

- CONSTRUCTION NOTES:**
1. STREETLIGHT POLES SHALL BE PLACED 1.0m BACK OF CURB OR 0.5m BACK OF SIDEWALK WHERE PRESENT.
 2. STREETLIGHTS ARE TO BE LOCATED AT A MINIMUM DISTANCE OF 3.0m FROM TRANSFORMERS.
 3. STREETLIGHTS ARE TO BE LOCATED AT A MINIMUM DISTANCE OF 1.5m FROM THE EDGE OF PAVEMENT AT ALL DRIVEWAYS.
 4. ALL ROAD CROSSINGS SHALL BE CONSTRUCTED PRIOR TO THE PLACEMENT OF BASE COURSE ASPHALT.
 5. THE MINIMUM DEPTH OF COVER FOR STREETLIGHT ROAD CROSSING AND DRIVEWAY CROSSING DUCTS SHALL BE 1.0m TO THE TOP OF THE CONDUIT.
 6. ENTIRE INSTALLATION TO BE IN ACCORDANCE WITH THE E.S.A.
 7. THE LAST LIGHT ON EACH STREET LIGHT CIRCUIT SHALL BE GROUNDED AS PER THE E.S.A.

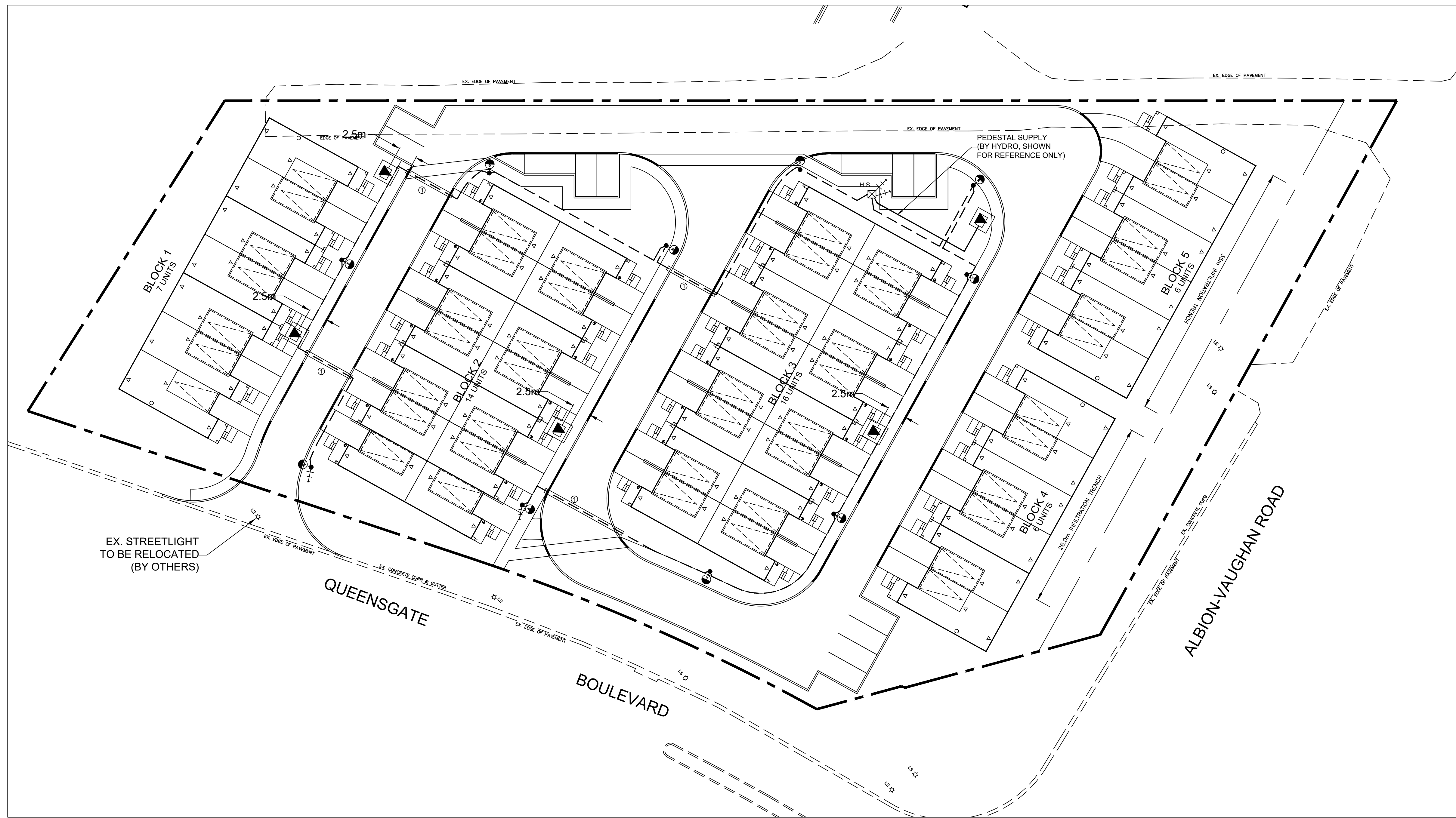
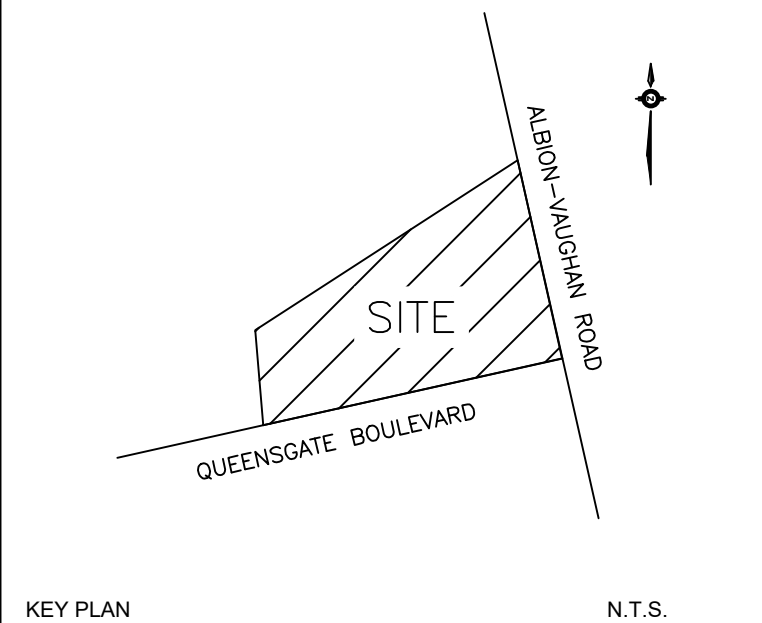
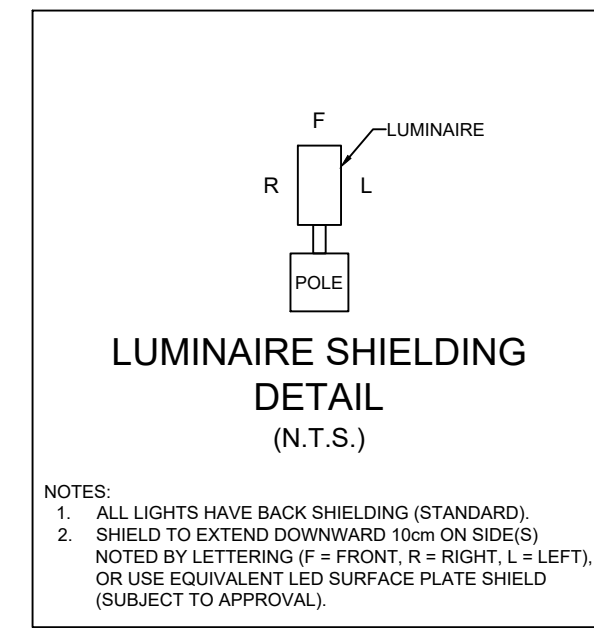
EVOLVE

OUTDOOR NAME: _____
PROJECT NAME: _____
DATE: _____ TIME: _____
LOCAL NUMBER: _____

EACL[®] Series
LED Area Light Components Low Voltage
Current's EACL Series of Area Light Components offer a wide range of optical patterns, color temperatures, lumen packages, and mounting configurations to address a wide range of applications, as well as provide versatility in lighting design within the same form factor.

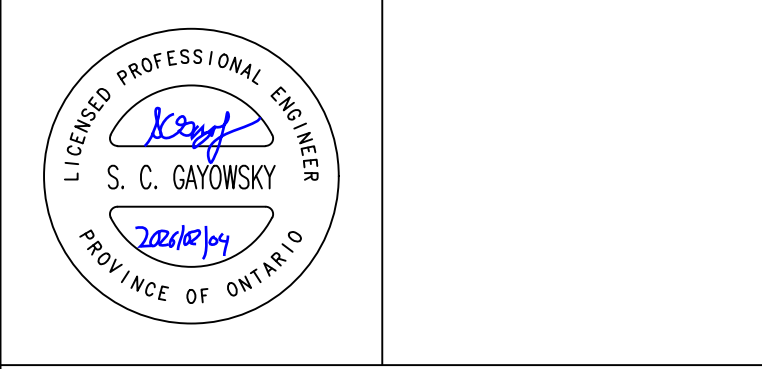
Construction		Lumen Maintenance	
Housing: Die cast aluminum housing with integral heat sink for maximum heat transfer.	Construction method: powder coated, pre-ventilated aluminum.	Projected Lux per 80W 180-240° at 30°:	Expected Life:
Finish: Anodized aluminum (black, silver, white, grey, and custom colors available).	Optical material: clear polycarbonate.	Color Temperature:	Warranty:
Weight: 18.8kg (41.5 lbs) depending on configuration.			
Optical System		Luminaire Ambient Temperature Factor	
Lumens: 2000 - 20000	Distribution: Asymmetric, Symmetric, Type IV, Asymmetric, Wide Type IV, Asymmetric, Narrow Type IV	AMBIENT TEMPERATURE FACTOR:	AMBIENT TEMPERATURE FACTOR:
Beam Spread: 13° - 45° (typical)	Optical Efficiency: 90%	20	100
CEC: 3000K, 4000K, 5000K	CEC: 3000K, 4000K, 5000K	25	100
CEC: 40	CEC: 40	30	100
Electrical		Controls	
Input Voltage: 120-277V & 347-480V	Input Frequency: 50/60Hz	Operation: 0° to 180°	Temperature: 30°C to 50°C
Power Factor: > 0.95 (at rated output)	Thermal Protection: Overload, Short Circuit, Overtemp	Vibration: 30g vibration per IEC 60068-2-25	Shock: 10g shock per IEC 60068-2-27
Surge Protection: > 20kA (at rated output)		Dimensions: 180mm x 180mm x 180mm	Controls: On/Off, Dimmer, Occupancy, Motion
Warranty: 5 Year (standard)		Dimensions: 180mm x 180mm x 180mm	Sensors: Photo, Motion, Sound, PIR, etc.

TOWN OF CALEDON
PLANNING
RECEIVED
March 12, 2026



- LEGEND**
- PRIVATE LIGHTING * BLACK ECLIPSE[®] SQUARE TAPERED POLE 30' TOTAL WITH 36W SHOEBOX STYLE BLACK LED LUMINAIRE C/W 10' ARM AND HOUSE SIDE SHIELD.
POLE CAT#: E300-BPT-G-E11 S/F LED AREA LIGHTER LUMINAIRE CAT#: EACL-01-0-54-AW-7-30-N-A-D1-BLCK-F-L COMPLETE WITH INDIVIDUAL LONG LIFE PHOTO CONTROL.
PHOTOMETRIC FILE: EACL01_B4AW730...IES
ALL LUMINAIRES ARE TO BE DARK SKY COMPLIANT. ALL LUMINAIRES ARE TO HAVE 7-PIN ANSI 136-41 PHOTOCONTROL RECEPTACLES AND LONG-LIFE PHOTOCELLS.
 - SAME AS ABOVE BUT WITH ADDITIONAL LIGHT SHIELD. SHIELD SIDE LOCATION AS NOTED BY LETTER (F=FRONT, L = LEFT SIDE, R = RIGHT SIDE). ALL SITE LIGHTS ARE SPECIFIED WITH BACK SHIELDS AS DEFAULT. REFER TO SHIELDING DETAIL ON THIS SHEET.
 - STREETLIGHT CABLE: 2-#6 RWU-90 CU. C/W 1-#6 RWU-90 CU. JACKETED GREEN GND IN CONTINUOUS 50mm PVC TYPE 2 DUCT IN COMPLETE ACCORDANCE WITH E.S.A. STANDARDS & SPECIFICATIONS.
 - HYDRO ONE TRANSFORMER FOR ELECTRICAL DISTRIBUTION SYSTEM. FOR DETAILS SEE DRAWINGS BY HYDRO ONE DISTRIBUTION INC.
 - 100mm PVC DIRECT BURIED DUCT, CO-LOCATED WITH HYDRO CROSSINGS, WHERE POSSIBLE.
 - GROUND ROD, 3m (10') GALVANIZED STEEL GROUND ROD IN ACCORDANCE WITH THE E.S.A. AND TOWNSHIP OF KING.
 - HOUSE SERVICE PANEL: LOCKABLE WEATHERPROOF FREE STANDING PANEL C/W METERBASE FOR SUPPLY TO PRIVATE STREET LIGHTING SYSTEM WITH 1-15AMP CIRCUIT BREAKER PER STREET LIGHTING CABLE COMPLETE UNIT TO BE MANUFACTURED BY PEDESTAL SOLUTIONS INC. AND TO BE IN ACCORDANCE WITH ELECTRICAL SAFETY AUTHORITY INSPECTION REQUIREMENTS. METERING TO BE IN ACCORDANCE WITH HYDRO ONE REQUIREMENTS.

R1	2026.01.27	SL CIRCUITRY ADDED	S.C.G.
REV	*****MM.DD	DESCRIPTION	BY CHECKED



RTG SYSTEMS INC.
ELECTRICAL CONSULTING ENGINEERS
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BURLINGTON ON L7M 1A8 Toronto: (905) 827-7887
E-MAIL: general@rtgsystems.com 06597-00

TOWN OF CALEDON
QUEENSGATE MOSAIK
12944 ALBION VAUGHAN ROAD
SITE LIGHTING PLAN

APPROVED FOR CONSTRUCTION
THIS APPROVAL CONSTITUTES A GENERAL REVIEW AND DOES NOT CERTIFY DIMENSIONAL ACCURACY.
THIS APPROVAL IS SUBJECT TO THE FURTHER CERTIFICATION OF THE "AS CONSTRUCTED" WORKS BY A REGISTERED PROFESSIONAL ENGINEER OF THE PROVINCE OF ONTARIO.
DATE: _____ APPROVED BY: _____

DWG BY	DATE	CKD BY	DATE
S.C.G.	2026.01.12		
SCALE	DRAWING NO.	SHEET 1 OF 2	
1:300 (EXCEPT SYMBOLS)	SL-1		

