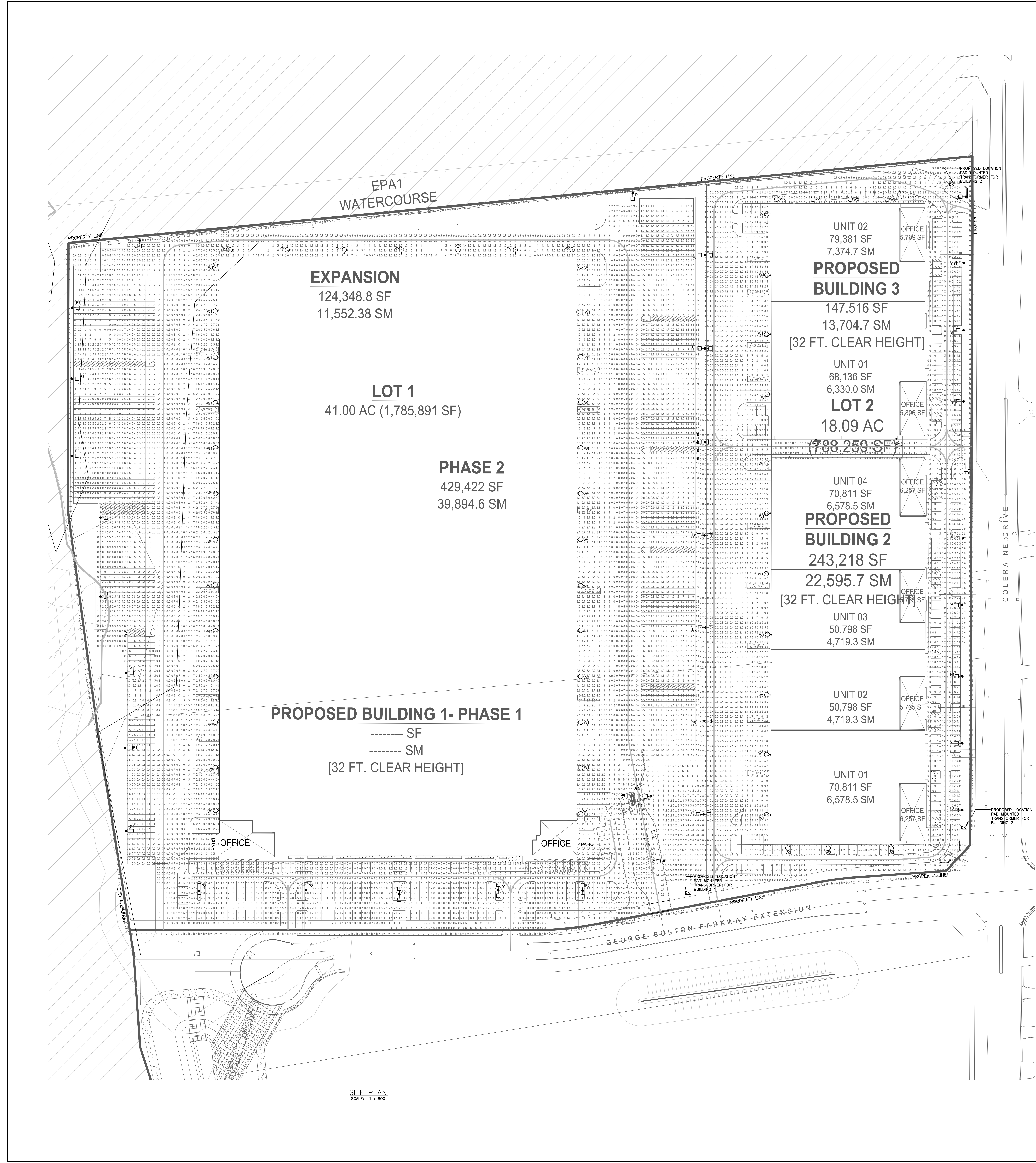




Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
BETWEEN UNIT 01 & 04	ILLUMINANCE	Fc	1.23	2.8	0.3	4.10
PHASE II	ILLUMINANCE	Fc	2.07	6.2	0.1	20.70
SITE	ILLUMINANCE	Fc	1.51	12.4	0.1	15.10
			124.00			

Luminaire Schedule						
Label	Arrangement	LUF	Description	Lum. Watts	Lum. Lumens	[REMARKS]
W1	SINGLE	0.900	161-922-800-NM-G2-4	241.2	25427	PHILLIPS GARCOO
W2	SINGLE	0.900	161-465-600-NM-G2-3	91.4	10653	PHILLIPS GARCOO
P1	SINGLE	0.900	BGP-S-64L-1A-NM-G2-4-HIS	205.9	19636	PHILLIPS GARCOO
P2	BACK-BACK	0.900	BGP-S-64L-900-NM-G2-3	177.8	21246	PHILLIPS GARCOO
P3	SINGLE	0.900	PPK6-276L-700-NM-G2-4-HIS	618	53819	PHILLIPS GARCOO
W3	SINGLE	0.900	161-922-800-NM-G2-3	180.7	21122	PHILLIPS GARCOO
P5	BACK-BACK	0.900	BGP-L-96L-1_2A-NM-G2-5W	365	41559	PHILLIPS GARCOO
W4	SINGLE	0.900	161-465-600-NM-G2-2	91	11000	PHILLIPS GARCOO



TYPE P1 & P2



TYPE P3



TYPE P5



TYPE W1, W2, W3 & W4

NOTE:
TYPE P1, P2, P3 AND P5 LIGHT STANDARDS ARE 29"-6" (9.0 metres) HEIGHT.
TYPE W1, W2, W3 & W4 ARE MOUNTED AT 29"-6" (9.0 metres) ON WALL.

- PHOTOMETRIC NOTES:
- THE PHOTOMETRIC REPORT REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA. THIS LABORATORY DATA IS TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH THE ILLUMINANCE ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRES MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN FOOTCANDLES, SHOWN ARE BASED ON THE SPECIFIED CRITERIA.
 - SUBSTITUTIONS/DEVIATIONS IN LUMINAIRES OR ALTERATIONS TO THE LAYOUT WILL AFFECT ILLUMINATION LEVELS SHOWN AND WILL NOT BE THE RESPONSIBILITY OF INVIRO ENGINEERS LTD.
 - ADJUSTMENTS TO ANGLE(ANGLE)S OF LUMINAIRES MAY BE REQUIRED TO ELIMINATE LIGHT TRIPSPREAD OR GLARE ONTO ADJACENT PROPERTIES.
 - OF ROADWAYS.
 - PHOTOCANDELS SHOWN ARE CONSIDERED MAINTAINED.
 - REFLECT TO LUMINANCE SCHEDULE FOR ALL LUMINAIRE AND POLE INFORMATION.
 - CURB/STREET LIGHTING ADJACENT STREET LIGHTING, ADJACENT PROPERTIES AND BUILDING OR POLE ADJACENT LIGHTING ARE NOT PART OF THIS PROJECT. ARE NOT REFLECTED IN THE PHOTOMETRIC REPORT. THE PHOTOMETRIC REPORT DOES NOT ACCOUNT FOR TOPOGRAPHY CHANGES UNLESS OTHERWISE INDICATED.
 - ALL LIGHT STANDARDS MEET THE CITY'S BIRD-FRIENDLY GUIDELINES AND ARE NIGHT SKY COMPLIANT.

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ES1
SPA FILE NO.: 19-44

PA / PM: MP
DRAWN BY: YN
JOB NO.: 17-365
SHEET
PLOT DATE:

SITE PLAN PHOTOMETRIC PLAN

DATE	REMARKS
02/07/2019	ISSUED FOR SPA
02/07/2019	ISSUED FOR SPA
02/07/2019	ISSUED FOR SPA
02/07/2019	ISSUED FOR SPA
02/07/2019	ISSUED FOR SPA
02/07/2019	ISSUED FOR SPA
02/07/2019	ISSUED FOR SPA
02/07/2019	ISSUED FOR SPA
02/07/2019	ISSUED FOR SPA
02/07/2019	ISSUED FOR SPA

PROJECT SET