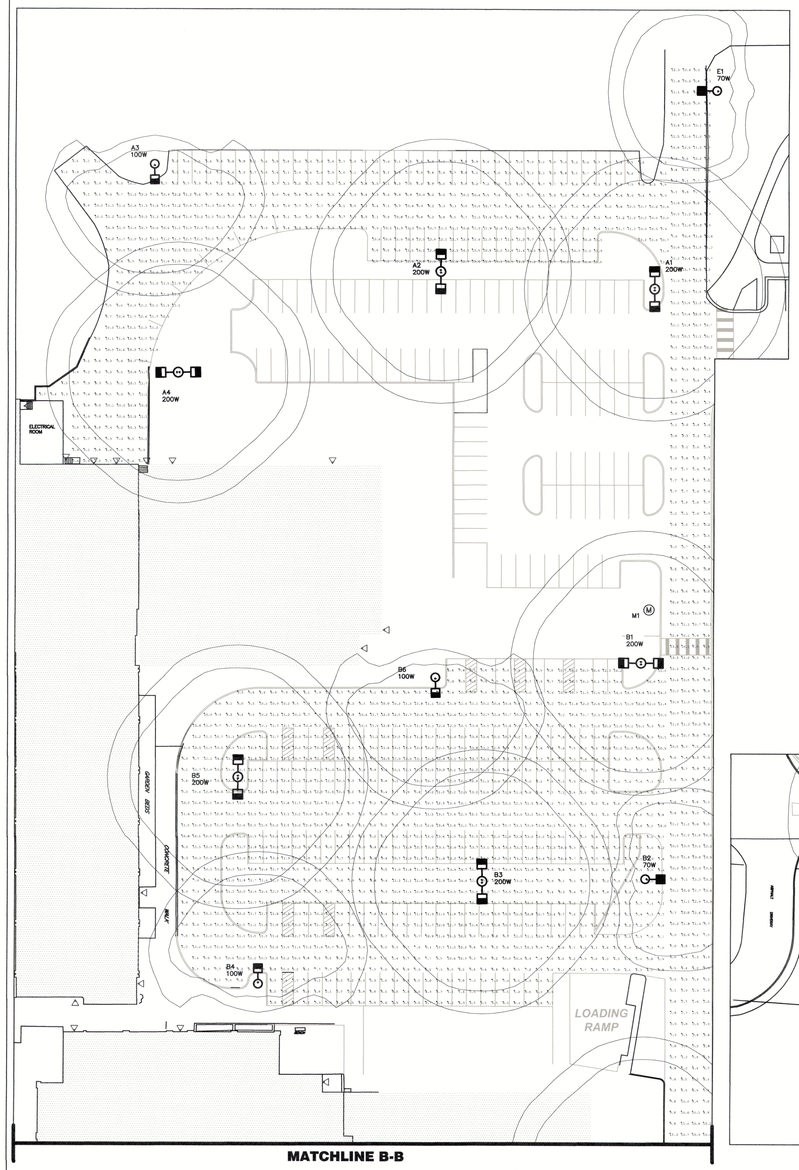
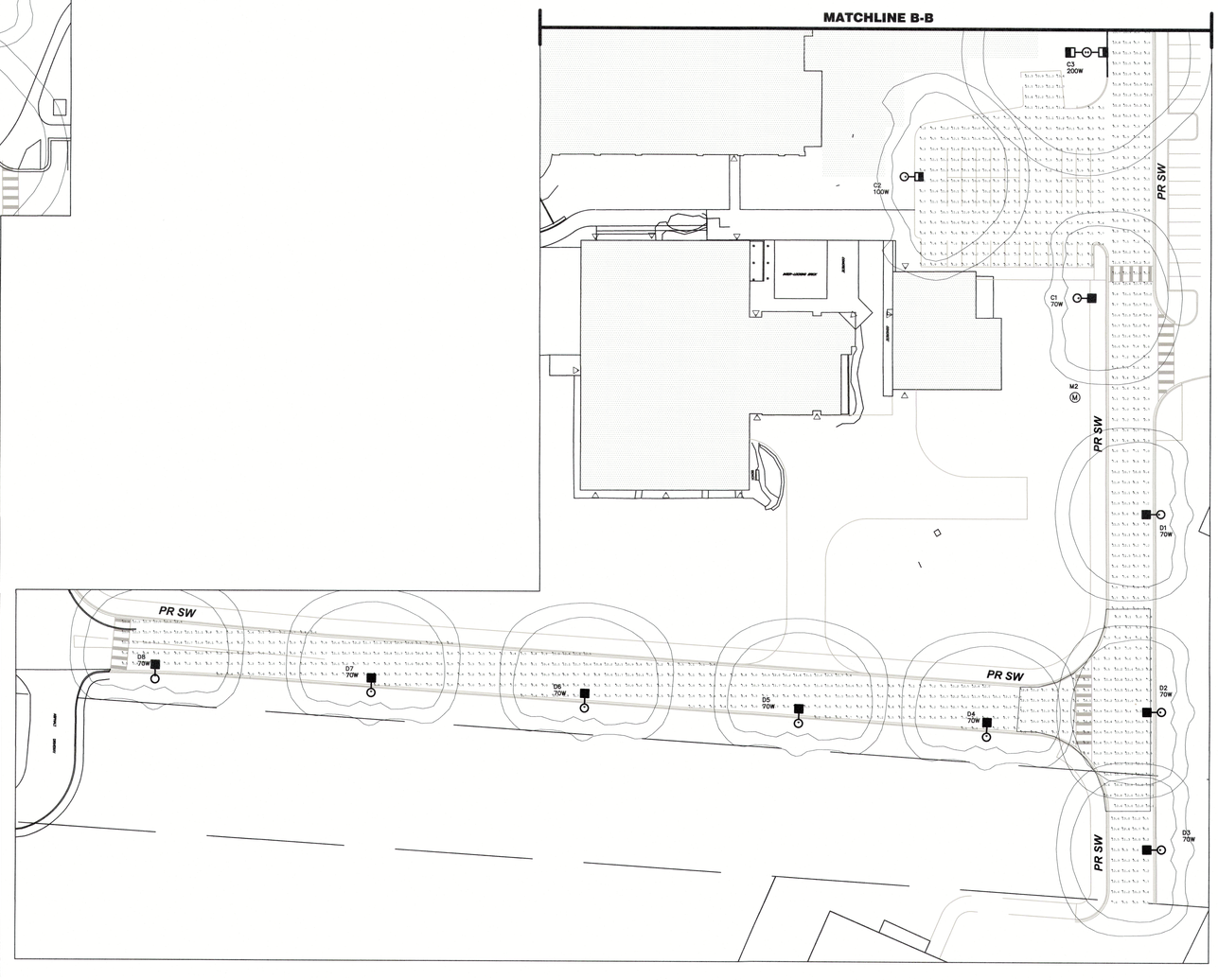



NOTES:

1) PROPOSED STREET #1, PROPOSED STREET #2, PARKING LOT #1, #2, #4 ARE PRE-CURFEW PARKING LOTS AS PER RP-20-14
THE REQUIREMENTS ARE:
AVG ILLUMINANCE 5.0lux, AVG/MIN 4.0:1, MAX/MIN 15.0.1

| Luminaire Schedule | | | | | | |
|---|---|---|---|---|---|---|
| Symbol | Qty | Label | Arrangement | Total Lamp Lumens | LLF | Description |
| | 11 | EANB_C3730 | SINGLE | N.A. | 0.810 | EANB C3730 |
| | 7 | EANB_E4730 | BACK-BACK | N.A. | 0.810 | EANB E4730 |
| | 4 | EANB_E4730__1 | SINGLE | N.A. | 0.810 | EANB E4730 |

| Calculation Summary | | | | | | | |
|---|---|---|---|---|---|---|---|
| Label | CalcType | Units | Avg | Max | Min | Avg/Min | Max/Min |
| Bioswale | Illuminance | Lux | 9.60 | 15.4 | 3.3 | 2.91 | 4.67 |
| Intersection | Illuminance | Lux | 9.83 | 14.6 | 3.8 | 2.59 | 3.84 |
| Parking Lot #1 | Illuminance | Lux | 8.10 | 14.7 | 2.6 | 3.12 | 5.65 |
| Parking Lot #4 | Illuminance | Lux | 7.39 | 13.6 | 2.6 | 2.84 | 5.23 |
| Proposed Street #1 | Illuminance | Lux | 7.60 | 12.8 | 2.6 | 2.92 | 4.92 |
| Proposed Street #2 | Illuminance | Lux | 7.98 | 14.1 | 1.5 | 5.32 | 9.40 |

## LEGEND

100W — PROPOSED STREETLIGHT: 30' (9.14m) SQUARE STRAIGHT BASE MOUNTED POLE (CAT#5SH-30-0.1-03). 100W EVOLVE AREA LIGHT LED TYPE IV (CAT# EANB_E4730__), 10" ARM, IN BLACK FINISH, PHOTOCELL AND CONCRETE FOOTING AS PER KELLAMY 610R

100W — PROPOSED STREETLIGHT: 30' (9.14m) SQUARE STRAIGHT BASE MOUNTED POLE (CAT#5SH-30-0.2-03). 2 x 100W EVOLVE AREA LIGHT LED TYPE IV (CAT# EANB_E4730__),10" ARM, IN BLACK FINISH, PHOTOCELL AND CONCRETE FOOTING AS PER KELLAMY 610R

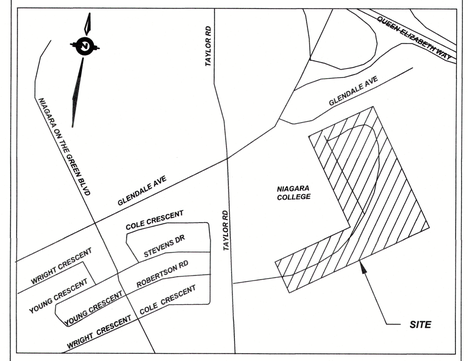
70W — PROPOSED STREETLIGHT: 30' (9.14m) SQUARE STRAIGHT BASE MOUNTED POLE (CAT#5SH-30-0.1-03). 70W EVOLVE AREA LIGHT LED TYPE III (CAT# EANB_E3730__), 10"ARM, IN BLACK FINISH, PHOTOCELL AND CONCRETE FOOTING AS PER KELLAMY 610R

M PX — PROPOSED STREET LIGHT METERED PEDESTAL BY PEDESTAL SOLUTIONS INC. C/W PRECAST CONCRETE BASE & PL27-TCV METERBASE MOUNTED ON THE BACK, SLT MODEL, 22KA RATING, 3P-100A, 120/208V MAIN BREAKER AND FOUR (1P-40A) BRANCH CIRCUIT BREAKERS.

------ STREETLIGHT CABLE: 2-#2 CU. RW90 & 1-#2 RW90 CU. (GREEN). CABLE SHALL BE IN DIRECT BURIED 100mm PVC TYPE II DUCT AT 900mm BELOW FINISHED GRADE.

— — — PEDESTAL FEED CABLE: 2 RUNS OF 3-#2/0 AWG CU RW90 XLPEI. CABLE SHALL BE IN DIRECT BURIED 100mm PVC TYPE II DUCT AT 900mm BELOW FINISHED GRADE

GROUND ROD.




KEY PLAN
N.T.S.

REVISIONS

| No. | DESCRIPTION | DATE | BY | APPROVED |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| 2. | RE-ISSUED FOR TENDER PRICING | MAR.27/19 | SK | SD |
| 1. | ISSUED FOR TENDER PRICING | JUNE.27/18 | AS | SD |

PHASE 1 (SEPTEMBER 2018)
PHOTOMETRICS

# NIAGARA COLLEGE
## NIAGARA ON THE LAKE CAMPUS

REGISTERED PROFESSIONAL ENGINEER
N. A. IOZZO
03/27/19
PROVINCE OF ONTARIO

DPM Energy
8000 Jane Street
Building A
Suite 200
Vaughan, ON
L4K 5B8
T 905.597.7200
F 905.597.7271
E-mail:info@dpmenergy.com
www.dpmenergy.com

DATE : JUNE 12, 2018
SCALE : 1:500
DRAWN BY : AS
DESIGNED BY : AS
CHECKED BY : SD
PROJECT No. 255A 17 121
DRAWING No. SL-2