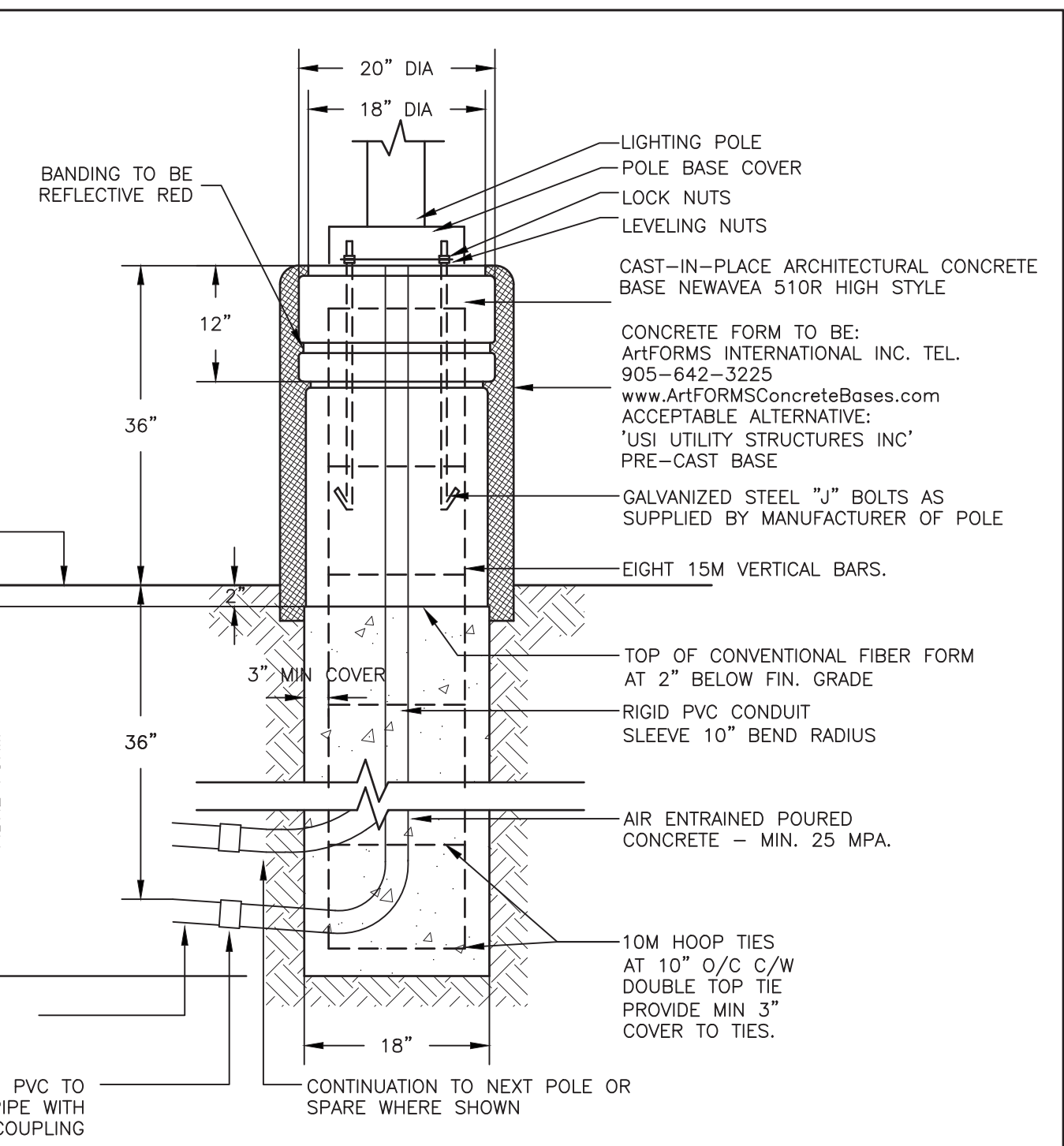


KEY PLAN

SITE PLAN  
1:200

- NOTES:
- ALL DIMENSIONS ARE IN NOMINAL FEET OR INCHES.
  - TOP OF FOUNDATION SHALL BE TROWELLED SMOOTH & LEVEL.
  - CONCRETE SHALL BE 3000 P.S.I. AND SHALL BE VIBRATED.
  - MINIMUM OF TWO SLEEVES REQUIRED FOR EACH CONC. FOUNDATION UNLESS OTHERWISE SHOWN.
  - CONTRACTOR TO VERIFY OPENING SIZE IN POLE BASE PLATE PRIOR TO SETTING CONDUIT SLEEVES.
  - FORM RELEASE AGENT HAS BEEN FACTORY-APPLIED TO INSIDE SURFACE OF "ARTFORM".



REFER TO MANUFACTURER'S DETAIL FOR ACTUAL INSTALLATION INSTRUCTIONS. DETAIL IS PROVIDED AS AN APPROXIMATION OF THE WORK REQUIRED TO INSTALL AND MAY NOT REPRESENT CURRENT REQUIREMENTS.

ARTFORMS POLE BASE  
N.T.S.

LIGHTING LEVEL CALCULATIONS	
MEASUREMENT (ZONE#1)	HORIZONTAL ILLUMINATION (FC)
AVERAGE	1.2
MAXIMUM	1.8
MINIMUM	0.6
MAXIMUM:MINIMUM	3.0:1
AVERAGE:MINIMUM	2.0:1

LIGHTING LEVEL CALCULATIONS	
MEASUREMENT (ZONE#2)	HORIZONTAL ILLUMINATION (FC)
AVERAGE	1.4
MAXIMUM	2.1
MINIMUM	0.7
MAXIMUM:MINIMUM	3.0:1
AVERAGE:MINIMUM	2.0:1

LIGHTING LEVEL CALCULATIONS	
MEASUREMENT (ZONE#3)	HORIZONTAL ILLUMINATION (FC)
AVERAGE	1.5
MAXIMUM	2.1
MINIMUM	1.0
MAXIMUM:MINIMUM	2.1:1
AVERAGE:MINIMUM	1.5:1

ELECTRICAL LEGEND	
	WALL MOUNTED LIGHT FIXTURE (z = TYPE AS PER SCHEDULE)
	LIGHT FIXTURE (z = TYPE AS PER SCHEDULE)
	POLE LIGHT FIXTURE (z = TYPE AS PER SCHEDULE)

SITE LIGHTING NOTES:

- 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.
- VOLTAGES OF FIXTURES ARE TO BE VERIFIED WITH THE ELECTRICAL SITE PLANS PRIOR TO ORDERING FIXTURES.
- ELEVATIONS OF BASES ARE TO BE COORDINATED WITH SITE GRADING PLAN.
- 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.
- SUBSTITUTIONS OF LIGHT FIXTURES ARE NOT PERMITTED. IF THE CONTRACTOR SUBSTITUTES LIGHTING FIXTURES THE CONTRACTOR SHALL CARRY ALL COSTS TO HAVE PHOTOMETRIC CALCULATIONS DONE BY THE OFFICE OF THE SITE LIGHTING CONSULTANT AND ALL COSTS ASSOCIATED WITH SITE PLAN RE-SUBMISSION TO THE CITY.
- PHOTOMETRICS SHOWN CONSIDER ALL FACTORS AFFECTING LIGHT OUTPUT LEVELS SUCH AS LAMP AND BALLAST DEPRECIATION AND DIRT ACCUMULATION OVER AN ESTIMATED ONE-YEAR PERIOD.
- PHOTOMETRIC VALUES ARE SHOWN IN FOOTCANDLES (fc). A LIGHT LOSS FACTOR OF 0.9 WAS USED IN THE CALCULATION.
- TYPE 'AA' LIGHTING FIXTURES CONTAIN A BACK-LIGHT CONTROL FEATURE THAT SIGNIFICANTLY REDUCES LIGHT OUTPUT AND GLARE AT THE BACK OF FIXTURE.
- ALL EXTERIOR LIGHTING POLES ARE TO BE GALVANIZED TO PREVENT CORROSION.
- ALL EXTERIOR LIGHTING MUST BE CONTROLLED BY AN ASTRONOMICAL TIME CLOCK (INTERMATIC CAT#T2825CR) TO ENSURE THAT IT IS NOT 'ON' DURING TIMES WHEN SUFFICIENT DAYLIGHT IS AVAILABLE.
- BUILDING MOUNTED LIGHTING AT PORCHES AND DECKS ARE NOT MODELED. ALL BUILDING LIGHTING TO BE CONTROLLED BY THE UNIT IT SERVES, DARK SKY COMPLIANT, DIRECT LIGHT DOWNWARD AND NOT EXCEED SW LED.



LUMINAIRE SCHEDULE

TYPE	ACCEPTABLE MANUFACTURERS	MODELS	CATALOGUE NUMBERS	DESCRIPTION NUM. OF LAMPS VOLTAGE	LOCATION MOUNTING HEIGHT	NOTES
AA	LITHONIA	DSXO	DSXO_LED.P1.30K.80CRI.BLC4.MVOLT.SPA.DBLXD	LED AREA LIGHT 34W 3000K 120V	EXTERIOR POLE 15' A.F.G	PROVIDE 12" x 4" SQUARE STEEL POLE. REFER TO DETAIL 2/SL1 FOR POLE BASE DETAILS. CONNECT TO TIME CLOCK CONTROL.



No	REVISION	DATE
5		
4		
3		
2	ISSUED FOR SPA	2023.01.31
1	ISSUED FOR REVIEW	2023.01.31

MIGHTON ENGINEERING

300 VICTORIA ST. N. 2ND FL. KITCHENER, ON N2H 6R9  
PH (519) 745-3703  
FAX (519) 745-5081  
WEB www.mighton.com

PROJECT TITLE:  
RESIDENTIAL DEVELOPMENT

465 GARAFRAXA ST. WEST, TOWNSHIP OF CENTRE WELLINGTON, ONTARIO  
DRAWING TITLE:  
SITE LIGHTING PLAN

DRAWN BY: J.L.	CUSTOMER PROJECT No. ---
CHECKED BY: T.A.	MIGHTON PROJECT No. 43122
DATE: JAN 2023	DRAWING No. ---
SCALE: AS NOTED	SL.1