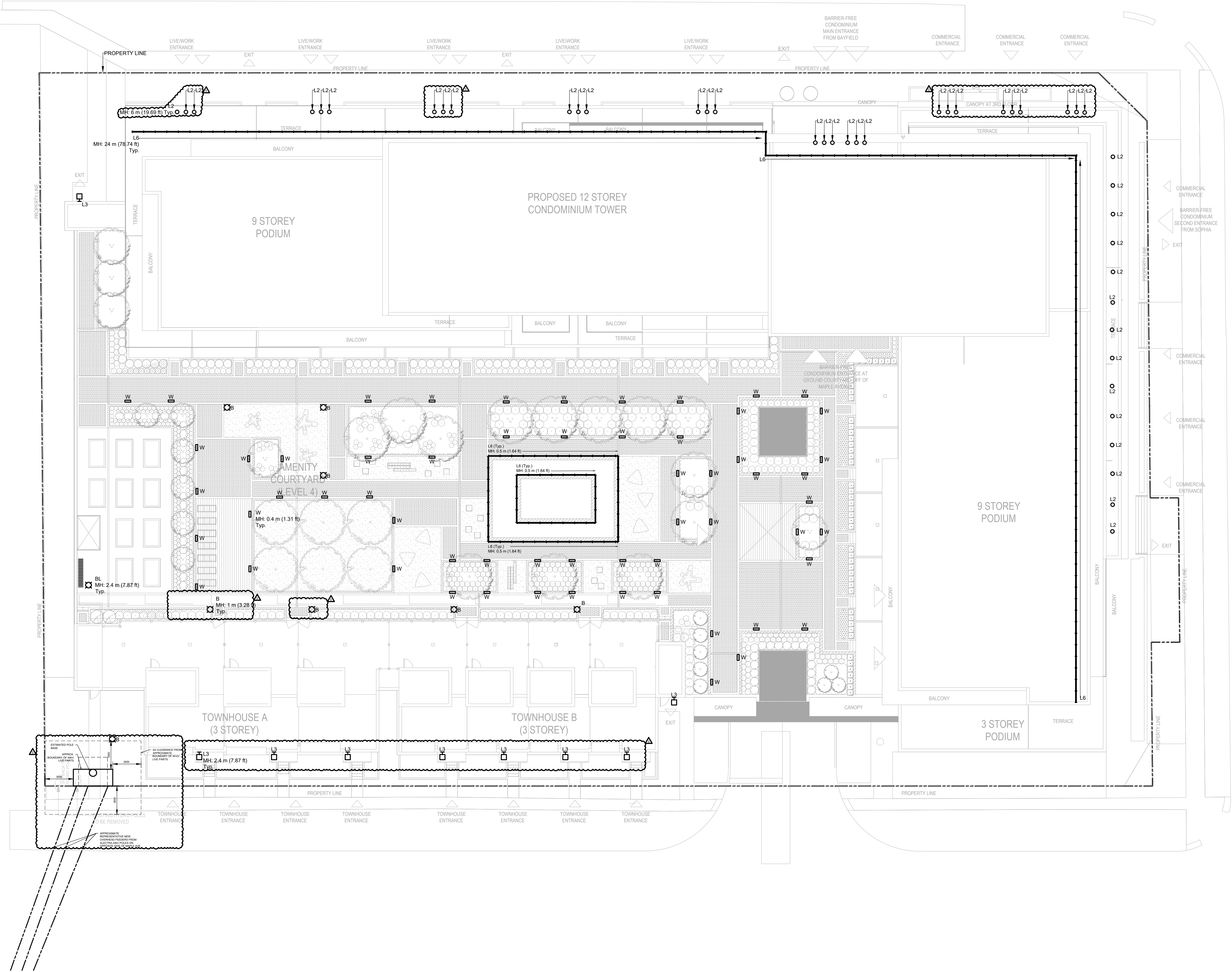


LUMINAIRE SCHEDULE							
SYMBOL	LABEL	DESCRIPTION	MANUFACTURER	LUMENS	LLD	WATTS	QUANTITIES
BL	B	PSYCH LED 3000K Type 1 114-0130	HE-ET USA	1000	0.060	21	80-10-02 8
BL	BL	OMY-SE-101 LED 2700K 40VLT 400-000	ELITE	2707	0.060	26	80-10-02 1
L2	L2	COM-40-1000-0100-000-000-000	SHAWTY Lighting	5017	0.060	14	80-10-02 43
L2	L2	KL3001 LED 3000K Medium Beam 101-0108	HE-ET USA	799	0.060	11	N/A 9
LA	LA	KBL-FV-0300-00-00-001	Luxline	714	0.060	13	80-01-02 191
W	W	Power CR-P004 0-000-K	Amtrak, LLC	24	0.060	0.4	80-01-02 80

- GENERAL SHEET NOTES**
- PHOTOMETRIC DATA POINTS ARE PROVIDED IN LUX ANALYSIS PERFORMED WITH 0.9 LIGHT LOSS FACTOR (LLF).
 - EXTERIOR LIGHTING MANUFACTURER TO SUBMIT PHOTOMETRIC ANALYSIS PLAN OF PROPOSED LUMINAIRES SHOWING DELIVERED LIGHT LEVELS (MEASURED IN LUX), AND DEMONSTRATE MINIMIZATION OF LIGHT TRESPASS.
 - UNDERGROUND LIGHTING CONDUCTORS MINIMUM 80' MIN.

- MUNICIPAL LIGHTING ORDINANCE - BARRIE**
- CITY OF BARRIE PROPERTY STANDARD BY LAW 2011-108.
30.1 A BARRIER OR DEFLECTOR SHALL BE PROVIDED TO PREVENT LIGHTING FROM SHINING DIRECTLY INTO AN ADJACENT DWELLING UNIT.
 - SITE PLAN APPLICATION
- SITE SERVING AND GRADING PLANS
- LOCATION OF ALL SIGNS AND ANY LIGHTING THEREOF AND LOCATION AND DIRECTION OF EXTERIOR LIGHTING.
- ELEVATIONS
- PROPOSED SIGNS, LIGHT, EQUIPMENT AND EQUIPMENT HOUSINGS.
 - SITE PLAN APPLICATION MANUAL
4.1.3 SITE PLANS
SITE PLANS MUST PROVIDE THE FOLLOWING INFORMATION: THE LOCATION OF SITE AMENITIES SUCH AS FURNITURE AND PEDESTRIAN LIGHTING.
4.1.5 ELECTRICAL PLAN
ELECTRICAL PLANS MUST PROVIDE THE FOLLOWING INFORMATION:
- THE LOCATION OF TRANSFORMERS AS APPROVED BY AUSTRIA UTILITIES (FORMERLY POWERSTREAMS)
NOT APPLICABLE
- THE POSITION OF ALL OUTDOOR LIGHTING FIXTURES (FREE-STANDING AND WALL MOUNTED), AND
- MAKE, MODEL AND MANUFACTURER OF WALL MOUNTED AND EXTERIOR SITE LIGHTING STANDARDS REFLECTING THE PROVISION OF DARK SKY LIGHTING.
4.1.7 ELEVATION PLANS
ELEVATION PLANS MUST PROVIDE THE FOLLOWING INFORMATION:
- THE LOCATION OF ALL WALL-MOUNTED SIGNAGE AND LIGHTING.
 - APPENDIX C - ENGINEERING
AN ELECTRICAL SITE PLAN SHALL BE SUBMITTED AND THE OWNER AGREES AND UNDERSTANDS THAT ALL SITE LIGHTING SHALL BE ARRANGED TO DEFLECT LIGHT AWAY FROM ADJOINING PROPERTIES AND ADJOINING STREETS, AND WHICH WILL REQUIRE FULL CUT-OFF FIXTURES FOR EXTERIOR PARKING LOT LIGHTING AND FULLY SHIELDED FIXTURES FOR WALL MOUNTED EXTERIOR LIGHTING. SHIELDED SHALL MEAN THAT 100% OF THE LUMENS EMITTED FROM THE LIGHT FIXTURE ARE PROJECTED BELOW AN IMAGINARY HORIZONTAL PLANE PASSING THROUGH THE HIGHEST POINT ON THE FIXTURE FROM WHICH LIGHT IS EMITTED, ALL TO THE SATISFACTION OF THE CITY'S ENGINEERING DEPARTMENT.
 - ILLUMINATION STUDY TERMS OF REFERENCE
A. LIGHTING PLANS
- The location of all existing and proposed exterior lighting fixtures
- The mounting height of all existing and proposed fixtures (from adjacent grade to underside of the fixture)
- The site areas and/or building elements intended to be illuminated
- That the lighting fixtures, electrical conduit, and wires to be illuminated do not conflict with existing or proposed vegetation
- Adaptations that all exterior lighting fixtures are full cut-off to direct illumination downward and dark sky compliant to reduce light pollution, sky glow, and light trespass onto neighbouring properties
- Manufacturer's data demonstrating the specifications for all proposed lighting fixtures, including the photometric data, designation as IESNA "Full cut-off" fixtures, and other descriptive information related to the fixtures
B. PHOTOMETRIC PLAN
- Provide all illumination levels in lux
- Demonstrate illumination levels of 0.5 lux measured at all property lines
- Provide readings that extend 0.5m beyond the property lines of the subject site



5	2022-08-29	ISSUED FOR SPA RE-SUBMISSION	RT
4	2022-04-08	ISSUED FOR SPA RE-SUBMISSION	RT
3	2021-07-07	RE-ISSUED FOR ZONING AND SPA SUBMISSION	RT
2	2021-06-29	ISSUED FOR CLIENT REVIEW	RT
1	2020-05-01	ISSUED FOR REZONING AND SPA SUBMISSION	RT
No.	DATE	DESCRIPTION	CHD

REVISIONS

THE SPECIFICATIONS ARE TO BE CONSIDERED AS AN INTEGRAL PART OF THESE DRAWINGS AND NEITHER THE DRAWINGS NOR THE SPECIFICATIONS SHALL BE USED ALONE. REFER TO DIMENSIONS DO NOT SCALE

PROJECT NORTH

QUASAR CONSULTING GROUP

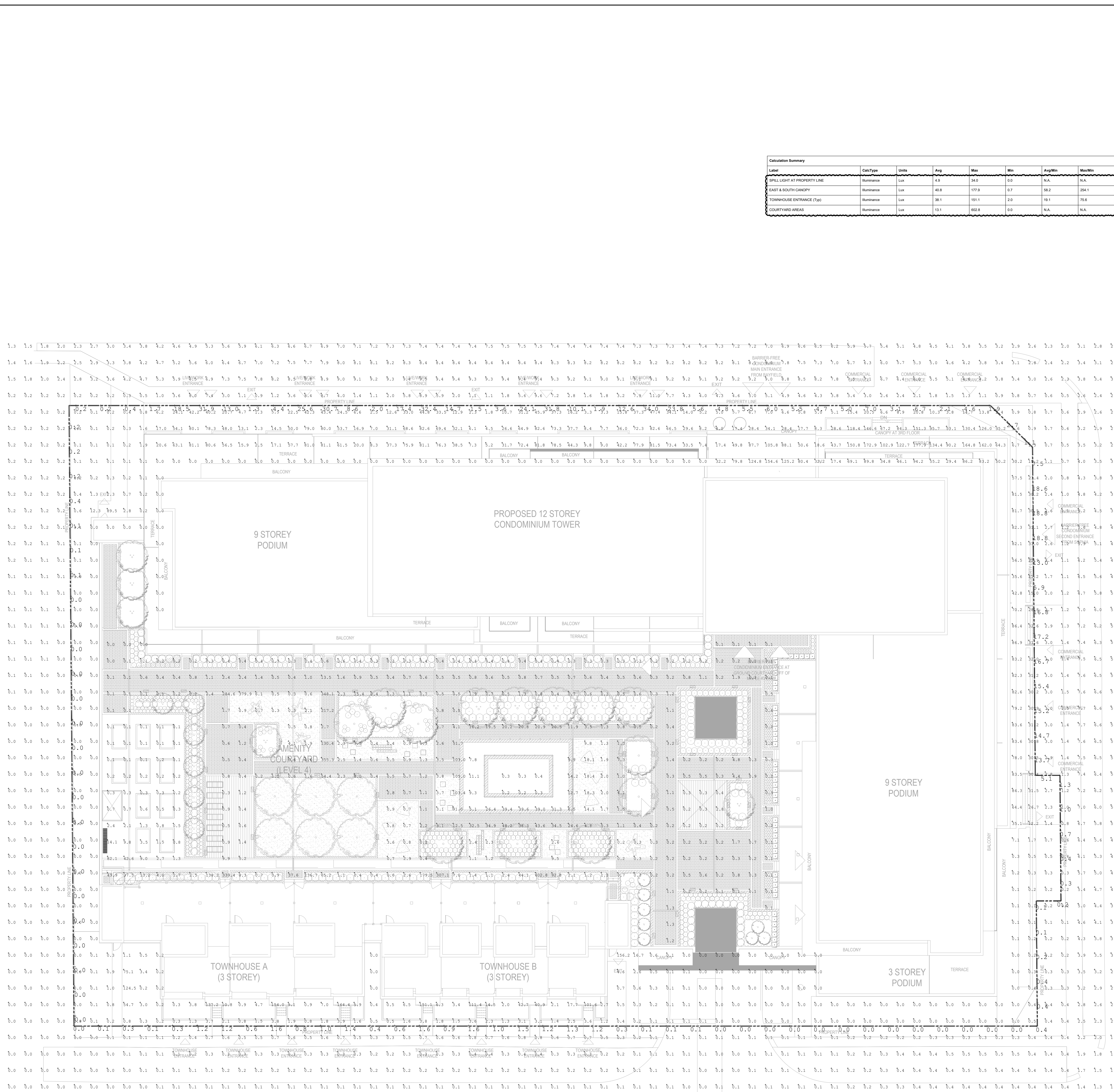
250 ROWNTHREE DARY RD, WOODBRIDGE, ON
TEL: 905-507-0800
WEB: WWW.QUASARGROUP.COM

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE EMAIL:
RE-19-148@QUASARGROUP.COM

PROJECT
ROCKAP HOLDINGS
136 Bayfield St Barrie Rezone & SPA

TITLE
SITE PLAN

CHECKED RT	PROJECT No. RE-19-148
SCALE AS SHOWN	DRAWING No. EA-100



Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	ApplWt
SPILL LIGHT AT PROPERTY LINE	Distance	Loc	4.9	34.0	0.0	N/A
EAST & SOUTH CANOPY	Distance	Loc	42.8	177.9	0.7	38.2
TOWNHOUSE ENTRANCE (PH)	Distance	Loc	26.1	26.1	2.8	60.1
COURTYARD WALK	Distance	Loc	11.1	60.0	0.0	N/A

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 - UNDERGROUND LIGHTING CONDUCTORS MINIMUM 6" DEPTH.

- MUNICIPAL LIGHTING ORDINANCE - BARRIE**
1. CITY OF BARRIE PROPERTY STANDARD BY-LAW 2011-18
- 3.4. A BARRIER OR DEFLECTOR SHALL BE PROVIDED TO PREVENT LIGHTING FROM SHINING DIRECTLY INTO AN ADJACENT DWELLING UNIT.
2. SITE PLAN APPLICATION
- SITE, SERVING AND GRADING PLANS
3. LOCATION OF ALL SIGNS AND ANY LIGHTING THEREOF AND LOCATION AND DIRECTION OF EXTERIOR LIGHTING.
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- 4.1.7. ELEVATION PLANS
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PROJECT NORTH

QUASAR CONSULTING GROUP

250 ROWNTREE DARY RD, WOODBRIDGE, ON
TEL: 905-607-0800
WEB: WWW.QUASARGC.COM

FOR QUESTIONS REGARDING THIS PROJECT, PLEASE EMAIL: RE-19-148@QUASARGC.COM

PROJECT
ROCKTAP HOLDINGS
136 Bayfield St
Barrie, Ontario

TITLE
SITE PLAN PHOTOMETRICS

CHECKED
RT

PROJECT No.
RE-19-148

SCALE
AS SHOWN

DRAWING No.
EA-101