



- ### STREETLIGHT LEGEND
- 63W TYPE II +/- LED AREA LUMINAIRE (120V SUPPLY) ON 8.1m POLE (WATTAGE AND TYPE NOTED)
 - 25W TYPE III +/- LED WALL MOUNTED BLACK LUMINAIRE WALL PACK AT 5.0m MOUNTING HEIGHT WIRED AND CONNECTED TO 120V SUPPLY (WATTAGE AND TYPE NOTED)
 - 85W TYPE III +/- LED AREA LUMINAIRE BACK TO BACK (120V SUPPLY) ON 8.1m POLE (WATTAGE AND TYPE NOTED)
 - 63W TYPE III +/- LED AREA LUMINAIRE BACK TO BACK (120V SUPPLY) ON 8.1m POLE (WATTAGE AND TYPE NOTED)
 - CALCULATED POINT ILLUMINANCE VALUES (IN LUX - ROADWAYS)
 - CALCULATED POINT ILLUMINANCE VALUES (IN LUX - PARKING AREAS)
 - CALCULATED POINT ILLUMINANCE VALUES (IN LUX - WALKWAYS)
 - CALCULATED POINT ILLUMINANCE VALUES (IN LUX - PERIMETER)
 - ISOLUX TEMPLATE LINES
CALCULATED POINT ILLUMINANCE VALUES

NO.	DATE	DESCRIPTION	BY
2	2024/10/16	2ND SUBMISSION	SS
1	2024/07/04	1ST SUBMISSION	AJ

REVISIONS



COLM ENGINEERING LTD.
400 MAIN STREET EAST, SUITE 214
MILTON, ONTARIO L7T 4X5
Tel. No. 289-851-2524



YOUNGBLOOD BLOCK 40 PHOTOMETRIC LAYOUT

- NOTES:
- ALL POINT ILLUMINANCE LEVELS ARE GIVEN IN LUX.
 - POINT ILLUMINANCE VALUES ARE INDICATED IN BLUE ALONG ROADWAYS.
 - POINT ILLUMINANCE VALUES ARE INDICATED IN GREEN WITHIN PARKING AREAS.
 - POINT ILLUMINANCE VALUES ARE INDICATED IN ORANGE WITHIN WALKWAYS.
 - ISOLUX TEMPLATES FOR INDIVIDUAL STREET LIGHTS REPRESENTING 1 LUX ARE INDICATED IN BLACK, 2 LUX IN BLUE, 5 LUX IN GREEN, 10 LUX IN CYAN AND 20 LUX IN RED AS LINES APPROXIMATE LIGHT POLE.
 - LIGHT LEVELS AT PERIMETER PROPERTY LINES ASSUME 1.8m PRIVACY FENCE AT PROPERTY LIMITS.

NO.	PERIMETER	CITY REQUIREMENT	CALCULATED ILLUMINANCE
16	FRONT	5 Lux MAX	2.5
17	BACK	5 Lux MAX	0.00

LIGHTING FIXTURE SCHEDULE

TYPE	QTY	LOCATION/MOUNTING HEIGHT	DESCRIPTION	LUMINAIRE MANUFACTURER/CAT.NO.	LUMINAIRE DETAILS	JES FILE NO.	POLE & ARM MANUFACTURER/CAT.NO.
	1	POLE 8.1m MH	LED SIDE MOUNT AREA LUMINAIRE CW TYPE II LIGHT DISTRIBUTION, 120 SUPPLY	CYCLONE LIGHTING CAT # HUD54A-NL-T2-P50-30K-MVOLT-PTL-BK OR APPROVED EQUAL	63W LED, 120V, 7200 LUMENS, 3000K, TYPE II, SHORT	HUD54A-NL-T2-P50-30K (B1912032)es	LSI: MA-300-A-3BE-10-F OR APPROVED EQUAL
	4#2	POLE 8.1m MH	LED SIDE MOUNT AREA LUMINAIRE CW TYPE III LIGHT DISTRIBUTION, 120 SUPPLY	CYCLONE LIGHTING CAT # HUD54A-NL-T2-P50-30K-MVOLT-PTL-BK OR APPROVED EQUAL	85W LED, 120V, 9400 LUMENS, 3000K, TYPE III, MEDIUM	HUD54A-NL-T4-P60-30K (B1912034)es	LSI: MA-300-A-3BE-10-F OR APPROVED EQUAL
	4#2	POLE 8.1m MH	LED SIDE MOUNT AREA LUMINAIRE CW TYPE III LIGHT DISTRIBUTION, 120 SUPPLY	CYCLONE LIGHTING CAT # HUD54A-NL-T2-P50-30K-MVOLT-PTL-BK OR APPROVED EQUAL	63W LED, 120V, 7078 LUMENS, 3000K, TYPE II, MEDIUM	HUD54A-NL-T2-P50-30K (B1912033)es	LSI: MA-300-A-3BE-10-F OR APPROVED EQUAL
	4	WALL 5.0m MH	LED WALL MOUNTED LUMINAIRE CW TYPE III LIGHT DISTRIBUTION, 120 SUPPLY	COOPER LIGHTING SOLUTIONS - MCGRAW EDISON CAT # IST-6A1B-750-U-T3-BK-PR7 OR APPROVED EQUAL	25W LED, 120V, 2643 LUMENS, 3000K, TYPE III, MEDIUM	IST-6A1B-750-U-T3-BK-PR7es	N/A

Imrie Road

STREET NAME	STREET CLASSIFICATION	PEDESTRIAN CONFLICT (LOW/MED/HIGH)	AREA CLASSIFICATION	REQ. ILLUMINANCE (lm/m²)	DESIGN ILLUMINANCE (lm/m²)	FIELD OF VIEW (deg)	MEETING CRITERIA (lm/m²)
ROAD 1	LOCAL	LOW	L2-1	4.5 (MIN)	11.7/11.8	N/A	YES
ROAD 2	LOCAL	LOW	L2-1	4.5 (MIN)	11.9/14.4	N/A	YES
ROAD 3	LOCAL	LOW	L2-1	4.5 (MIN)	4.86	N/A	YES
PARKING 1	RESIDENTIAL PARKING SPACES	LOW	L2-1	2.0 (MIN)	2.3	N/A	YES
PARKING 2	RESIDENTIAL PARKING SPACES	LOW	L2-1	2.0 (MIN)	2.6	N/A	YES
PARKING 3	RESIDENTIAL PARKING SPACES	LOW	L2-1	2.0 (MIN)	8.6	N/A	YES
PARKING 4	RESIDENTIAL PARKING SPACES	LOW	L2-1	2.0 (MIN)	8.2	N/A	YES
WALKWAY -1	WALKWAY	MED	L2-1	2.0 (MIN)	9.58	N/A	YES
WALKWAY -2	WALKWAY	MED	L2-1	2.0 (MIN)	2.99	N/A	YES

Walkway

STREET NAME	STREET CLASSIFICATION	PEDESTRIAN CONFLICT (LOW/MED/HIGH)	AREA CLASSIFICATION	REQ. ILLUMINANCE (lm/m²)	DESIGN ILLUMINANCE (lm/m²)	FIELD OF VIEW (deg)	MEETING CRITERIA (lm/m²)
WALKWAY -3	WALKWAY	MED	L2-1	10.01 (MAX)	11.62/11	N/A	YES
WALKWAY -4	WALKWAY	MED	L2-1	10.01 (MAX)	9.97	N/A	YES
WALKWAY -5	WALKWAY	MED	L2-1	10.01 (MAX)	3.22/1	N/A	YES
WALKWAY -6	WALKWAY	MED	L2-1	10.01 (MAX)	6.56	N/A	YES
WALKWAY -7	WALKWAY	MED	L2-1	10.01 (MAX)	1.93/1	N/A	YES
WALKWAY -8	WALKWAY	MED	L2-1	10.01 (MAX)	6.29/1	N/A	YES

DRAWN BY:	DATE	CHECKED BY:	DATE
SS	2024/10/16	MS	2024/10/16
SCALE	JOB NO.	DRAWING NO.	
1:500	24-46	PH-1	

