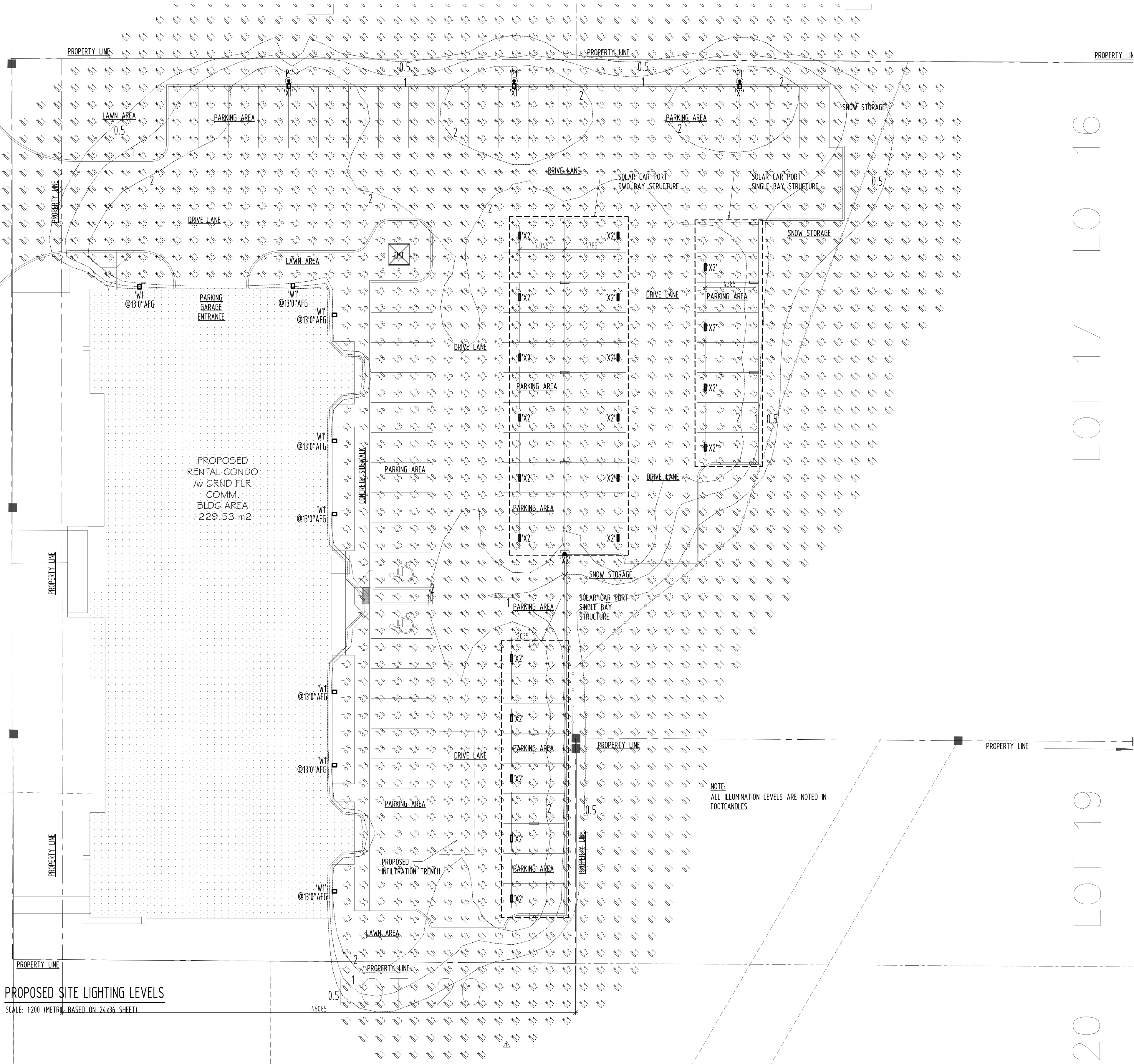


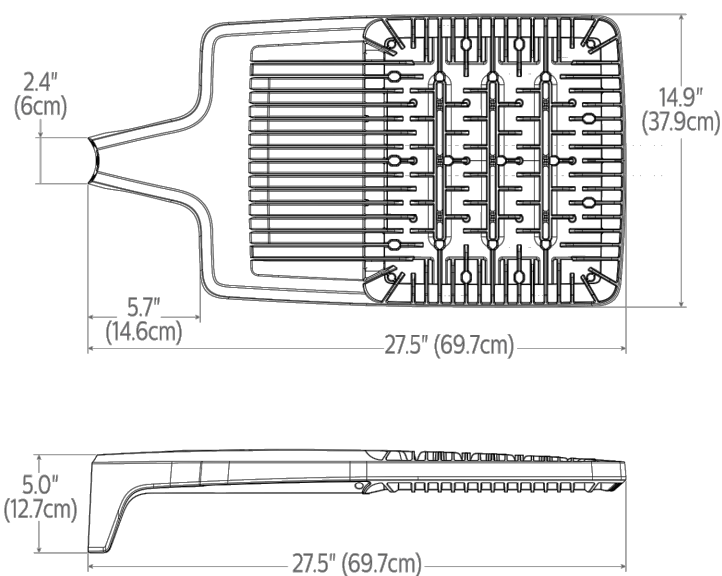
DUNLOP STREET WEST

LOT 17 LOT 16

LOT 19 20



PROPOSED SITE LIGHTING LEVELS
SCALE: 1:200 (METRIC BASED ON 24x36 SHEET)



FIXTURE TYPE 'X1'



Gardco EcoForm Gen-2 combines economy with performance in an LED area luminaire. Capable of delivering up to 26,400 lumens or more in a compact, low profile LED luminaire, EcoForm offers a new level of customer value. EcoForm features an innovative retrofit arm kit, simplifying site conversions to LED by eliminating the need to drill additional holes in pre-existing poles. Integral control systems available for further energy savings. Includes Service Tag, our innovative way to provide assistance throughout the life of the product.

FIXTURE TYPE 'X1'



VP2-L 2' LED VAPOR TIGHT
FEATURE RICH CONTRACTOR SELECT

A luminaire ideal for a variety of industrial, commercial and residential applications. Installed either indoors or outside. Ideal for garages and stairwell applications.

- APPLICATIONS*
- Industrial facilities
 - Exterior metal areas
 - Stairwells
 - Transportation
 - Parking garages
 - Pedestrian tunnels

FIXTURE TYPE 'X2'



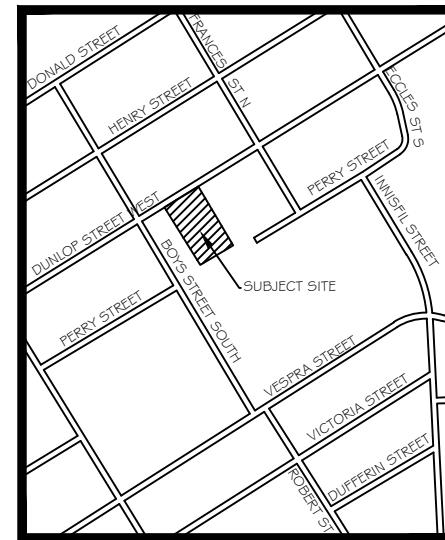
FIXTURE TYPE 'W1'

SITE LIGHTING FIXTURE SCHEDULE

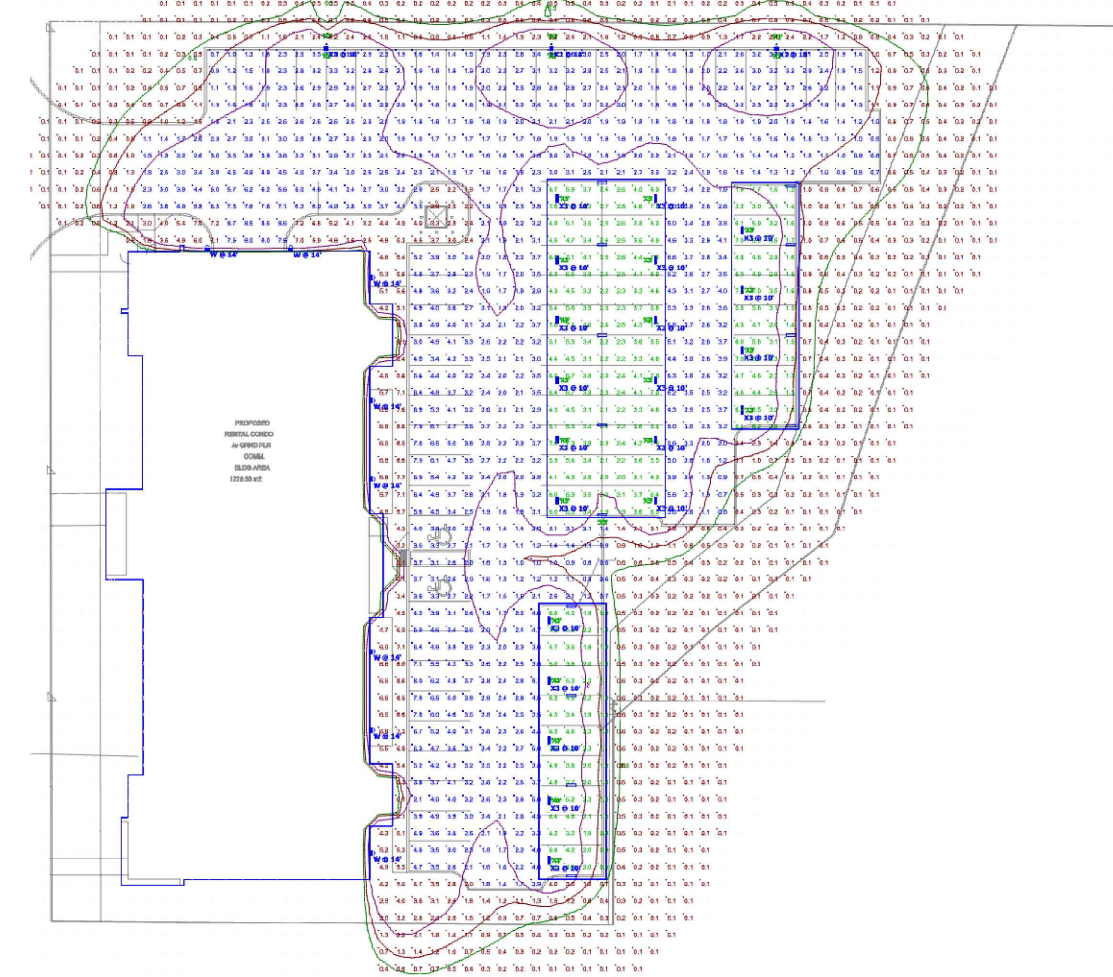
ID	DESCRIPTION	CATALOGUE NUMBER
'X1'	POLE MOUNTED LED PARKING AREA LIGHT FIXTURE WITH DIE CAST ALUMINUM BRONZE POWDER COAT FINISHED WITH 2-3/8" DIA SLIP FITTER BRACKET. LENSE SHALL BE CLEAR POLYCARBONATE, LEDS SHALL BE 4000K WITH 5509 LUMENS WITH 120V DRIVER AND TYPE IV DISTRIBUTION WITH REAR HOUSE SIDE SHIELD ALIGNED WITH PROPERTY LINE. 120V 56W, ONE FIXTURE PER POLE. REFER TO POLE SCHEDULE FOR HEIGHT OF POLE.	SIGNIFY GARDCO CAT # ECF-S-32L-530-NW-G2-SF-4-120-DO • BZ FINISH • HIS-80-H • PTF2-ECF-5/L-1-90-(F)X3' POLE
'X2'	TOTALLY ENCLOSED 2FT LONG LED BASED LUMINAIRE MOUNTED TO UNDERSIDE OF SOLAR PANEL FRAME WITH ALL 120V BRANCH CIRCUIT WIRING RUN CONCEALED BACK TO MAIN ELECTRICAL ROOM, FIXTURE SHALL HAVE A 120V AC DRIVER, WITH 2429LM 4000K AND 80CRI 20W LOADING. FIXTURE BODY SHALL BE VANDAL RESISTANT POLYCARBONATE WITH STAINLESS STEEL MOUNTING HARDWARE AND TAMPERPROOF LENSE CLIPS. LENSE SHALL BE OPAL WHITE POLYCARBONATE SMOOTH FINISHED WITH INTERIOR RIBS. PROVIDE EACH FIXTURE WITH OCCUPANCY SENSOR SUITABLE TO DIM FIXTURES TO 50% WHEN NO MOVEMENT IS DETECTED.	AIMLITE CAT # VP2-L-LED-A1-4-40K-SS-DS- MOUNTING SYSTEM TO SUIT
'W1'	W1' WALL MOUNTED LED PARKING AREA LIGHT FIXTURE WITH DIE CAST ALUMINUM BRONZE POWDER COAT FINISHED WITH WALL BRACKET. LENSE SHALL BE CLEAR POLYCARBONATE, 32 LEDS SHALL BE 4000K WITH 8498 LUMENS WITH 120V DRIVER AND TYPE IV SHORT DISTRIBUTION 120V 80W. MOUNTING HEIGHT AS NOTED ON PLAN	XTRALIGHT MANUFACTURING CAT # NVTW-8000L-40K-DIM-LS-BZ
NOTE:	LIGHTING CONTROLS SHALL BE DESIGNED BY BASE BUILDING ELECTRICAL CONSULTANT. LUMINAIRE SELECTIONS INCLUDE FOR DIMMING DRIVERS WHICH ARE INTENDED TO BE CONTROLLED WITH AN AMBIENT DAYLIGHT MONITORING SYSTEM. FIXTURES UNDER THE SOLAR PANELS ARE CALLED OUT WITH OCCUPANCY SENSORS OTHERWISE OUTPUT AT 100% WHEN MOVEMENT DETECTED. FILTERING FOR ANIMALS AND DEBRIS MOVEMENT TO BE INCORPORATED. POLE AND WALL MOUNTED LUMINAIRES NEED OCCUPANCY MONITORING AS WELL AS DUSK THRU DAWN CONTROLS, ALL LIGHTING OFF DURING DAYLIGHT HOURS. SYSTEM SHALL COMPENSATE BY TURNING ON ALL EXTERIOR LIGHTING DURING EXTRAORDINARY DARK ENVIRONMENTAL CONDITIONS.	

POLE SCHEDULE

ID	DESCRIPTION	CATALOGUE NUMBER
'P1'	STRAIGHT 6" DIA ROUND ALUMINUM POLE 18FT TALL FINISHED IN BRONZE WITH MATCHING BASE CAP. POLE SHALL HAVE HANDHOLE AND 2-3/8" DIA TOP MOUNTED SLIP POST WITH ALL WIRING RUN CONCEALED IN POLE AND CORRESPONDING SINGLE LIGHT FIXTURE PROVIDE PIE TAIL ANCHOR BOLTS IN CONCRETE BASE. PROVIDE CONCRETE BASE WHICH SHALL BE 24" DIA WITH TOP OF BASE AT 30" ABOVE FINISHED GRADE AND EXTENDING 5FT BELOW GRADE IN UNDISTURBED SOIL OR ENGINEERED BACKFILL. PROVIDE RE-INFORCING STEEL REBAR CAGE FOR BASE. CHAMFER TOP OF CONCRETE BASE WITH 1" CHAMFER. EXTEND RIGID PVC RACEWAYS INTO BASE AT 500 BELOW FINISHED GRADE AND STUB UP IN CENTER OF POLE BASE PLATE EXTENDING 2" ABOVE TOP OF CONCRETE BASE.	DYNAPOLE CAT # SRA18'2-3/8" BRONZE



KEY PLAN



Statistics	Symbol	Avg	Max	Min	Max/Min	Avg/Min
BELOW CANOPIES AT GRADE	Green	3.9%	7.8%	0.9%	8.7:1	4.3:1
PARKING LOT AT GRADE	Blue	2.9%	6.7%	0.9%	7.4:1	4.3:1

FINAL SITE LIGHTING CHARACTERISTICS

DATE	NO.	DESCRIPTION	BY
03MAY21	3	LIGHTING ADJUSTED FOR WALL MOUNTED LIGHTING	MED
14APR21	2	LIGHTING ADJUSTED TO INCORPORATE SOLAR PANELS	MED
08OCT19	1	SITE LIGHTING ADJUSTED PER CITY COMMENTS	MED

REVISIONS

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB AND REPORT DISCREPANCIES TO THE ENGINEERS BEFORE PROCEEDING WITH WORK
THIS DRAWING IS THE PROPERTY OF THE ENGINEERS AND MUST BE RETURNED ON COMPLETION OF THE WORK
DRAWINGS ARE NOT TO BE SCALED



DRAWING TITLE
PROPOSED SITE LIGHTING PLAN
ILLUMINATION LEVELS

PROJECT TITLE
D14-1647
233 DUNLOP STREET
BARRIE ONTARIO

DRAWN BY	CHECKED BY	SCALE
MED	R.W.	AS NOTED
DATE	PROJECT NUMBER	DRAWING NUMBER
05APR19	4280	SL.1 of 1