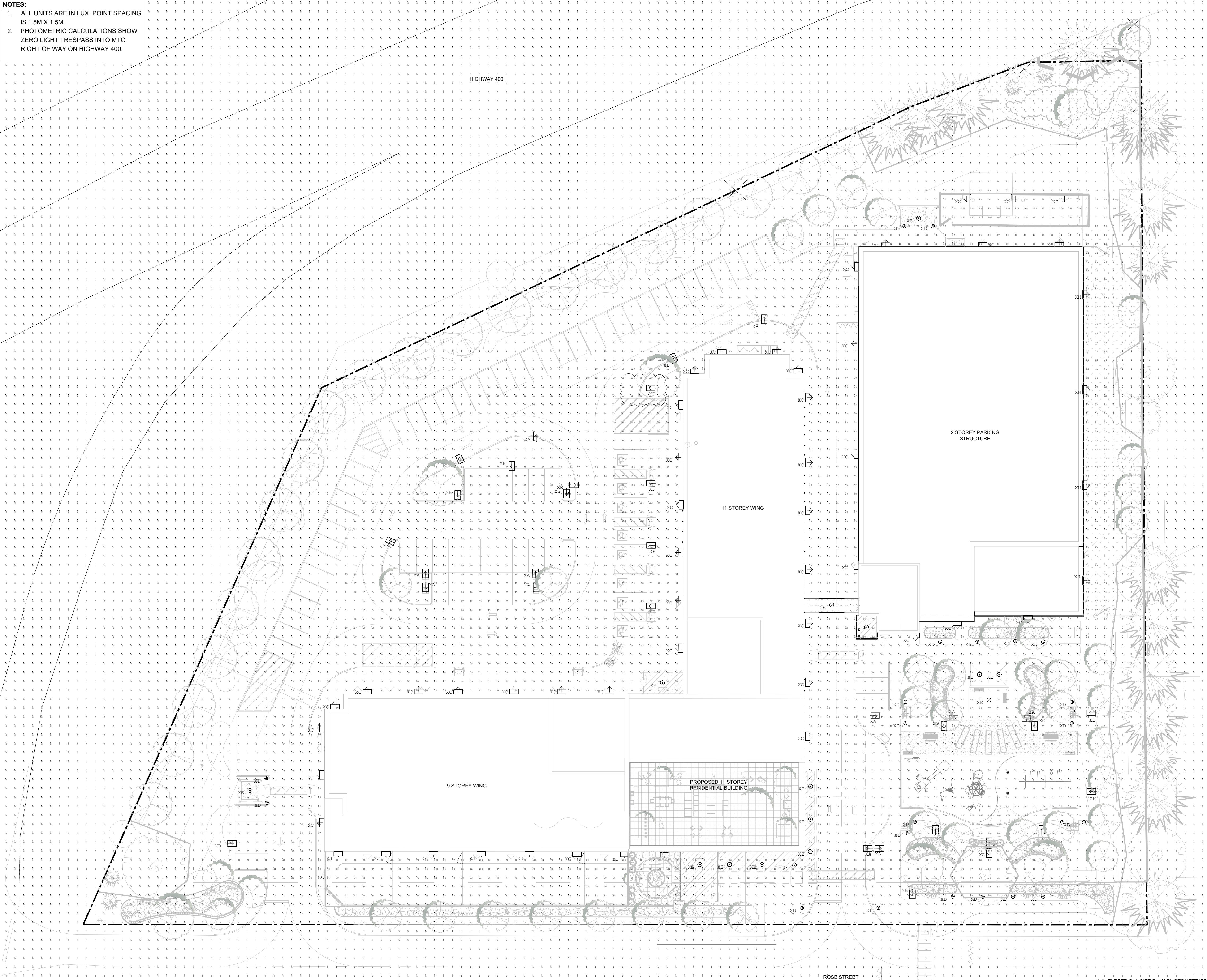


- NOTES:
- ALL UNITS ARE IN LUX. POINT SPACING IS 1.5M X 1.5M.
 - PHOTOMETRIC CALCULATIONS SHOW ZERO LIGHT TRESPASS INTO MTO RIGHT OF WAY ON HIGHWAY 400.



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This drawing may have been reduced.

0 5 10 20 30 40 50mm
0" 1/4" 1/2" 1" 1 1/2" 2"

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2.	RE-ISSUED FOR SITE PLAN APPROVAL	24/05/24
3.	ISSUED FOR COORDINATION	24/06/21
4.	RE-ISSUED FOR SITE PLAN APPROVAL	24/06/24
5.	ISSUED FOR COORDINATION	24/07/26
6.	ISSUED FOR COORDINATION	24/08/23
7.	ISSUED FOR SITE PLAN APPROVAL	24/09/11

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SITE PLAN APPROVAL

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Client

MCL ARCHITECTS

Project

ROSE STREET AFFORDABLE HOUSING

20 Rose Street, Barrie, ON

Drawing:

ELECTRICAL SITE PLAN -
PHOTOMETRICS

Project No.

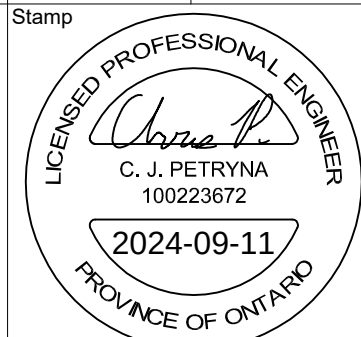
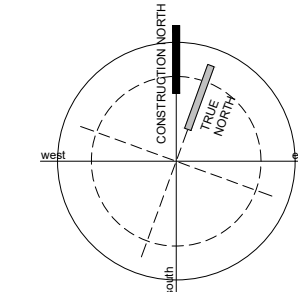
176-014-23

Time Stamp:

Designed by: MG Checked by: CP

Orientation

Drawn by: CC/MG Approved by: CP

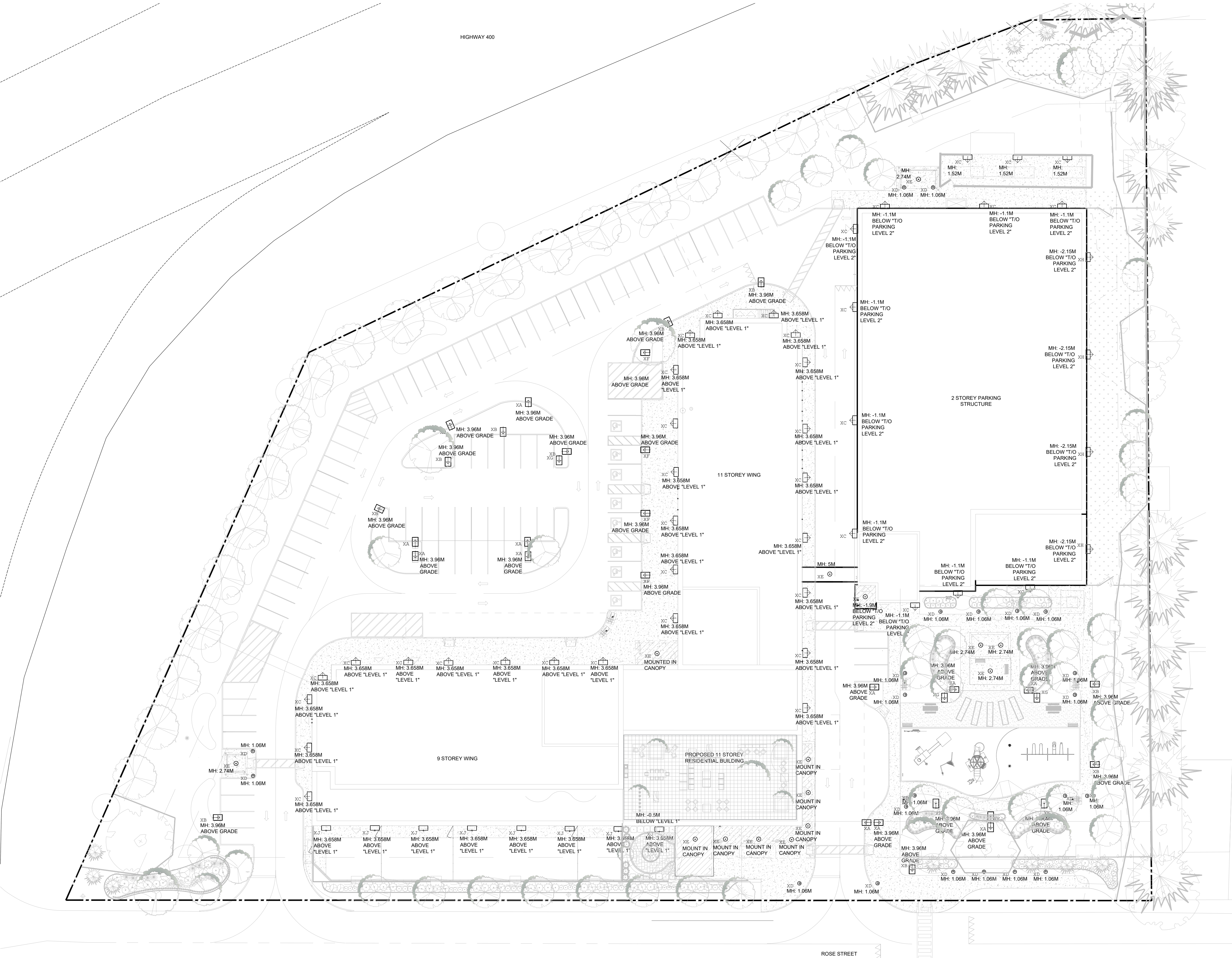


Drawing No.

E-100

1 ELECTRICAL SITE PLAN PHOTOMETRICS
SCALE: 1:300

- NOTES:
1. ASSUME MOUNTING HEIGHT IS FROM "LEVEL 1" UNLESS OTHERWISE STATED.
 2. REFER TO STRUCTURAL FOR LIGHT STANDARD AND BOLLARD BASE DETAIL.



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0" 1/4" 1/2" 1" 1 1/2" 2"

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Client

MCL ARCHITECTS

Project

ROSE STREET AFFORDABLE HOUSING

20 Rose Street, Barrie, ON

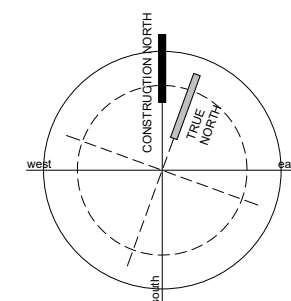
Drawing:

ELECTRICAL SITE PLAN - LIGHTING

Project No. 176-014-23 Designed by: MG Checked by: CP

Time Stamp: Drawn by: CC/MG Approved by: CP

Orientation

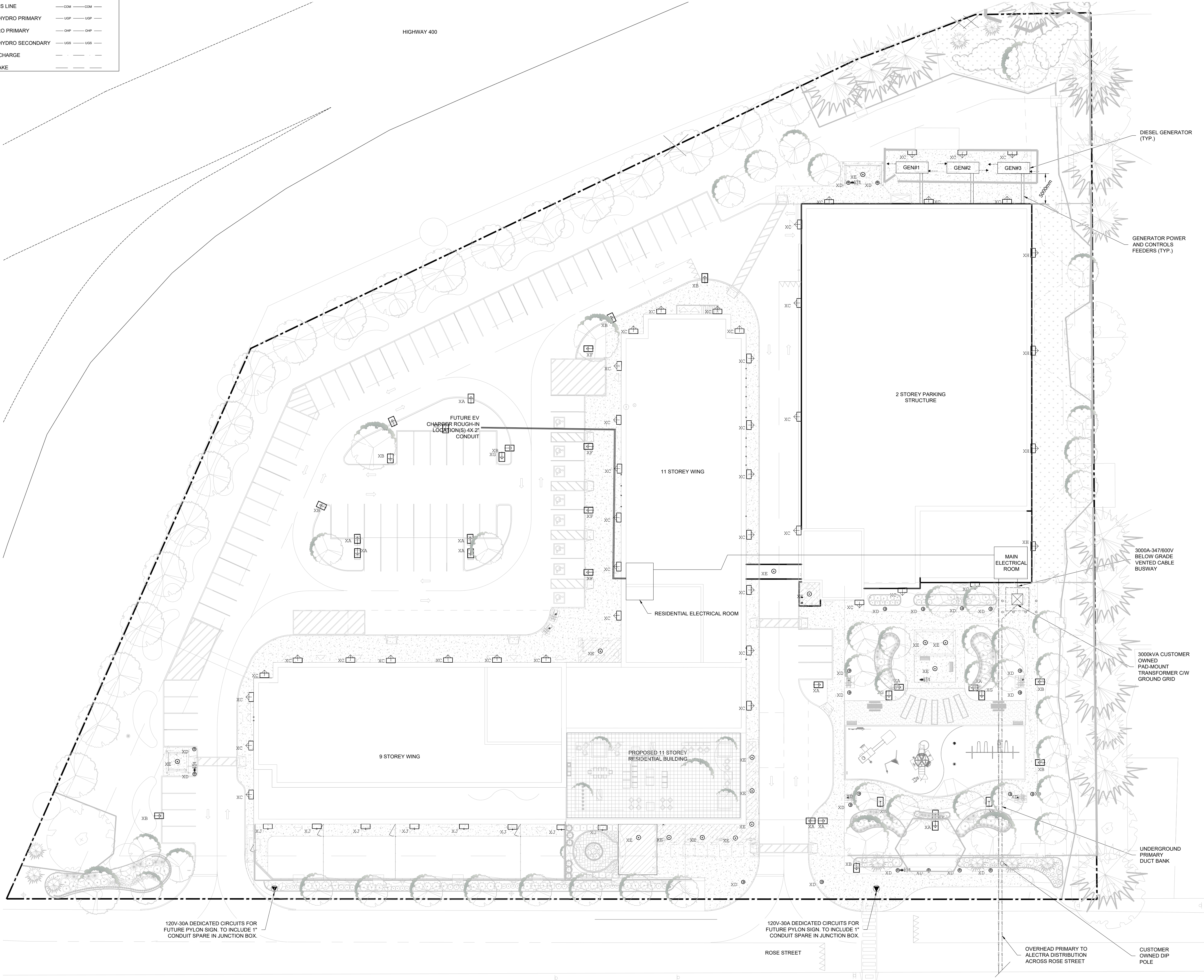


Drawing No.

E-101

1 ELECTRICAL SITE PLAN
SCALE 1:300

WIRE TYPE LEGEND	
COMMUNICATIONS LINE	COM
UNDERGROUND HYDRO PRIMARY	UGP
OVERHEAD HYDRO PRIMARY	OSP
UNDERGROUND HYDRO SECONDARY	UGS
GENERATOR DISCHARGE	GD
GENERATOR INTAKE	GI



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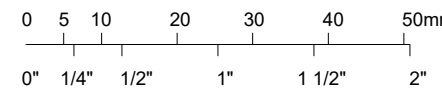
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Client

MCL ARCHITECTS

Project

ROSE STREET AFFORDABLE HOUSING

20 Rose Street, Barrie, ON

Drawing:

ELECTRICAL SITE PLAN - POWER

Project No.

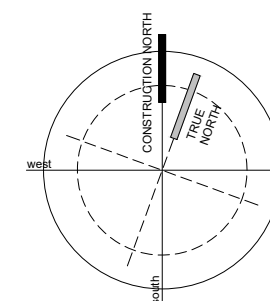
176-014-23

Time Stamp:

Designed by: MG Checked by: CP

Orientation

Drawn by: MG Approved by: CP



Drawing No.

E-102

1 ELECTRICAL SITE PLAN
SCALE 1:300

PHOTOMETRIC RESULTS :

Project Calculation
Illuminance (Lux)
Average=9.57 Maximum=224 Minimum=0 Avg/Min=N.A. Max/Min=N.A. Max/Avg=23.41

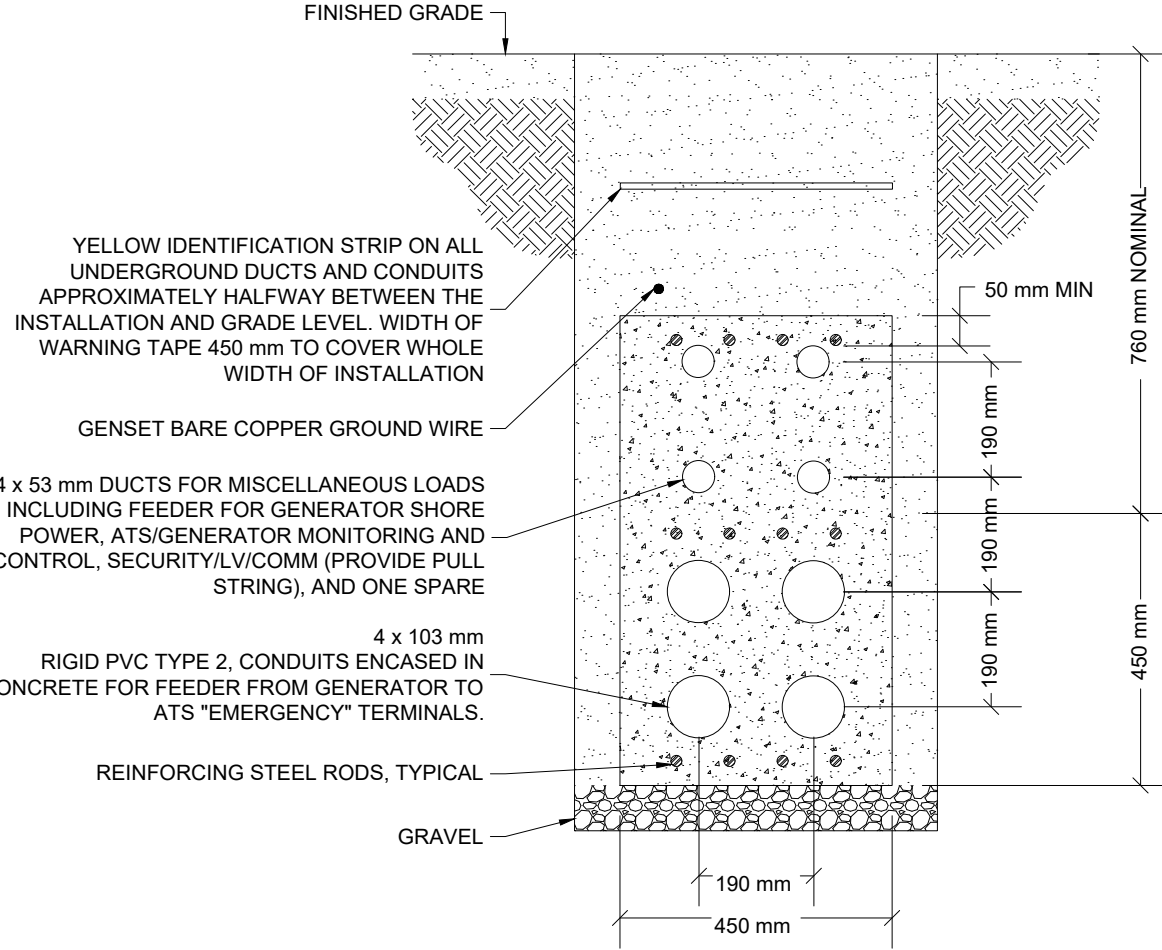
Stat Areas

OPEN AREA PARKING
Illuminance (Lux)
Average=40.81 Maximum=199.0 Minimum=0.0 Avg/Min=N.A. Max/Min=N.A. Max/Avg=4.88

PLAYGROUND
Illuminance (Lux)
Average=77.82 Maximum=215.0 Minimum=6.0 Avg/Min=12.99 Max/Min=35.83 Max/Avg=2.76

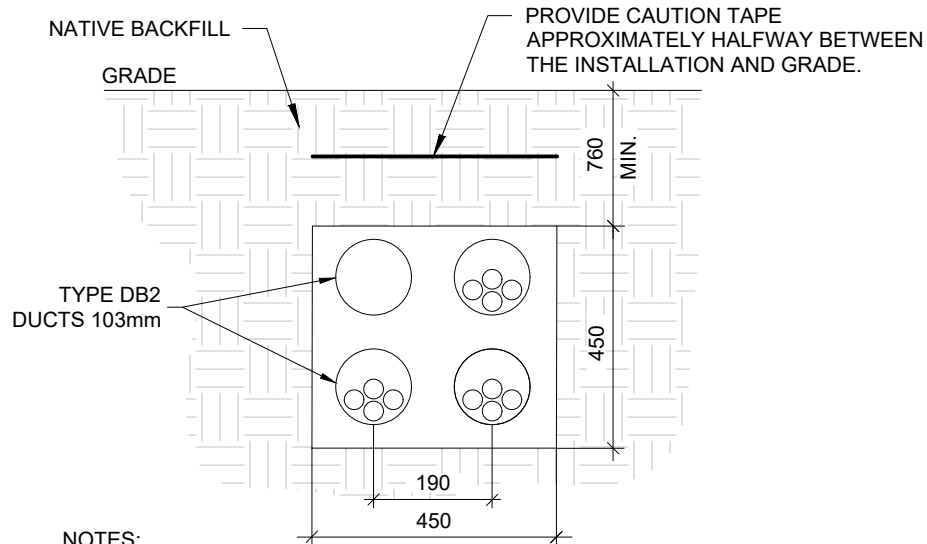
EXTERIOR LUMINAIRE SCHEDULE

SYMBOL	TYPE MARK	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMP(S)	SUPPLY VOLTAGE	WATTS
	XA	LIGHT STANDARD: TYPE 5 SQUARE DISTRIBUTION, 9,000 LUMENS, DLC LISTED, DARK SKY COMPLIANT, MOUNT FIXTURE AT 3.96m, BIRD SPIKES, BLACK FINISH. POLE: ALUMINUM, SQUARE, NON-TAPERED, 4\"/>	ILP	SAS-9L-U-40-TSS-SAS/BIRD	LED-4000K	120VAC	70W
	XB	LIGHT STANDARD: TYPE 3 DISTRIBUTION, 9,000 LUMENS, HOUSE SIDE SHIELD, DLC LISTED, DARK SKY COMPLIANT, MOUNT FIXTURE AT 3.96m, BIRD SPIKES, BLACK FINISH. POLE: ALUMINUM, SQUARE, NON-TAPERED, 4\"/>	ILP	SAS-9L-U-40-T3-HSS-SAS/BIRD	LED-4000K	120VAC	70W
	XC	WALL PACK: TYPE 4 DISTRIBUTION, 6,000 LUMENS, FULL CUTOFF, HIGH EFFICIENCY, DLC LISTED, DARK SKY COMPLIANT, BLACK FINISH.	ILP	WPCM-6L-U-40-T4	LED-4000K	120VAC	40W
	XD	BOLLARD: 1,200 LUMEN, FLAT TOP, HIGH EFFICIENCY, DLC LISTED, LISTED FOR WET LOCATIONS, MOUNT AT 1.1m ABOVE GRADE, BLACK FINISH.	ILP	BLDT-15WLED-UNIV-4000K	LED-4000K	120VAC	17W
	XE	CANOPY: CIRCULAR CANOPY LED FIXTURE, 28W LED, DLC LISTED, BLACK FINISH.	ILP	UFO-28WLED-UNIV-40	LED-4000K	120VAC	28W
	XF	LIGHT STANDARD: TYPE 3 DISTRIBUTION, 12,000 LUMENS, HOUSE SIDE SHIELD, DLC LISTED, DARK SKY COMPLIANT, MOUNT FIXTURE AT 3.96m, BIRD SPIKES, BLACK FINISH. POLE: ALUMINUM, SQUARE, NON-TAPERED, 4\"/>	ILP	SAS-12L-U-40-T3-HSS-SAS/BIRD	LED-4000K	120VAC	82W
	XG	LIGHT STANDARD: TYPE 4 DISTRIBUTION, 9,000 LUMENS, HOUSE SIDE SHIELD, DLC LISTED, DARK SKY COMPLIANT, MOUNT FIXTURE AT 3.96m, BIRD SPIKES, BLACK FINISH. POLE: ALUMINUM, SQUARE, NON-TAPERED, 4\"/>	ILP	SAS-9L-U-40-T4-HSS-SAS/BIRD	LED-4000K	120VAC	70W
	XH	WALL PACK: TYPE 2 DISTRIBUTION, 6,000 LUMENS, FULL CUTOFF, HIGH EFFICIENCY, DLC LISTED, DARK SKY COMPLIANT, BLACK FINISH.	ILP	WPCM-6L-U-40-T2	LED-4000K	120VAC	40W
	XJ	WALL PACK: TYPE 4 DISTRIBUTION, 8,000 LUMENS, FULL CUTOFF, HIGH EFFICIENCY, DLC LISTED, DARK SKY COMPLIANT, BLACK FINISH.	ILP	WPCM-8L-U-40-T4	LED-4000K	120VAC	40W
	XK	LIGHT STANDARD: TYPE 4 DISTRIBUTION, 15,000 LUMENS, DLC LISTED, DARK SKY COMPLIANT, MOUNT FIXTURE AT 3.96m, BIRD SPIKES, BLACK FINISH. POLE: ALUMINUM, SQUARE, NON-TAPERED, 4\"/>	ILP	SAS-15L-U-40-T4-SAS/BIRD	LED-4000K	120VAC	108W



NOTES:

- DUCT BANK TO BE IN COMPLIANCE WITH 2018 ONTARIO ELECTRICAL SAFETY CODE, DIAGRAM D11, DETAIL 4.
- DUCT BANK TO BE INSPECTED PRIOR TO POURING OF CONCRETE AND PRIOR TO BACKFILL. COORDINATE WITH AUTHORITY HAVING JURISDICTION AND RECEIVE ALL NECESSARY APPROVALS.



NOTES:

- BASED ON DIAGRAM D11 OF THE ONTARIO ELECTRICAL SAFETY CODE.
- REFER TO SINGLE LINE DIAGRAM FOR CONDUCTOR AND CONDUIT REQUIREMENTS
- SPACE CAUTION TAPE MAXIMUM 600m APART TO COVER FULL WIDTH OF TRENCH.
- 103MM PVC TYPE 2 DUCTS BURIED MIN 610MM FOR COMMUNICATIONS REQUIRED EXACT ROUTING AND TERMINATION TO BE VERIFIED.

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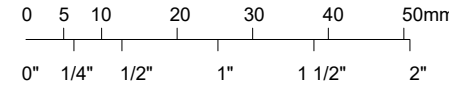
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Client

MCL ARCHITECTS

Project

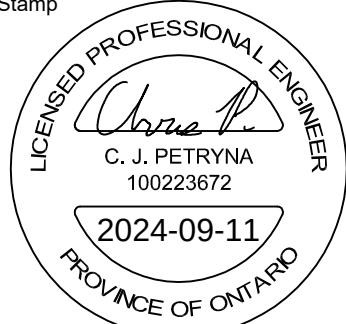
ROSE STREET AFFORDABLE
HOUSING

20 Rose Street, Barrie, ON

Drawing:

ELECTRICAL DETAILS (1 OF 2)

Project No. 176-014-23 Designed by: MG Checked by: CP
Time Stamp: Drawn by: MG Approved by: CP
Orientation: Stamp



Drawing No.

E-103

