

1 : 300

THE LIGHTING ZONE CLASSIFICATION APPLICABLE TO THIS SITE IS 'LZ2' AS DESCRIBED BY THE IES/DARK SKY ASSOCIATION MODEL LIGHTING ORDINANCE PART II.

THE LIGHT POLLUTION HAS BEEN LIMITED TO THE ALLOWABLE VALUES AS DESCRIBED IN THE MODEL LIGHTING ORDINANCE. LIGHT FIXTURES DO NOT DIRECT LIGHT ABOVE 90 DEGREES (HORIZONTAL).

THE MAXIMUM LIGHT LEVEL AT THE PROPERTY LINE IS 2 LUX.

THE SITE LIGHTING HAS BEEN DESIGNED TO CONFORM TO THE FOLLOWING STANDARDS AND/OR GUIDELINES:

1. CITY OF OTTAWA SITE LIGHTING GUIDELINES.
2. IES RP-20-14 LIGHTING FOR PARKING FACILITIES (UNCOVERED).
3. IES RP-33-14 LIGHTING FOR EXTERIOR ENVIRONMENTS

LIGHTING CONTROL WILL BE PROVIDED IN ACCORDANCE WITH THE ONTARIO BUILDING CODE SUPPLEMENTAL BULLETIN 10 (SB-10) AND ASHRAE 90.1.

A. PHOTOMETRIC UNITS ARE IN LUX. 1 LUX = 0.929 FOOT CANDLES

B. REFER TO DRAWING E1-02 FOR STANDARD POLE BASE DETAIL.

Luminaire Schedule			
Scene: NORMAL			
Label	Description	Lum. Watts	Lum. Lumens
CW1	WAC WS-W65607	17	849
D1	HALO SL-D406830WH	12	750
P1	SIGNIFY MPIC-3-2W45LED3K-C2-LE5	73	6200
P2	SIGNIFY MPIC-3-2W45LED3K-C2-LE5	73	6200
P3	SIGNIFY MPIC-3-2W45LED3K-C2-LE4-HS	56	3635
W1	LEOTEK ES1-24H-MW-WF-XX-350	28	3146

Calculation Summary							
Scene: NORMAL							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
EXITS	Illuminance	Lux	N.A.	21	12	N.A.	N.A.
PROPERTY LINE	Illuminance	Lux	1	3	0	N.A.	N.A.

- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETERS OR METERS.
 2. TOP OF FOUNDATION SHALL BE TROWELED SMOOTH AND LEVEL.
 3. USE TYPE "C" CONCRETE*
 4. PROVIDE A 19 mm DIA. 3000 mm LONG STEEL COPPER COATED GROUND ROD ADJACENT TO POLES AS SHOWN ON PLAN AND CONNECT TO LIGHT FIXTURE POLE WITH BARE COPPER CONDUCTOR
 5. GEOTECHNICAL ENGINEER MUST REVIEW SOIL CONDITIONS FOR FOUNDATION AND VERIFY EMBEDMENT MATERIAL.
 6. AS PART OF THE BUILDING PERMIT DOCUMENTS, THE DESIGN BUILDER IS RESPONSIBLE TO PROVIDE STRUCTURAL P.E. ENG DESIGN FOR LIGHT STANDARD BASE.
-
- WALKWAY / DRIVEWAY LEVEL
- EMBEDMENT LENGTH INTO UNDISTURBED NATIVE SOIL *
- 600 MIN.
- 2#10+1#10G IN 50 mm DIA. CONDUIT BETWEEN POLES (SEE 16320).
- ADAPTER COUPLING (SEE 16375)
- 460°
- 915
- 600
- 50 mm RIGID PVC CONDUIT SLEEVE -915 mm RADIUS (SEE 16320).
- TOP OF CONVENTIONAL FIBER FORM AT 50 mm BELOW TOP OF FINISHED GRADE.
- REINFORCEMENT TIES PER STRUCTURAL DRAWINGS.
- GALVANIZED STEEL 'J' BOLTS SUPPLIED BY POLE MANUFACTURER
- CAST IN PLACE ARCHITECTURAL CONCRETE BASE COMPLETE WITH FORMWORK (ARTFORMS NEWAVEA \$10R-LOW OR EQUAL).
- LOCK & LEVELING NUTS
- LIGHT POLE COVER
- LIGHT POLE
- * CONFIRM WITH STRUCTURAL ENGINEER

1:20



Prints issued to

Particulars	No.	Date	By
SITE PLAN APPROVAL 1	1	03.JUL.20	DB
SITE PLAN APPROVAL 2	2	17.DEC.20	DB

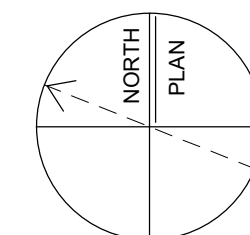
Particulars	No.	Date	By
-------------	-----	------	----

Revisions to drawing

exp Services Inc.
1266 South Service Road, Suite C1-1
Stoney Creek, ON L8E 5R9
CANADA t: +1.905.525.6069

www.exp.com

• BUILDINGS • EARTH & ENVIRONMENT • ENERGY •
• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY



Project title

REVERA OTTAWA

850 CHAMPLAIN ROAD

Project number	Date issued AS NOTED	Scale AS NOTED
GR8-00020059-00	Drawn by Author	Date 06/05/20

Sheet title SITE LIGHTING PHOTOMETRIC PLAN	Drawing no. E1-03
--	-----------------------------