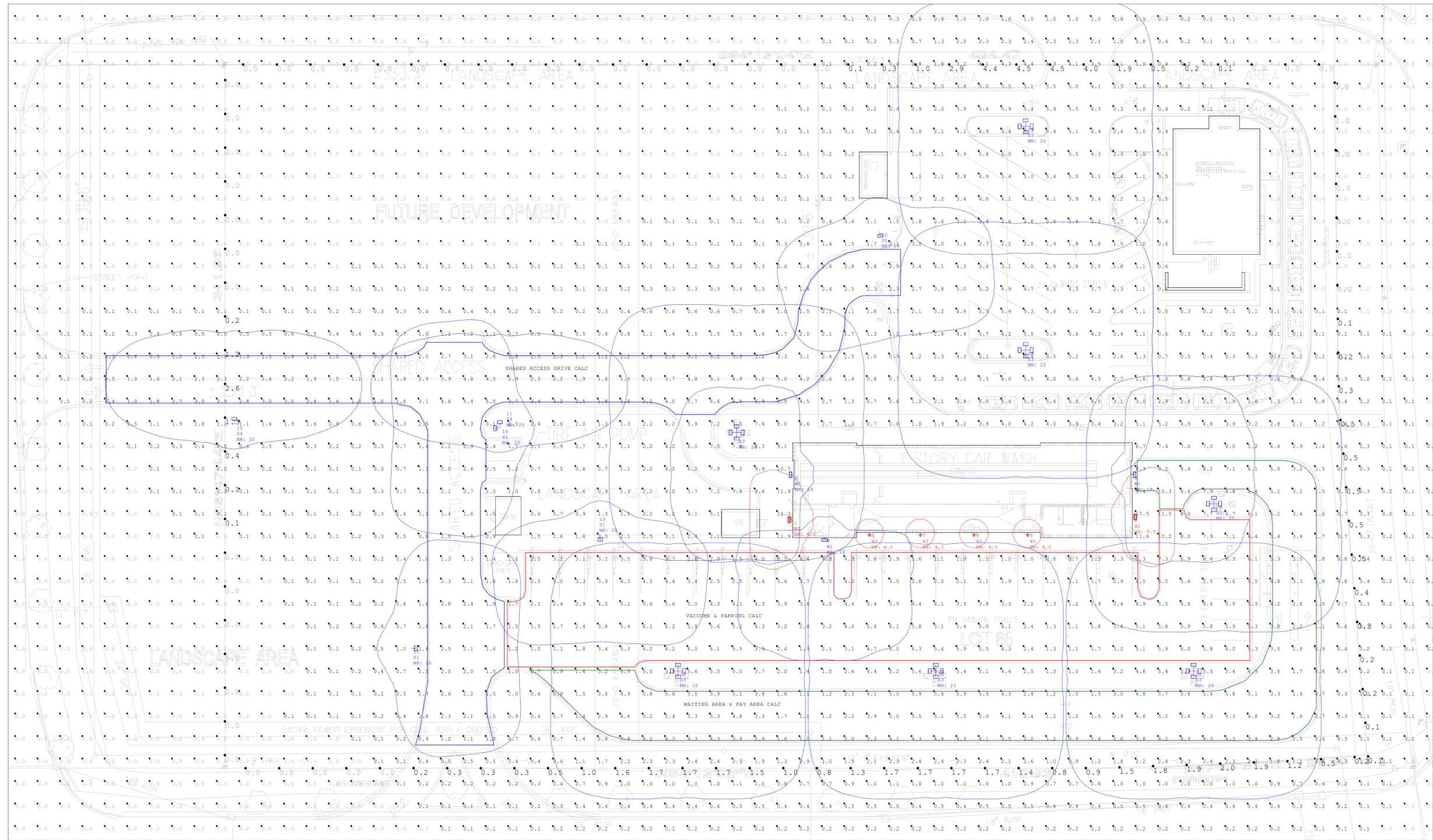
DRAWN BY:  
Josh Burge  
josh.burge@pgenlighten.com  
847.228.1197

PG CONTACT:  
Dan Ardelean  
dan.ardelean@pgenlighten.com  
630.816.9420

REVISIONS	DESCRIPTION	DESCRIPTION	DESCRIPTION
1	XX/XX/XXXX		
2	XX/XX/XXXX		
3	XX/XX/XXXX		

PROJECT NAME:  
**DREAM CLEAN - WARRENVILLE, IL**  
CLIENT NAME:  
**ARCHAMERICA**

Date: 2/18/2025  
Page 2 of 3



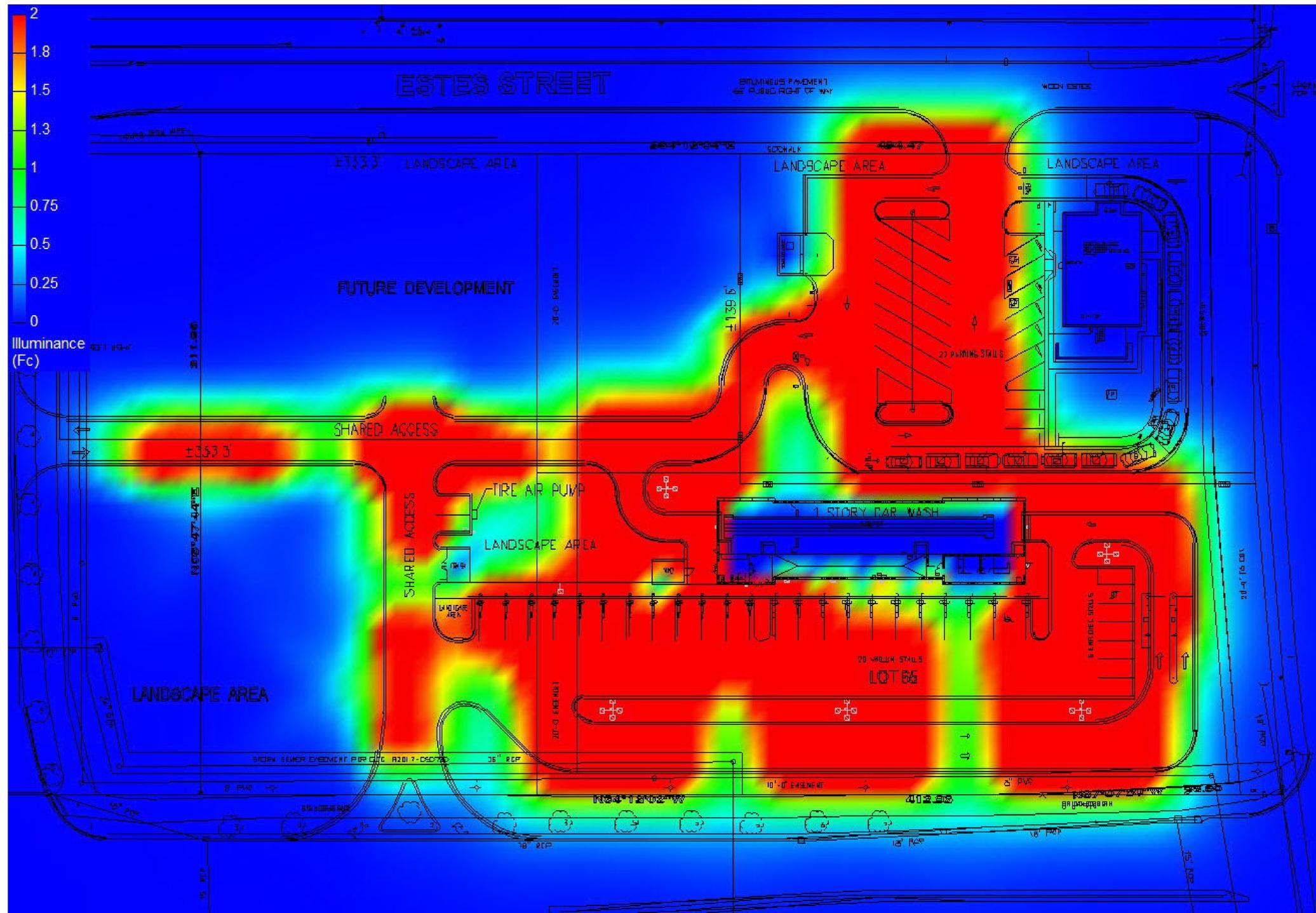
Not to Scale

Label	CalcType	Units	Avg	Max	Min	Max/Min	Avg/Min	Calc Plane Ht
FULL AREA_Planar	Illuminance	Fc	0.54	17.5	0.0	N.A.	N.A.	0
PROPERTY LINE CALC	Illuminance	Fc	0.64	4.5	0.0	N.A.	N.A.	N.A.
SHARED ACCESS DRIVE CALC	Illuminance	Fc	2.63	6.9	0.9	7.67	2.92	
VACUUMS & PARKING CALC	Illuminance	Fc	3.90	8.0	0.7	11.43	5.57	
WAITING AREA & PAY AREA CALC	Illuminance	Fc	3.74	10.3	0.7	14.71	5.34	

Luminaire Schedule - Part numbers are provided by the manufacturer and are only intended to be used as a reference to output and optics used.										
Symbol	Qty	Tag	Manufacturer	Description	Arrangement	Luminaire Lumens	Arr. Lum. Lumens	Luminaire Watts	Arr. Watts	LLF
	4	S1	BEACON	VP-1-160L-75-4K7-4W	Single	10070	10070	72.5	72.5	0.900
	7	S3	BEACON	VP-1-160L-75-4K7-4W	4 @ 90 Degrees	10070	40280	72.5	290	0.900
	2	S4	BEACON	VP-1-160L-75-4K7-3	Single	10242	10242	72.5	72.5	0.900
	3	W1	EXO	TRP2-24L-90-4K7-4	Single	9659	9659	86.68	86.68	0.900
	2	W2	EXO	PRL-C-LS-4K(26W)	Single	3665	3665	26	26	0.900
	4	W3	ILP	UC3UD-09L-U-40-N-N-WM	Single	893	893	7.89	7.89	0.900

Luminaire Location Summary		
LumNo	Label	Mfg Ht
1	PRL-C-LS-4K-26W	8.5
2	PRL-C-LS-4K-26W	8.5
3	TRP2-24L-90-4K7-4	18
4	TRP2-24L-90-4K7-4	18
5	TRP2-24L-90-4K7-4	18
6	UC3UD-09L-U-40-N-N-WM	8.5
7	UC3UD-09L-U-40-N-N-WM	8.5
8	UC3UD-09L-U-40-N-N-WM	8.5
9	UC3UD-09L-U-40-N-N-WM	8.5
10	VP-1-160L-75-4K7-3	20
11	VP-1-160L-75-4K7-3	20
12	VP-1-160L-75-4K7-4W_1	20
13	VP-1-160L-75-4K7-4W_1	20
14	VP-1-160L-75-4K7-4W_1	20
15	VP-1-160L-75-4K7-4W_1	20
16	VP-1-160L-75-4K7-4W_2	20
17	VP-1-160L-75-4K7-4W_2	20
18	VP-1-160L-75-4K7-4W_2	20
19	VP-1-160L-75-4K7-4W_2	20
20	VP-1-160L-75-4K7-4W_2	20
21	VP-1-160L-75-4K7-4W_2	20
22	VP-1-160L-75-4K7-4W_2	20

**NOTES**  
PG-ENLIGHTEN IS NEITHER LICENSED NOR INSURED TO DETERMINE CODE COMPLIANCE. CODE COMPLIANCE REVIEW BY OTHERS.  
ANY VARIANCE FROM REFLECTANCE VALUES, OBSTRUCTIONS, LIGHT LOSS FACTORS OR DIMENSIONAL DATA WILL AFFECT THE ACTUAL LIGHT LEVELS OBTAINED.  
THIS ANALYSIS IS A MATHEMATICAL MODEL AND CAN BE ONLY AS ACCURATE AS IS PERMITTED BY THE THIRD-PARTY SOFTWARE AND THE IES STANDARDS USED.  
FIXTURE TYPES AND QUANTITIES MAY CHANGE BASED ON UNKNOWN OBSTRUCTIONS OR FIELD CONDITIONS. THESE CHANGES MAY RESULT IN AN INCREASED QUANTITY OF FIXTURES.  
FIXTURE TYPES AND QUANTITIES BASED ON PROVIDED LAYOUT AND DRAWINGS ARE FOR REFERENCE ONLY. TYPES AND QUANTITIES MAY CHANGE WITH FUTURE REVISIONS.  
CALCULATION GRID VALUES 10'-0" O.C.



Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Max/Min	Avg/Min	Calc Plane Ht
FULL AREA_Planar	Illuminance	Fc	0.54	17.5	0.0	N.A.	N.A.	0
PROPERTY LINE CALC	Illuminance	Fc	0.64	4.5	0.0	N.A.	N.A.	N.A.
SHARED ACCESS DRIVE CALC	Illuminance	Fc	2.63	6.9	0.9	7.67	2.92	
VACUUME & PARKING CALC	Illuminance	Fc	3.90	8.0	0.7	11.43	5.57	
WAITING AREA & PAY AREA CALC	Illuminance	Fc	3.74	10.3	0.7	14.71	5.34	

Luminaire Schedule - Part numbers are provided by the manufacturer and are only intended to be used as a reference to output and optics used.										
Symbol	Qty	Tag	Manufacturer	Description	Arrangement	Luminaire Lumens	Arr. Lum. Lumens	Luminaire Watts	Arr. Watts	LLF
	4	S1	BEACON	VP-1-160L-75-4K7-4W	Single	10070	10070	72.5	72.5	0.900
	7	S3	BEACON	VP-1-160L-75-4K7-4W	4 @ 90 Degrees	10070	40280	72.5	290	0.900
	2	S4	BEACON	VP-1-160L-75-4K7-3	Single	10242	10242	72.5	72.5	0.900
	3	W1	EXO	TRP2-24L-90-4K7-4	Single	9659	9659	86.68	86.68	0.900
	2	W2	EXO	PRL-C-LS-4K(26W)	Single	3665	3665	26	26	0.900
	4	W3	ILP	UC3UD-09L-U-40-N-N-WM	Single	893	893	7.89	7.89	0.900

Luminaire Location Summary		
LumNo	Label	Mfg Ht
1	PRL-C-LS-4K-26W	8.5
2	PRL-C-LS-4K-26W	8.5
3	TRP2-24L-90-4K7-4	18
4	TRP2-24L-90-4K7-4	18
5	TRP2-24L-90-4K7-4	18
6	UC3UD-09L-U-40-N-N-WM	8.5
7	UC3UD-09L-U-40-N-N-WM	8.5
8	UC3UD-09L-U-40-N-N-WM	8.5
9	UC3UD-09L-U-40-N-N-WM	8.5
10	VP-1-160L-75-4K7-3	20
11	VP-1-160L-75-4K7-3	20
12	VP-1-160L-75-4K7-4W_1	20
13	VP-1-160L-75-4K7-4W_1	20
14	VP-1-160L-75-4K7-4W_1	20
15	VP-1-160L-75-4K7-4W_1	20
16	VP-1-160L-75-4K7-4W_2	20
17	VP-1-160L-75-4K7-4W_2	20
18	VP-1-160L-75-4K7-4W_2	20
19	VP-1-160L-75-4K7-4W_2	20
20	VP-1-160L-75-4K7-4W_2	20
21	VP-1-160L-75-4K7-4W_2	20
22	VP-1-160L-75-4K7-4W_2	20

**NOTES**

PG-ENLIGHTEN IS NEITHER LICENSED NOR INSURED TO DETERMINE CODE COMPLIANCE. CODE COMPLIANCE REVIEW BY OTHERS.

ANY VARIANCE FROM REFLECTANCE VALUES, OBSTRUCTIONS, LIGHT LOSS FACTORS OR DIMENSIONAL DATA WILL AFFECT THE ACTUAL LIGHT LEVELS OBTAINED.

THIS ANALYSIS IS A MATHEMATICAL MODEL AND CAN BE ONLY AS ACCURATE AS IS PERMITTED BY THE THIRD-PARTY SOFTWARE AND THE IES STANDARDS USED.

FIXTURE TYPES AND QUANTITIES MAY CHANGE BASED ON UNKNOWN OBSTRUCTIONS OR FIELD CONDITIONS. THESE CHANGES MAY RESULT IN AN INCREASED QUANTITY OF FIXTURES.

FIXTURE TYPES AND QUANTITIES BASED ON PROVIDED LAYOUT AND DRAWINGS ARE FOR REFERENCE ONLY. TYPES AND QUANTITIES MAY CHANGE WITH FUTURE REVISIONS.

CALCULATION GRID VALUES 10'-0" O.C.

PROJECT NAME:  
**DREAM CLEAN - WARRENVILLE, IL**

CLIENT NAME:  
**ARCHAMERICA**

REVISONS	DESCRIPTION	DESCRIPTION	DESCRIPTION
1	XX/XX/XXXX		
2	XX/XX/XXXX		
3	XX/XX/XXXX		

PG CONTACT:  
 Dan Ardelean  
 dan.ardelean@pg-enlighten.com  
 630.816.9420

DRAWN BY:  
 Josh Burge  
 josh.burge@pg-enlighten.com  
 847.228.1197