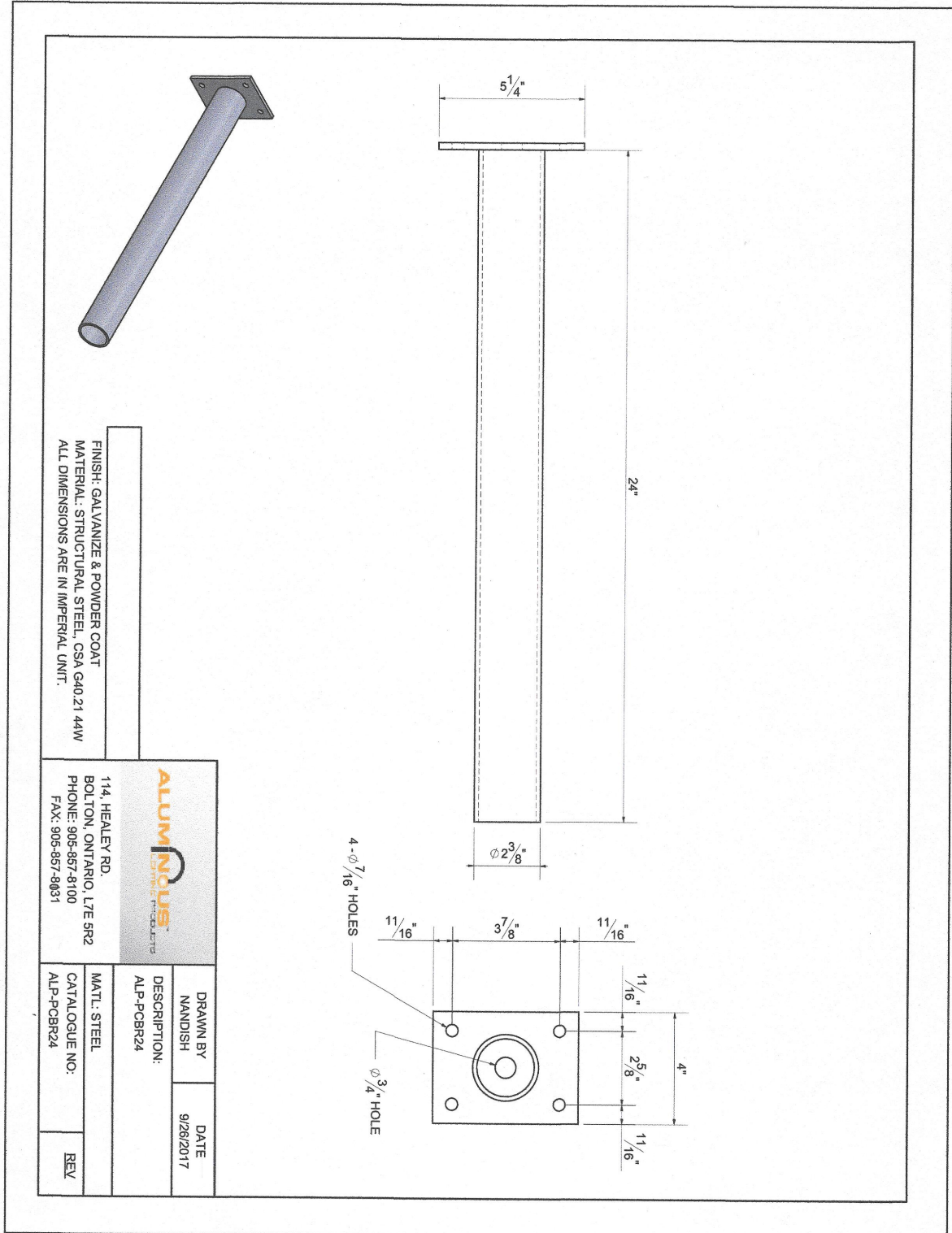




FINISH: GALVANNE & POWDER COAT MATERIAL: STRUCTURAL STEEL CSA C40 21 4W ALL DIMENSIONS ARE IN IMPERIAL UNIT.	1/4 HOLEY NO. BRIDGE NO. 1010, LTR 902 PHONE: 905-887-0100 FAX: 905-887-4431	ALUMINUM AL-PCBR24	DRAWN BY NANDISH DATE 9/26/2017
MATERIAL: STEEL C/A/CORR24 NO. AL-PCBR24	DESCRIPTION: AL-PCBR24	DATE 9/26/2017	DATE 9/26/2017

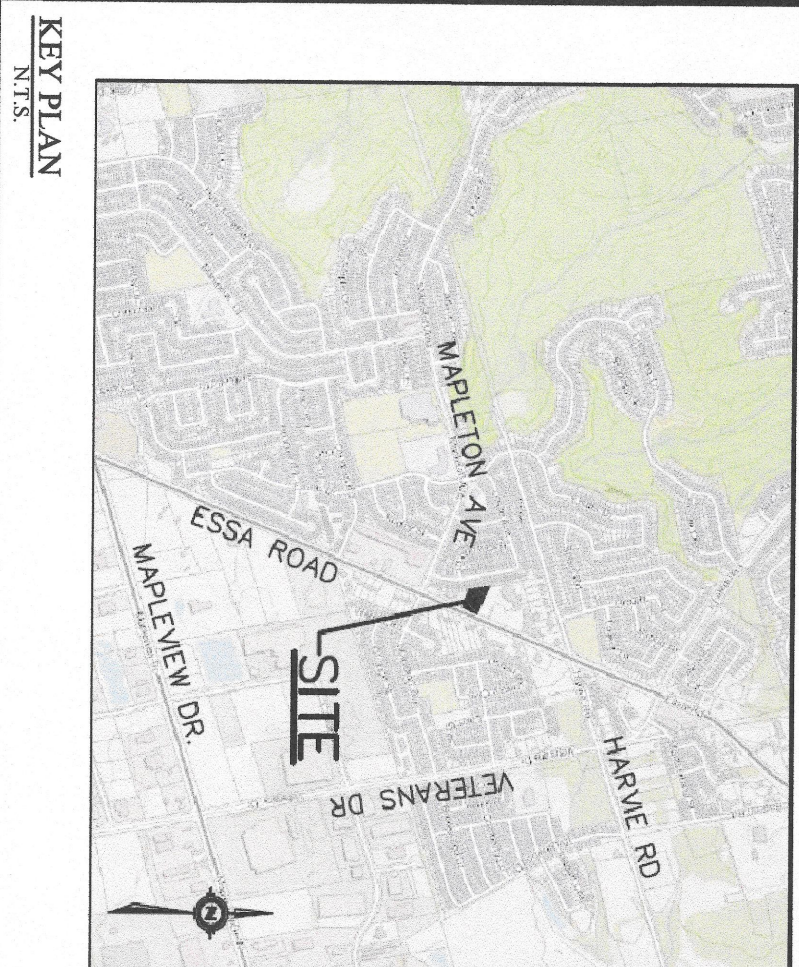
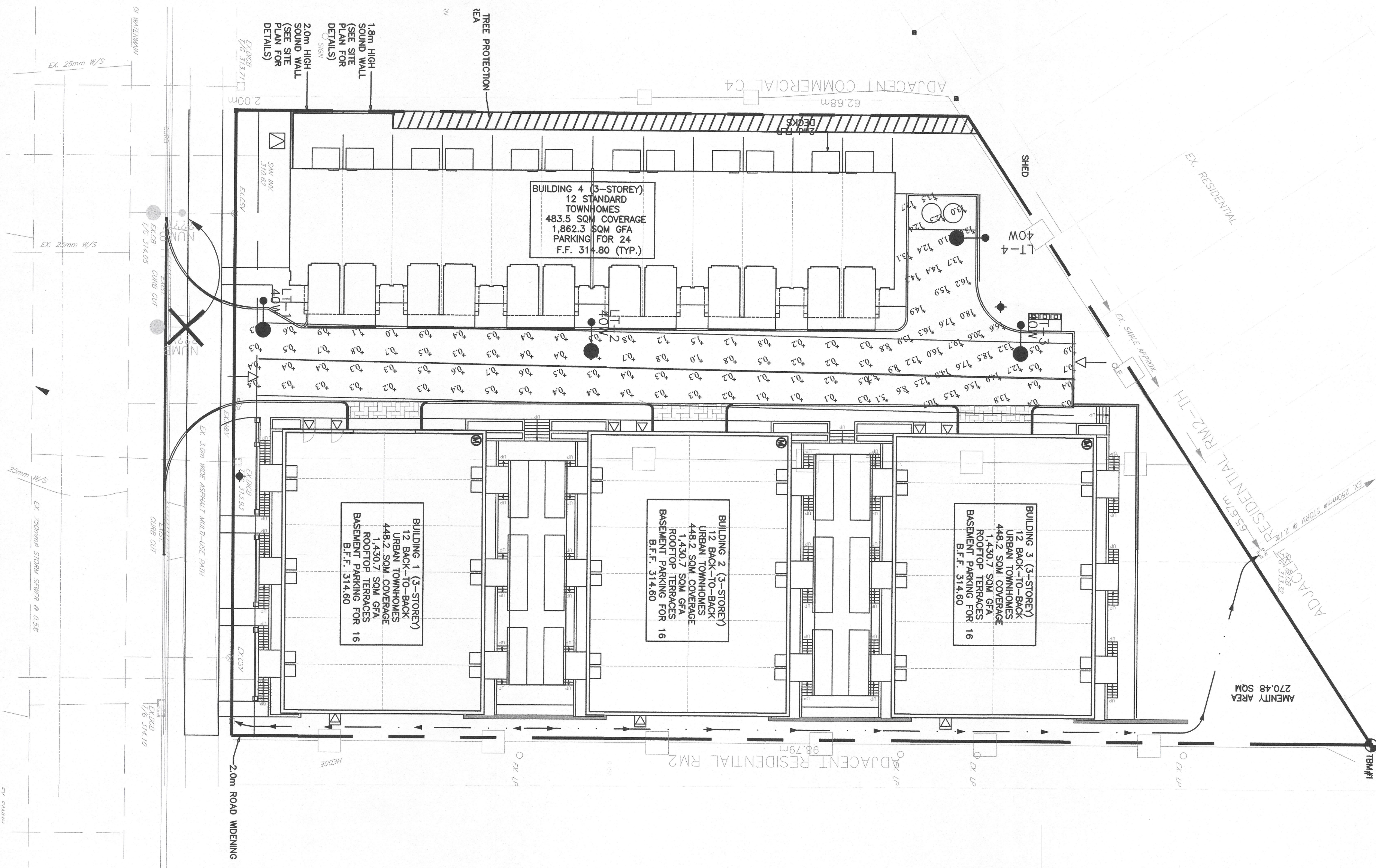
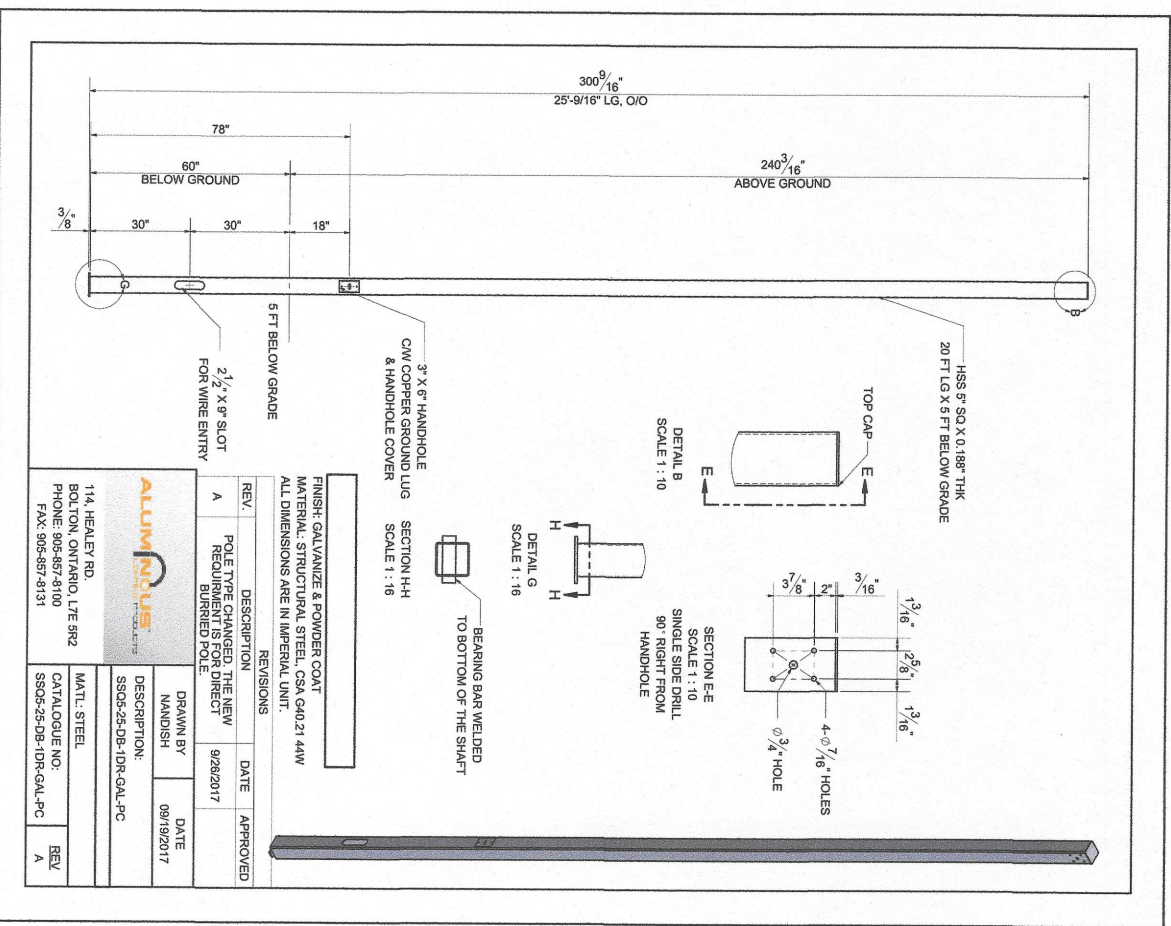
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Calculation Summary									
	Category	Units	Avg	Max	Min	Avg/Min	Max/Min	Var/Coeff	
1	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
2	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
3	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
4	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
5	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
6	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
7	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
8	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
9	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
10	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
11	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
12	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
13	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
14	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
15	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
16	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
17	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
18	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
19	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
20	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
21	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
22	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
23	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
24	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
25	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
26	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
27	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
28	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
29	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
30	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
31	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
32	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
33	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
34	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
35	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
36	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
37	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
38	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
39	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
40	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
41	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
42	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	
43	Street Light Illuminance	lx	0.85	1.2	0.6	1.42	2.0	0.4	

Roadway Type	Pedestrian Conflict	Luminance	Avg. Uniformity	Max. Uniformity	Max. Veiling
		Lay (cd/m ²)	(avg/Lmin)	(Lmax/Lmin)	(Lmax/Lavg)
Local	Low	(min) 0.3	(max) 6.0	(max) 10.0	(max) 0.4

Functional Classification	Average Maintained Illumination at Pavement by Pedestrian Area Classification in Lux / fc (Minimum Maintained Average Values)			Average Uniformity (Eavg/Emin) (max)
	High	Medium	Low	
Local/ Local	18.0 / 1.8	14.0 / 1.4	8.0 / 0.8	6.0



KEY PLAN
N.T.S.

LEGEND:

LIMIT OF DEVELOPMENT

7.6m SQUARE STEEL, POLE BY ALUMINUMS, CATALOG NUMBER: SS03-32-DB-10D-GAL-PLY WITH 0.6m STEEL ARM BY ALUMINUMS, CATALOG NUMBER: AL-P-PR024, CW 40W LED ECOBAA-HEAD, LUMINAIRE BY LEOLEC, C.A.T. NO. EC1-6M4M-VN-3-GY-530 AND EC1-6M4M-VN-3-GY-530-12413.IES PHOTOMETRIC FILE

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PHOTOMETRIC CALCULATION NODE

NOTES:

1. A LIGHT LOSS FACTOR OF 0.85 HAS BEEN USED IN ALL CALCULATIONS INSIDE THE DRIVE PRIORITY.
2. A MOUNTING HEIGHT OF 6.1m HAS BEEN USED IN ALL CALCULATIONS INSIDE THE DEVELOPMENT.
3. ALL VALUES ARE SHOWN IN LUX.
4. CALCULATIONS HAVE BEEN MADE USING LUX GUIDELINES AND IESNA RECOMMENDED PRACTICES.
5. STREET LIGHT POLE OFFSETS ARE 0.5m FROM BACK OF CURB.

[illegible]

MID
ENERGY INC.

70 COLLIER STREET
BARRIE, ONTARIO, L4M 4T5
TEL: (705) 726-4242
FAX: (705) 739-4237

521 AND 525 ESSA ROAD
RESIDENTIAL DEVELOPMENT

PHOTOMETRIC ANALYSIS

DATE:	NOVEMBER 2018	DESIGNED BY:	M.R.	CHECKED BY:	J.N.
SCALE:	1:250	DRAWN BY:	J.Y.	CHECKED BY:	D.A.

APPROVED TO BE IN GENERAL CONFORMANCE WITH THE CITY OF FARRIS STANDARDS. THIS ACCEPTANCE IS NOT TO BE CONSTRUED AS VERIFICATION OF ENGINEERING CONTENT

PROJECT No. 18-60555

CITY ENGINEER _____ Date _____

SL-01