

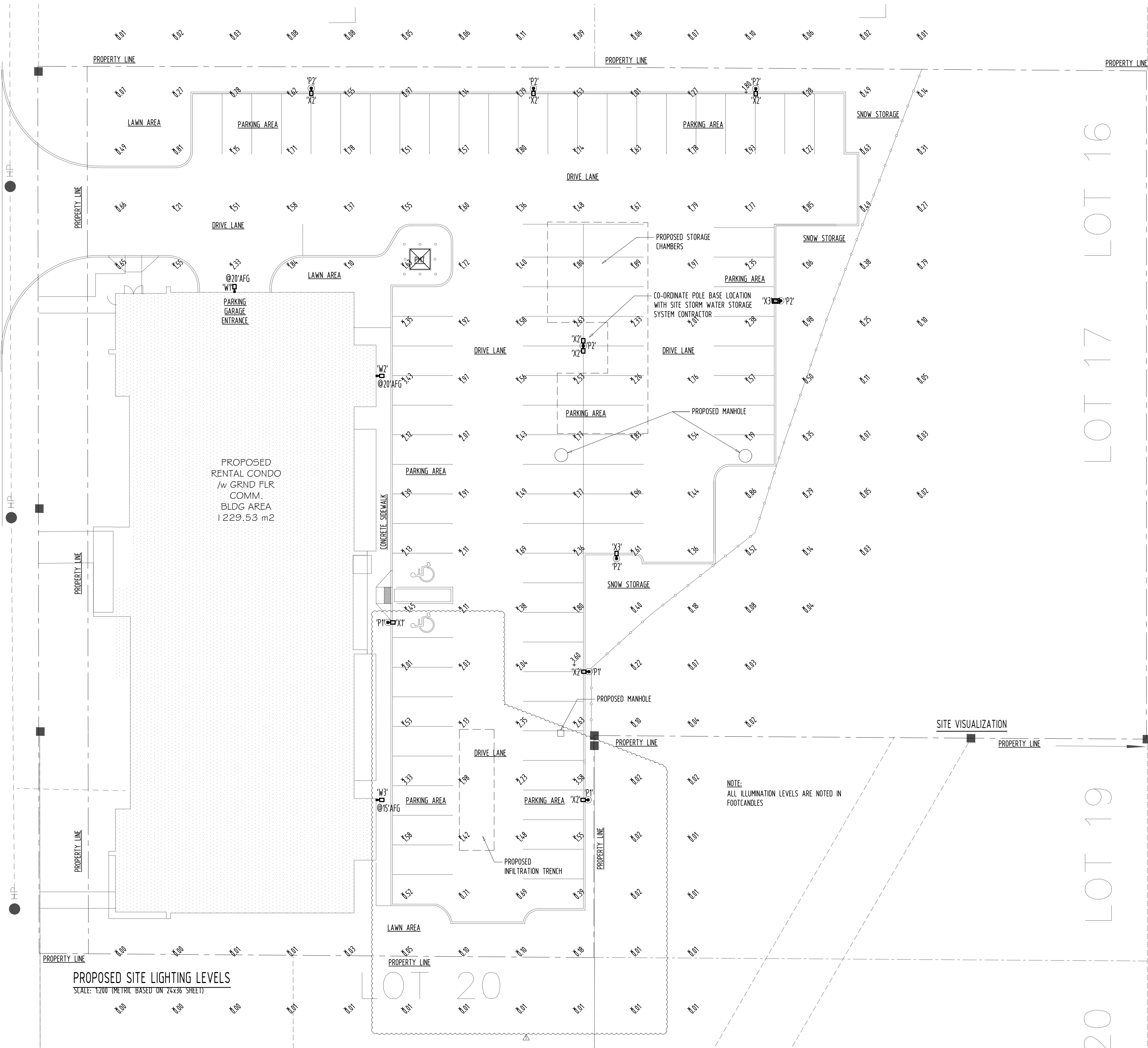
DUNLOP STREET WEST

LOT 16

LOT 17

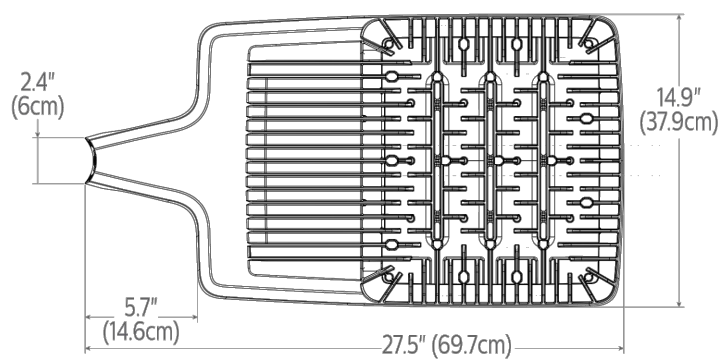
LOT 19

LOT 20

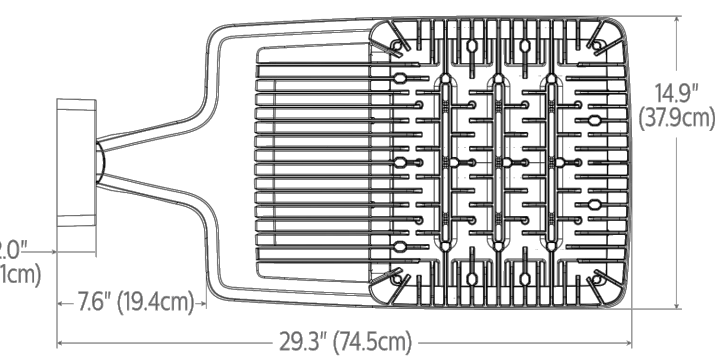
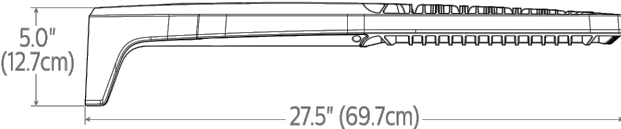


PROPOSED SITE LIGHTING LEVELS

SCALE: 1:200 (METRIC BASED ON 24x36 SHEET)



FIXTURE TYPE 'X1, X2, X3 & X4'



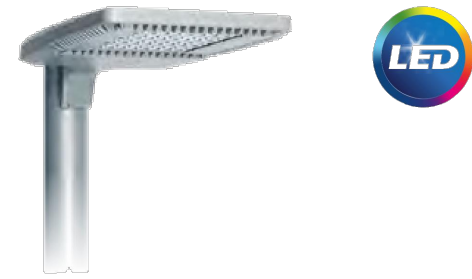
FIXTURE TYPE 'W1, W2, & W3'



Site & Area

EcoForm

ECF-S small area light



Project:
Location:
Cust. No:
Type:
Lamps: Qty:
Notes:

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 most 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.

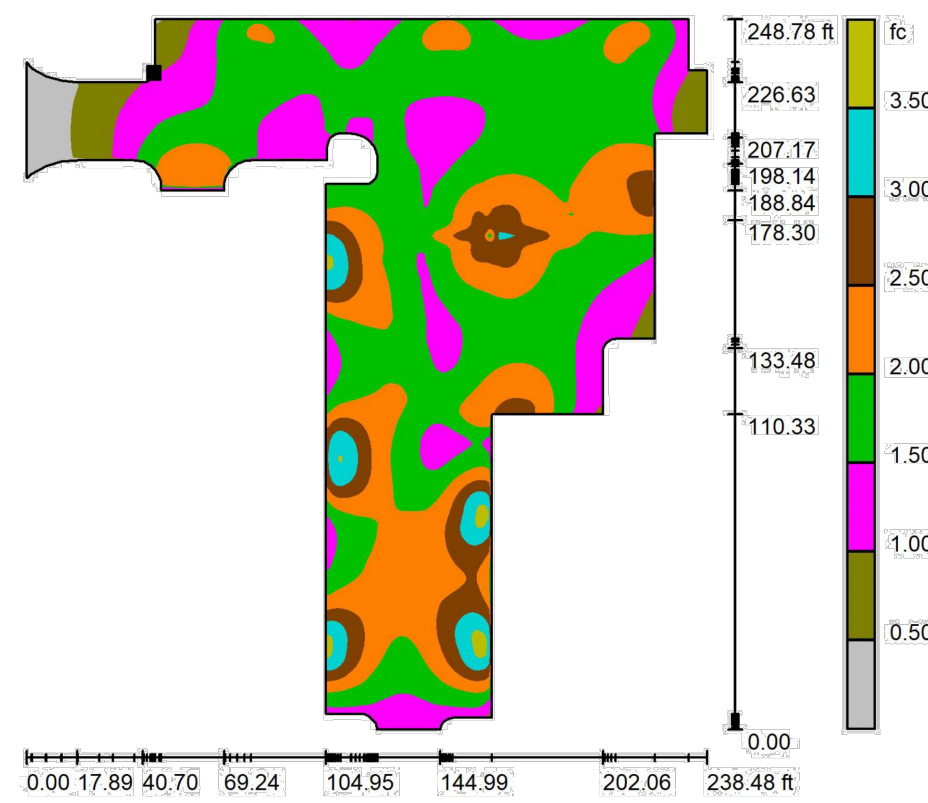
SITE LIGHTING FIXTURE SCHEDULE

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 5348 LUMENS WITH 120V DRIVER AND TYPE III 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 GARCO CAT # ECF-S-32L-530-NW-G2 SF-4-120-DD + BZ FINISH + HIS-80-H + PTF2-ECF-S/L-1-90-(F)
'X2'	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 GARCO CAT # ECF-S-32L-530-NW-G2 SF-4-120-DD + BZ FINISH + HIS-80-H + PTF2-ECF-S/L-1-90-(F)
'X3'	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. 120V 56W, ONE FIXTURE PER POLE. REFER TO POLE SCHEDULE FOR HEIGHT OF POLE.	SIGNIFY GARCO CAT # ECF-S-32L-530-NW-G2 SF-4-120-DD + BZ FINISH + PTF2-ECF-S/L-1-90-(F)
'X4'	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 REAR FACE OF FIXTURE BODY. 120V 56W, TWO FIXTURES OF THIS TYPE SHALL BE MOUNTED ON FACTORY SINGLE SLIP FITTER WITH TWO OPPOSED MOUNTING POINTS FOR LUMINAIRE. REFER TO POLE SCHEDULE FOR HEIGHT OF POLE.	SIGNIFY GARCO CAT # ECF-S-32L-530-NW-G2 SF-4-120-DD + BZ FINISH + HIS-80-H + PTF2-ECF-S/L-2-180-(F)
'W1'	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. MOUNTING HEIGHT AS NOTED ON PLAN	SIGNIFY GARCO CAT # ECF-S-32L-530-NW-G2 WS-3 + ECF-WS-G2-(F) +
'W2'	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. MOUNTING HEIGHT AS NOTED ON PLAN	SIGNIFY GARCO CAT # ECF-S-32L-530-NW-G2 WS-3-HIS + ECF-WS-G2-(F)
'W3'	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 5509 LUMENS WITH 120V DRIVER AND TYPE IV DISTRIBUTION WITH REAR HOUSE SIDE SHIELD ALIGNED WITH FACE OF BUILDING. 120V 56W. MOUNTING HEIGHT AS NOTED ON PLAN	SIGNIFY GARCO CAT # ECF-S-32L-530-NW-G2 WS-4-HIS +

POLE SCHEDULE

ID	DESCRIPTION	CATALOGUE NUMBER
'P1'	STRAIGHT 6" DIA ROUND ALUMINUM POLE 13FT 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 PIG 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 # SRA13'2-3/8" BRONZE
'P2'	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 PIG 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

Exterior Scene 1 / PARKING LOT / Surface 1 / Greyscale (E)



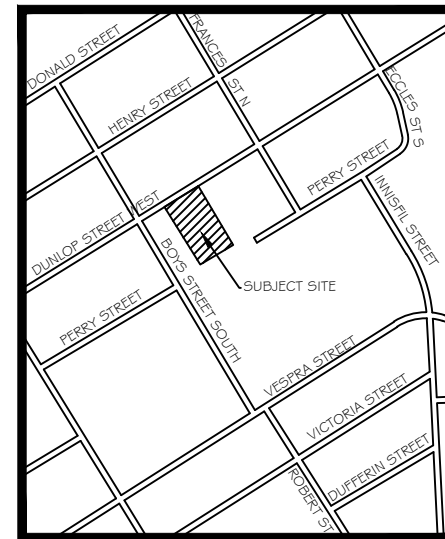
Position of surface in external scene:
Marked point:
(44.870 ft, 238.689 ft, 0.000 ft)



Grid: 200 x 200 Points

E_{av} [fc] 1.82 E_{min} [fc] 0.05 E_{max} [fc] 3.73 $u0$ 0.025 E_{min} / E_{max} 0.012

FINAL SITE LIGHTING CHARACTERISTICS



KEY PLAN

080CT19	1	SITE LIGHTING ADJUSTED PER CITY COMMENTS	MED
DATE	NO.	DESCRIPTION	BY

MARK VOID ALL PRINTS DATED PREVIOUS TO FINAL DATE ABOVE

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 MED	CHECKED BY R.W.	SCALE AS NOTED
DATE 05APL19	PROJECT NUMBER 4280	DRAWING NUMBER SL.1 of 1