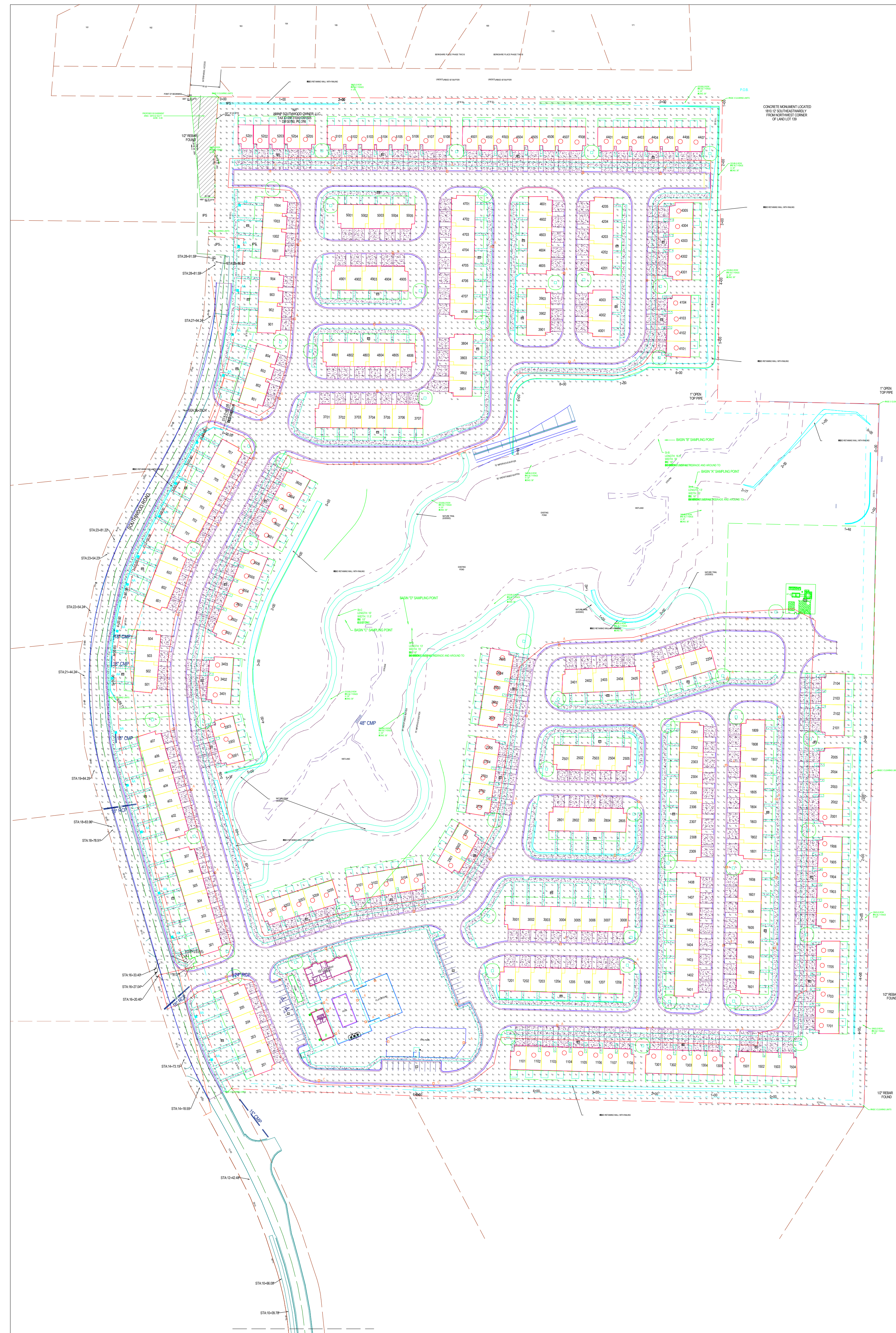


PROJECT: SUMMERWELL PARKWAY VILLAGE AMENITY - CALC 01
 DATE: 10/20/2023
 John Dalziel
 THE BTR GROUP

Calc Points: At Grade
 Fixture Mounting Height: 15'-0", 25'-0" AFG
 Fixture Spacing: As shown on plan

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Description	LLF	Total Watts
63	A	Single	LSI 1MRM-LED-30L-SIL-3-40-70CRI, 25' AFG	0.900	32176	247
19	AA	Single	PENCO HERT-NL-50W-4K-4, 15' AFG	0.900	4927	50
2	B	Single	LSI XWS-LED-30L-F1W-40-80CRI, 12' AFG	0.900	6968	52
3	C	Single	LSI 1MRM-LED-30L-SIL-3-40-70CRI, 25' AFG	0.900	23428	247
						741

Calculation Summary					
Label	Avg	Max	Min	Avg/Min	Max/Min
GRADE	1.61	32.4	0.0	N.A.	N.A.



Lighting Calculation Report

AMBIANCE LIGHTING
 5021 Howerton Way, Suites A-C Bowie, MD 20715
 Phone 301.627.2000 Fax 301.282.3039
 www.ambianceighting.com

This calculation report contains Ambiance Lighting manufacturer's luminaire data has been reviewed by others. PREPARED BY: S.R.

Ambiance Lighting performs calculations in accordance to the published methods and standards of the IESNA. We suggest adherence to IESNA recommendations for best results. This report is intended to provide a preliminary study and up to a 10% field measurement difference may occur in part from the limitations of IESNA referenced procedures.

Results are comprised of actual conditions vary from conditions within the model. Close estimations of materials and actual paint colors and/or reflectance, specularly, location of furniture and dockwork, and light loss factor as a result of dust and lamp lumen depreciation are key aspects to accurate results. This report is intended to verify lighting concepts and layouts, and suggest application as well as results for the purpose of lighting design assistance. This lighting calculation is not a specification or standard and is subject to change.

PROJECT: TEXTRON SYSTEMS - CALC 04
 DATE: 1/25/2024
 John Dalziel
 PROJECT 308 DESIGN, PLLC

Ceiling Height: 9'-1", 14'-0"
 Reflectances:
 ceiling - 80%
 walls - 50%
 floor - 20%

Calc Points: 30" AFF (UNLESS NOTED)
 Fixture Mounting Height: Type F @ 8'-6" AFF
 Fixture Spacing: As shown on plan

Symbol	Qty	Label	Description	Lumens	LLF	Watts	Arrangement	Arrangement Luminaire Lumens
5	A	ALPHABET NUGRD-15LM-35K-80-HE60		1195	0.900	14.55	14.55	1195
15	B	LSI SP22LED-FS-30W-3500K		3451	0.900	30	30	3451
14	C	ALPHABET NUG-RD-20LM-35K-80-HE70		1534	0.860	16.43	16.43	1534
1	D-4X8	FLUXWERX NT1-P-X-B-A-35-F2-M-XX		N.A.	0.900	N.A.	110.52	10998
9	E4	MERCURY MLS3-X-48-600-35K-ASO-1%-U		3513	0.610	28.74	28.74	3513
6	E6	MERCURY MLS3-X-72-600-35K-ASO-1%-U		N.A.	N.A.	N.A.	73.305	7026
4	E8	MERCURY MLS3-X-96-600-35K-ASO-1%-U		N.A.	0.510	N.A.	57.46	7026
6	F4	LSI AST-04-04-435		4566	0.900	34	34	4566
5	H8	MERCURY MLS3-DI-96-400-400-35K-HTABW-1%-U		N.A.	0.900	N.A.	55.329	6574

Label	Avg	Max	Min	Avg/Min	Max/Min
300 Workplane	40.86	66	8	5.11	8.25
301 Workplane	36.84	65	8	4.61	8.13
302 Workplane	0.00	0	0	N.A.	N.A.
304 Workplane	0.00	0	0	N.A.	N.A.
305 Workplane	41.40	47	37	1.12	1.27
306 Workplane	42.47	53	27	1.57	1.96
307 Workplane	29.24	45	6	4.87	7.50
308 Workplane	42.40	50	30	1.41	1.67
309 Workplane	34.32	53	10	3.43	5.30
310 Workplane	34.88	52	18	1.94	2.89
311 Workplane	0.00	0	0	N.A.	N.A.
312 Workplane	0.00	0	0	N.A.	N.A.
313 Workplane	0.00	0	0	N.A.	N.A.
316 Workplane	0.00	0	0	N.A.	N.A.
317 Workplane	0.00	0	0	N.A.	N.A.
318 Workplane	0.00	0	0	N.A.	N.A.
319 Workplane	0.00	0	0	N.A.	N.A.
320 Workplane	0.00	0	0	N.A.	N.A.
321 Workplane	0.00	0	0	N.A.	N.A.
322 Workplane	0.00	0	0	N.A.	N.A.
323 Workplane	0.00	0	0	N.A.	N.A.
324 Workplane	0.00	0	0	N.A.	N.A.
325 Workplane	0.00	0	0	N.A.	N.A.
326 Workplane	0.00	0	0	N.A.	N.A.
327 Workplane	0.00	0	0	N.A.	N.A.
328 Workplane	0.00	0	0	N.A.	N.A.
329 Workplane	0.00	0	0	N.A.	N.A.
330 Workplane	0.00	0	0	N.A.	N.A.
331 Workplane	0.00	0	0	N.A.	N.A.
332 Workplane	0.00	0	0	N.A.	N.A.
333 Workplane	0.00	0	0	N.A.	N.A.
334 Workplane	0.00	0	0	N.A.	N.A.
335 Workplane	0.00	0	0	N.A.	N.A.
336 Workplane	0.00	0	0	N.A.	N.A.
337 Workplane	0.00	0	0	N.A.	N.A.
338 Workplane	0.00	0	0	N.A.	N.A.
340 Workplane	0.00	0	0	N.A.	N.A.
341 Workplane	35.09	54	18	1.95	3.00
A Workplane	0.00	0	0	N.A.	N.A.
OPEN OFFICES Workplane	0.00	0	0	N.A.	N.A.

