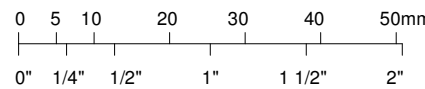


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KEY PLAN

No.	Issuance Description	YY/MM/DD
1	ISSUED FOR SITE PLAN APPROVAL	19/05/16
2	ISSUED FOR SITE PLAN APPROVAL	19/10/16

ALECTRA REFERENCE NUMBER: 1018-2018-1105-25S

ISSUED FOR:

APPROVAL

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Client

GRANITE CONDOMINIUMS

Project

DUNLOP ST. APARTMENT

233-245 DUNLOP STREET, BARRIE ON.

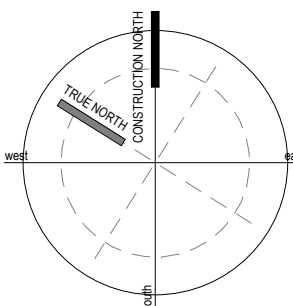
Drawing:

ELECTRICAL SITE PLAN

Project No. 844-006-18 Designed by: PWB Checked by: PWB

Time Stamp: 2019-10-16 3:47:46 PM Drawn by: TL Approved by: PWB

Orientation



Drawing No.

E-100

LEGEND

---	NEW UNDERGROUND FEEDER
---	NEW PRIMARY UNDERGROUND
---	NEW SECONDARY UNDERGROUND
---	EXISTING SINGLE PHASE OVERHEAD
---	EXISTING 3-PHASE OVERHEAD
---	PROPERTY LINE
MH	MOUNTING HEIGHT

SITE PLAN NOTES

1. INSTALLATION RESPONSIBILITIES

- ELECTRICAL CONTRATOR:
- ALL ON-SITE CIVIL WORK;
 - SUPPLY AND INSTALL THE PRIMARY AND SECONDARY DUCT BANKS ON PRIVATE PROPERTY;
 - SUPPLY AND INSTALL THE TRANSFORMER FOUNDATION, GROUNDING GRID, AND BOLLARDS;
 - SUPPLY AND INSTALL METERING CABINET, SWITCHBOARD;
 - OBTAIN ALECTRA UTILITIES APPROVAL AND INSPECTION FOR ALL RELATED WORK PRIOR TO AND DURING INSTALLATION.

ALECTRA UTILITIES:

- SUPPLY AND INSTALL THE PRIMARY CABLE;
- SUPPLY AND INSTALL THE TRANSFORMER (OWNED BY ALECTRA UTILITIES);
- PRIMARY AND SECONDARY CONNECTIONS AT THE TRANSFORMER;
- REVENUE METERING.

2. CLEARANCES

2m CLEARANCES AROUND THE BACK AND SIDES, AND 3m CLEARANCE AROUND THE FRONT OF THE TRANSFORMER SHALL BE MAINTAINED. REFER TO ALECTRA UTILITIES CONSTRUCTION STANDARD 17-140.

3. TRANSFORMER AND FOUNDATION INSTALLATION

IN ACCORDANCE WITH ALECTRA UTILITIES CONSTRUCTION STANDARDS 17-108, 17-140, 17-308, 17-308A, TRANSFORMER PAD LOCATION SHALL BE MINIMUM 3m AND MAXIMUM 4.5m FROM PARKING AREA DRIVEWAY, OR HARD SURFACE.

4. GUARD POSTS

SUPPLY GUARD POST BOLLARDS IF TRANSFORMER IS LESS THAN 3m FROM TRAVELED AREA OR AS INDICATED BY ALECTRA. REFER TO ALECTRA CONSTRUCTION STANDARDS 17-107 AND 17-107A.

5. DUCT BANKS

INSTALL PRIMARY DUCT BANK TO ALECTRA UTILITIES CONSTRUCTION STANDARD 17-201, DETAIL #3. FOR SECONDARY DUCT BANK INSTALLATION AS PER THESE DRAWINGS.

6. GROUNDING GRID

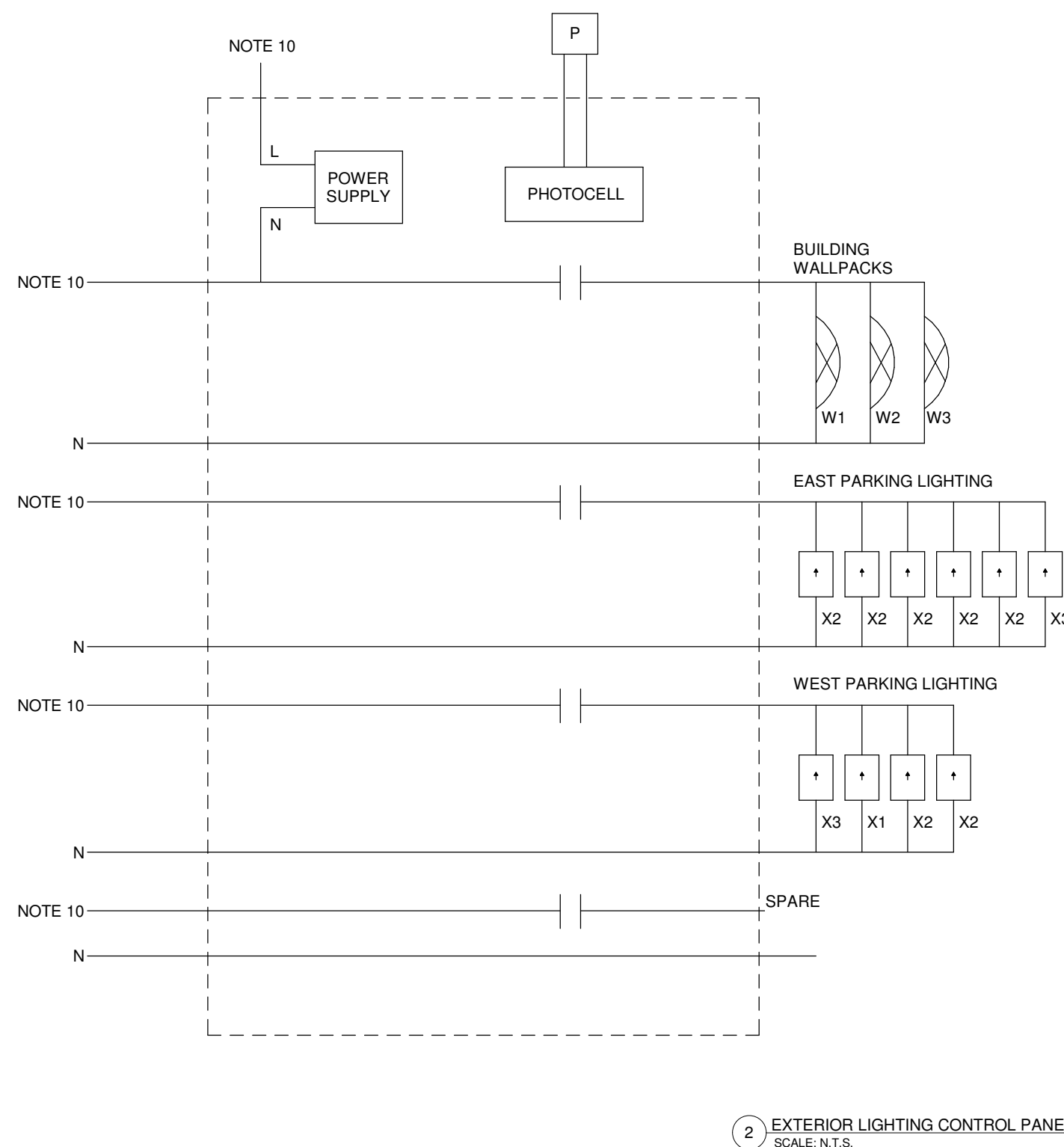
INSTALL TRANSFORMER GROUNDING GRID AS PER ALECTRA UTILITIES CONSTRUCTION STANDARD 17-108A.

7. METERING

SUPPLY AND INSTALL METERING CABINET AS PER ALECTRA UTILITIES CONSTRUCTION STANDARDS 25-200, 25-210, 25-220 AND 25-230.

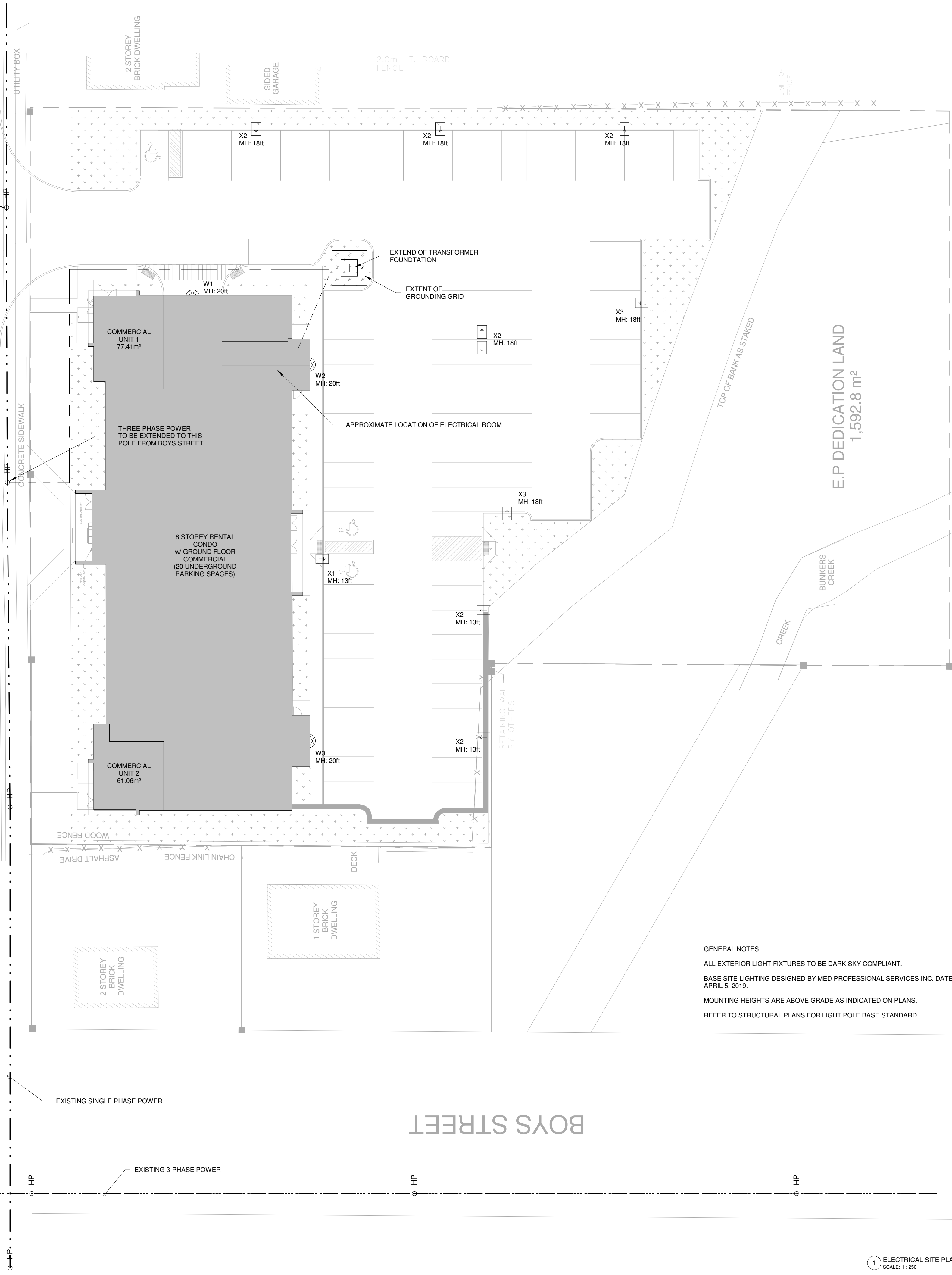
NOTES:

1. CONFIGURE UNIT FOR 'PHOTOCELL AND SCHEDULE ON/OFF'.
2. GROUNDS NOT SHOWN.
3. REFER TO MANUFACTURER INSTALLATION INSTRUCTIONS.
4. PANEL SHALL BE EQUAL TO WATT STOPPER LP8S-8-115 c/w EM-24A2.
5. MINIMUM 10HR BATTERY BACK-UP FOR SETTINGS.
6. FUNCTIONAL TESTING INCLUDED IN CONTRACT, PROVIDE SCHEDULE TO OWNER.
7. PHOTOCELL SHALL OVERRIDE TIME CLOCK WHEN SUFFICIENT DAYLIGHT IS AVAILABLE.
8. ALL BUILDING FACADE AND LANDSCAPE LIGHTING SHALL BE SHUT OFF OVERNIGHT.
9. PROVIDE LABEL "CAUTION - FED FROM MULTIPLE VOLTAGE SOURCES"
10. REFER TO PANEL SCHEDULES FOR CIRCUITING.



EXISTING POLE TO BE RELOCATED.

DUNLOP STREET WEST



GENERAL NOTES:

- ALL EXTERIOR LIGHT FIXTURES TO BE DARK SKY COMPLIANT.
- BASE SITE LIGHTING DESIGNED BY MED PROFESSIONAL SERVICES INC. DATED APRIL 5, 2019.
- MOUNTING HEIGHTS ARE ABOVE GRADE AS INDICATED ON PLANS.
- REFER TO STRUCTURAL PLANS FOR LIGHT POLE BASE STANDARD.

1 ELECTRICAL SITE PLAN
SCALE: 1:250

EXTERIOR LIGHTING FIXTURE SCHEDULE					
TYPE MARK	MANUFACTURER	MODEL NUMBER	DESCRIPTION	LAMP	SUPPLY VOLTAGE
W1	SIGNIFY	ECF-S-32L-530-NW-G2-WS-3 + ECF-WS-G2-(F)	WALL MOUNTED LED PARKING AREA LIGHT FIXTURE WITH DIE CAST ALUMINUM BRONZE POWDER COAT FINISHED WITH WALL BRACKET. LENSE SHALL BE CLEAR POLYCARBONATE. LEDS SHALL BE 4000K WITH 6715 LUMENS WITH 120V DRIVER AND TYPE III DISTRIBUTION. 120V, 56W.	4000K - LED	120VAC
W2	SIGNIFY	ECF-S-32L-540-NW-G2-WS-3-HIS + ECF-WS-G2-(F)	WALL MOUNTED LED PARKING AREA LIGHT FIXTURE WITH DIE CAST ALUMINUM BRONZE POWDER COAT FINISHED WITH WALL BRACKET. LENSE SHALL BE CLEAR POLYCARBONATE. LEDS SHALL BE 4000K WITH 5348 LUMENS WITH 120V DRIVER AND TYPE III DISTRIBUTION WITH REAR HOUSE SIDE SHIELD ALIGNED WITH PROPERTY LINE. 120V, 56W.	4000K - LED	120VAC
W3	SIGNIFY	ECF-S-32L-530-NW-G2-WS-4-HIS	WALL MOUNTED LED PARKING AREA LIGHT FIXTURE WITH DIE CAST ALUMINUM BRONZE POWDER COAT FINISHED WITH WALL BRACKET. LENSE SHALL BE CLEAR POLYCARBONATE. LEDS SHALL BE 4000K WITH 5348 LUMENS WITH 120V DRIVER AND TYPE III DISTRIBUTION WITH REAR HOUSE SIDE SHIELD ALIGNED WITH FACE OF BUILDING. 120V, 56W.	4000K - LED	120VAC
X1	SIGNIFY	ECF-S-32L-530-NW-G2SF-3-120-DD + BZ FINISH + HIS-80-H + PTF2-ECF-SL-1-90-(F)	POLE MOUNTED LED PARKING AREA LIGHT FIXTURE WITH DIE CAST ALUMINUM BRONZE POWDER COAT FINISHED WITH 2-3/8" SLIP FITTER BRACKET. LENSE SHALL BE CLEAR POLYCARBONATE. LEDS SHALL BE 4000K WITH 5348 LUMENS WITH 120V DRIVE AND TYPE III DISTRIBUTION WITH REAR HOUSE SIDE SHIELD ALIGNED WITH PROPERTY LINE. 120V, 56W. ONE FIXTURE PER POLE.	4000K - LED	120VAC
X2	SIGNIFY	ECF-S-32L-530-NW-G2SF-4-120-DD + BZ FINISH + HIS-80-H + PTF2-ECF-SL-1-90-(F)	POLE MOUNTED LED PARKING AREA LIGHT FIXTURE WITH DIE CAST ALUMINUM BRONZE POWDER COAT FINISHED WITH 2-3/8" SLIP FITTER BRACKET. LENSE SHALL BE CLEAR POLYCARBONATE. LEDS SHALL BE 4000K WITH 5509 LUMENS WITH 120V DRIVE AND TYPE IV DISTRIBUTION WITH REAR HOUSE SIDE SHIELD ALIGNED WITH PROPERTY LINE. 120V, 56W. ONE FIXTURE PER POLE.	4000K - LED	120VAC
X3	SIGNIFY	ECF-S-32L-530-NW-G2SF-4-120-DD + BZ FINISH + PTF2-ECF-SL-1-90-(F)	POLE MOUNTED LED PARKING AREA LIGHT FIXTURE WITH DIE CAST ALUMINUM BRONZE POWDER COAT FINISHED WITH 2-3/8" SLIP FITTER BRACKET. LENSE SHALL BE CLEAR POLYCARBONATE. LEDS SHALL BE 4000K WITH 5509 LUMENS WITH 120V DRIVE AND TYPE IV DISTRIBUTION. 120V, 56W. ONE FIXTURE PER POLE.	4000K - LED	120VAC

POLES AS PER DRAWING NUMBER SL-1 OF 1 "PROPOSED SITE LIGHTING PLAN ILLUMINATION LEVELS" FROM MED PROFESSIONAL SERVICES INC. DATED APRIL 5TH 2019.

** MOUNTING HEIGHTS ARE AS NOTED ON PLANS



GERRITS ENGINEERING
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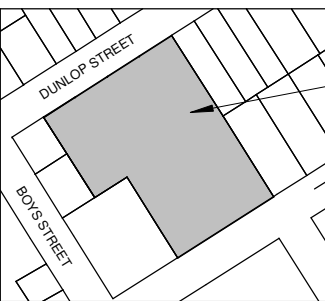
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0 5 10 20 30 40 50mm

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



AREA OF WORK

KEY PLAN

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1	ISSUED FOR SITE PLAN APPROVAL	19/05/06
2	ISSUED FOR SITE PLAN APPROVAL	19/10/16

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Project

DUNLOP ST. APARTMENT

233-245 DUNLOP STREET, BARRIE ON.

Drawing:

ELECTRICAL DETAILS

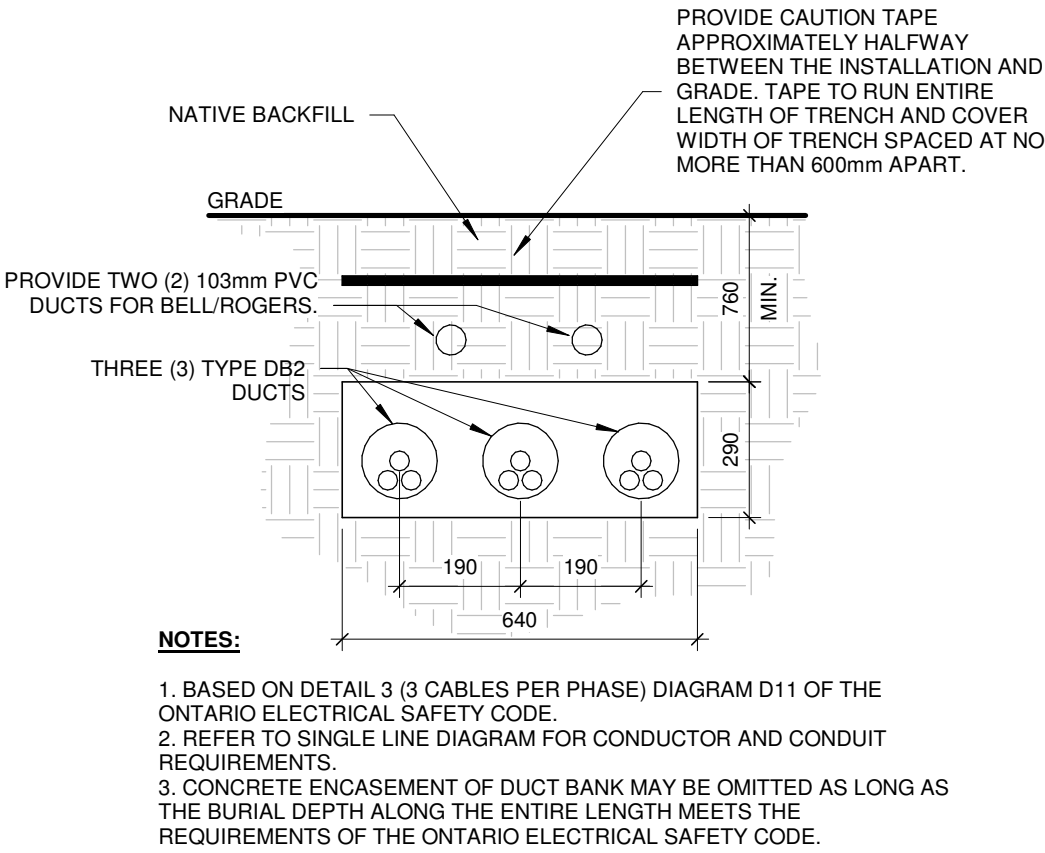
Project No.	844-006-18	Designed by:	PWB	Checked by:	PWB
Time Stamp:	2019-10-16 3:47:47 PM	Drawn by:	TL	Approved by:	PWB

Orientation



Drawing No.

E-500



1 UNDERGROUND SECONDARY DETAIL.
SCALE: N.T.S.