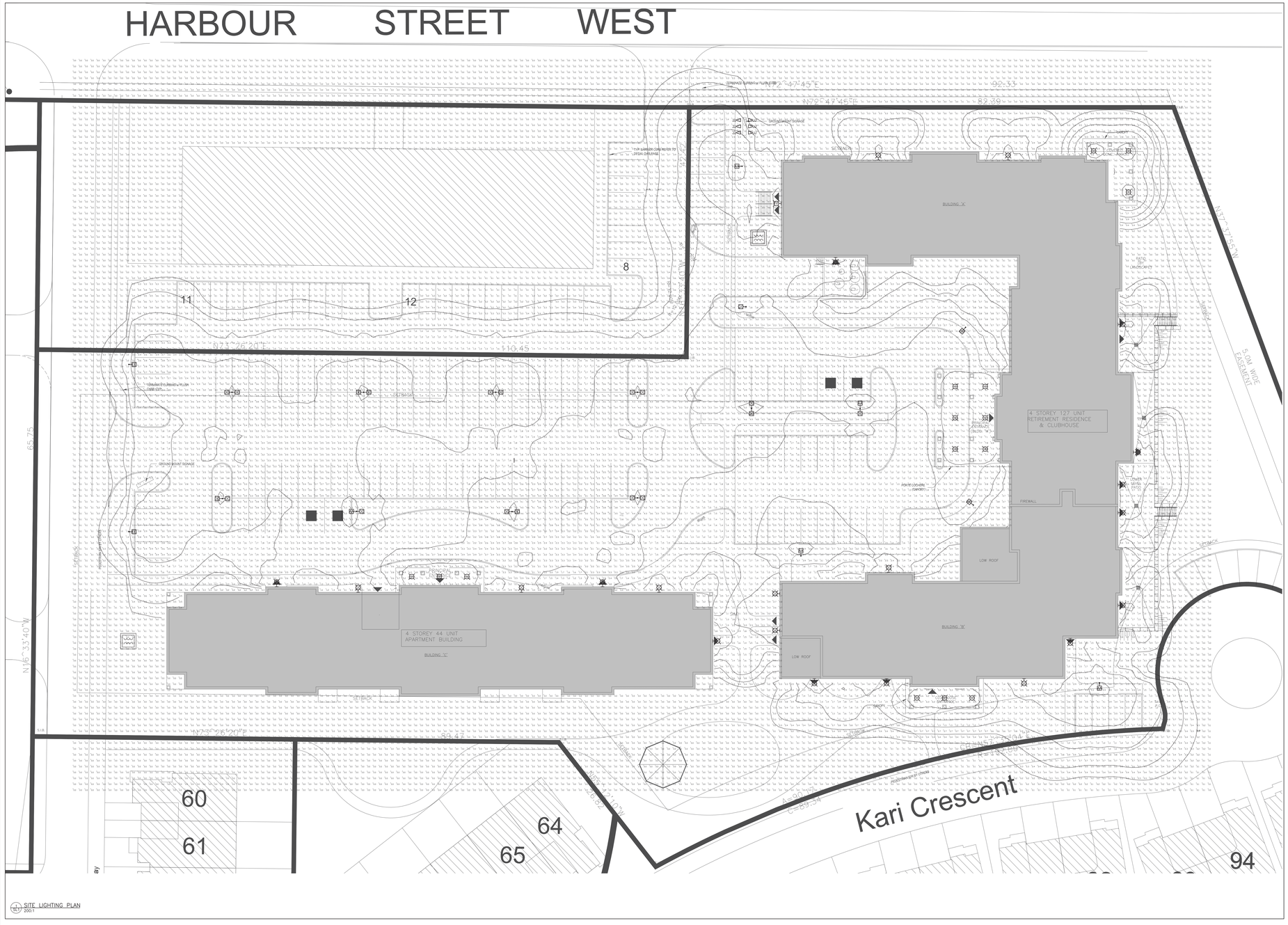


1 SITE LIGHTING PLAN
SCL 200:1

ELECTRICAL LEGEND

	POLE LIGHT FIXTURE (z = TYPE AS PER SCHEDULE)
	LIGHT FIXTURE (z = TYPE AS PER SCHEDULE)
	WALL MOUNTED LIGHT FIXTURE (z = TYPE AS PER SCHEDULE)
	LOW VOLTAGE SIGN LIGHT

SITE LIGHTING NOTES:

1. THIS DRAWING IS FOR FIXTURE LOCATIONS AND PHOTOMETRIC LAYOUT OF SITE LIGHTING ONLY. CONTACT ELECTRICAL CONSULTANT FOR BUILDING ELECTRICAL SITE PLAN TO CONFIRM LAYOUT OF CONDUIT ROUTING, CIRCUIT ARRANGEMENT, AND WIRE SIZING.
2. VOLTAGE OF FIXTURES ARE TO BE VERIFIED WITH THE ELECTRICAL SITE PLAN PRIOR TO ORDERING OF FIXTURES.
3. ELEVATIONS OF BASES ARE TO BE COORDINATED WITH SITE GRADING PLAN.
4. LIGHT STANDARDS ARE TO BE COORDINATED WITH WINDOW LOCATIONS. ANY FIXTURES WITHIN 10' (3m) OF THE BUILDING OR ANY CHANGES MADE TO THE BUILDING ENVELOPE ARE TO BE BROUGHT TO THE ATTENTION OF THE SITE LIGHTING CONSULTANT OR PROJECT MANAGER.
5. SUBSTITUTIONS OF LIGHT FIXTURES ARE NOT PERMITTED. IF THE CONTRACTOR SUBSTITUTES LIGHTING FIXTURES THE CONTRACTOR SHALL PROVIDE A NEW PHOTOMETRIC LAYOUT PREPARED AND DONE BY THE OFFICE OF THE SITE LIGHTING CONSULTANT AND ALL COSTS ASSOCIATED WITH SITE PLAN RE-SUBMISSION TO THE CITY.
6. PHOTOMETRICS SHOWN CONSIDER ALL FACTORS AFFECTING LIGHT OUTPUT LEVELS SUCH AS LAMP AND BALLAST DEPRECIATION AND DIRT ACCUMULATION OVER AN ESTIMATED ONE-YEAR PERIOD.
7. POLE LIGHTING INCORPORATES AN INTERNAL MOTION-SENSOR TO DIM FIXTURES TO 50% OF MAXIMUM OUTPUT. WHEN THE MOTION-SENSOR IS ACTIVATED THE NO-MOTION LEVELS WILL BE APPROXIMATELY 50% OF THOSE SHOWN.
8. LIGHT OUTPUT FROM EXISTING FIXTURES ARE NOT TAKEN INTO ACCOUNT IN THIS PHOTOMETRIC PLAN.

TYPE 'FF'+'GG'

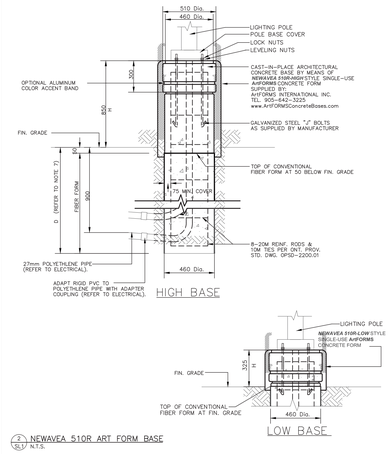
TYPE 'AA'+'BB'+'CC'+'DD'+'EE'

TYPE 'HH'

POLE LENGTH	BASE BURIAL DEPTH 'D'	REINF. ROD LENGTH
(m)	(m)	(m)
3.0	1.50	H + 1.35
5.6	2.15	H + 2.00
7.0	2.15	H + 2.00
7.5	2.15	H + 2.00
8.7	2.45	H + 2.30
9.0	2.45	H + 2.30
10.5	2.60	H + 2.45

NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES OR METRES.
2. TOP OF FOUNDATION SHALL BE TROWELLED SMOOTH & LEVEL.
3. SOIL BEARING CAPACITY SHALL BE 25kPa. CONCRETE SHALL BE VIBRATED.
4. MINIMUM OF TWO SLEEVES REQUIRED FOR EACH CONC. FOUNDATION UNLESS OTHERWISE SHOWN.
5. PROVIDE A 19mm DIA. 3000mm STEEL COPPER COATED GROUND ROD ADJACENT TO POLES AS SPECIFIED ON PLAN AND CONNECT TO METAL POLE WITH #6 BARE COPPER CONDUCTOR.
6. CONTRACTOR TO VERIFY OPENING SIZE IN POLE BASE PLATE PRIOR TO SETTING CONDUIT SLEEVES.
7. SUBJECT TO SOIL CONDITIONS, REFER TO SOILS REPORT.
8. FORM RELEASE AGENT HAS BEEN FACTORY-APPLIED TO INSIDE SURFACE OF "AntiFORM".

** REFER TO ART FORM BASE FOR ACTUAL INSTALLATION **
** REQUIREMENTS. DETAIL PROVIDED FOR REFERENCE OF **
** APPROXIMATE WORK REQUIRED TO INSTALL ONLY. **



2 NEWAVEA 510R ART FORM BASE
SCL N.T.S.

EXTERIOR LUMINAIRE SCHEDULE

TYPE	ACCEPTABLE MANUFACTURES	MODELS	CATALOGUE NUMBERS	DESCRIPTION VOLTAGE, LAMPS WATTAGE	LOCATION MOUNTING HEIGHT	NOTES
AA	LITHONIA	D SERIES	DSXO LED 40C 700 40K T4M MVOLT SPA PIR DDBXD	AREA LIGHT (T4M) 40 LEDS (91W) 120–277V	OUTDOOR POLE 4.57m(15')	CONFIRM COLOUR PRIOR TO ORDERING. PROVIDE 1.65m(12') SQUARE STEEL POLE AND 0.61m(2') CONCR. POLE BASE. COORDINATE INSTALLATION WITH GRADE.
BB	LITHONIA	D SERIES	DSXO LED 20C 1000 40K T4M MVOLT SPA PIR DDBXD	AREA LIGHT (T4M) 20 LEDS (74W) 120–277V	OUTDOOR POLE 4.57m(15')	CONFIRM COLOUR PRIOR TO ORDERING. PROVIDE 1.65m(12') SQUARE STEEL POLE AND 0.61m(2') CONCR. POLE BASE. COORDINATE INSTALLATION WITH GRADE.
CC	LITHONIA	D SERIES	DSXO LED 20C 1000 40K TSM MVOLT SPA PIR DDBXD	AREA LIGHT (TSM) 20 LEDS (74W) 120–277V	OUTDOOR POLE 4.57m(15')	CONFIRM COLOUR PRIOR TO ORDERING. PROVIDE 1.65m(12') SQUARE STEEL POLE AND 0.61m(2') CONCR. POLE BASE. COORDINATE INSTALLATION WITH GRADE.
DD	LITHONIA	D SERIES	DSXO LED 20C 1000 40K TFTM MVOLT SPA PIR DDBXD	AREA LIGHT (TFTM) 20 LEDS (74W) 120–277V	OUTDOOR POLE 4.57m(15')	CONFIRM COLOUR PRIOR TO ORDERING. PROVIDE 1.65m(12') SQUARE STEEL POLE AND 0.61m(2') CONCR. POLE BASE. COORDINATE INSTALLATION WITH GRADE.
EE	LITHONIA	D SERIES	DSXO LED 20C 1000 40K T4M MVOLT SPA FOR MS DDBXD *HOUSE SIDE SHIELD	AREA LIGHT (T4M) 20 LEDS (74W) 120–277V	OUTDOOR POLE 4.57m(15')	CONFIRM COLOUR PRIOR TO ORDERING. PROVIDE 1.65m(12') SQUARE STEEL POLE AND 0.61m(2') CONCR. POLE BASE. COORDINATE INSTALLATION WITH GRADE.
FF	LITHONIA	WST LED	WST LED 3 30A700 / 40K SR4 MVOLT SPA/PIR DDBXD	WALL PACK (SR4) 30 LEDS (47W) 120–277V	OUTDOOR WALL 3M	OWNERS TO CONFIRM COLOUR PRIOR TO ORDERING.
GG	LITHONIA	WST LED	WST LED 1 10A700 / 40K SR4 MVOLT SPA/PIR DDBXD	WALL PACK (SR4) 10 LEDS (24W) 120–277V	OUTDOOR WALL 3M	OWNERS TO CONFIRM COLOUR PRIOR TO ORDERING.
HH	GOTHAM	LAH	LAH 7OM 11 R2 T23 120 MVOLT DDBXD	DOWNLIGHT 1–20W MH 120V	CANOPY RECESSED	LAMP COLOUR TEMPERATURE TO BE 4000K
JJ	HUNZA	EURO_SPOT ESS SS	ESS SS 20W MR11 / 300 CAR 150	SIGN_LIGHT 1–20W MR11 12/120V	EXTERIOR GROUND 0'–0"	STAINLESS STEEL FINISH, 300mm SPIKE, JOINT KIT, C/W WATTOC WALL MOUNT TRANSFORMER TRANSFORMER TO BE MOUNTED TO BACK OF SIGN

No	REVISION	DATE
5		
4		
3		
2		
1	ISSUED FOR SPA	JULY 22, 2015

MIGHTON ENGINEERING
300 VICTORIA ST N, 2ND FL KITCHENER, ON N2H 5R9
PH (519) 745-3703
FAX (519) 745-0081
WEB www.mighton.com

PROJECT TITLE:
BALMORAL VILLAGE
RESIDENCE AND APARTMENTS
COLLINGWOOD, ONTARIO

DRAWING TITLE:
SITE LIGHTING PLAN

DRAWN BY: ES	CUSTOMER PROJECT No. 14–1275
CHECKED BY: SH	MIGHTON PROJECT No. 150537
DATE: JULY 2015	DRAWING No. SL1
SCALE: AS NOTED	