

1. ALL CALCULATIONS POINTS ARE TAKEN AT GROUND LEVEL AND ARE IN FOOTCANDLES.
2. TOTAL MOUNTING HEIGHT FOR ALL PARKING LOT/SITE LIGHTS IS 33' (10m).
3. TOTAL MOUNTING HEIGHT FOR ALL BUILDING LIGHTS IS 20' (6m).
4. ALL LIGHTS ARE FULL CUT-OFF/DARK SKY FRIENDLY.



- CONCRETE BASES FOR LUMINAIRES TO BE SUPPLIED AND INSTALLED BY THIS ELECTRICAL CONTRACTOR.



1. ALL DIMENSIONS ARE IN MILLIMETERS OR METERS.
2. CLASS OF CONCRETE SHALL BE 32mpa AIR ENTRAINMENT.
3. MINIMUM OF TWO SLEEVES REQUIRED FOR EACH CONC. FOUNDATION UNLESS OTHERWISE SHOWN.
4. CONTRACTOR TO VERIFY OPENING SIZE IN POLE BASE PLATE PRIOR TO SETTING CONDUIT SLEEVES. CONTRACTOR TO PROVIDE STRUCTURAL ENGINEER APPROVAL FOR BASE DESIGN.
5. SUBJECT TO SOIL CONDITIONS, REFER TO SOIL REPORT.
6. FORM RELEASE AGENT HAS BEEN FACTORY-APPLIED TO INSIDE SURFACE OF "AMFORM".



1. STUDS SHALL BE FACTORY SET WITH PRE-APPLIED THREAD LOCKING COMPOUND AND SHALL REMAIN IN PLACE DURING FOOTING AND POLE INSTALLATION.
2. ASSEMBLY NUTS SHALL BE SHIPPED HAND TIGHT ONLY.
3. THE WELDS SHALL DEVELOP THE STRENGTH OF THE STRUTS.
4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.

ASSEMBLY DIMENSIONS					
STUD DIA	STUD LENGTH D	BOLT CIRC. DIA A	STUD DISTANCE B	FERRULE LENGTH E	ANCHORAGE DEPTH C
32mm (1-1/4")	230	406	287	75	250mm FOR STRUCTURES
		449	318		457
19mm (3/4")	180	190	135	38	305

TYPICAL CONCRETE BASE FOR LUMINAIRE
N.T.S.

POLE LENGTH m	BURIAL DEPTH H m	ROD LENGTH m	A mm	NO. OF 10M TIES @450mm C/C	BOLT CIRCLE DIA FOR METAL POLES		
					ALUMINUM	STEEL	SECTIONAL STEEL
5.6	2.15	2.00	100	3	N/A	N/A	449
7.0	2.15	2.00	100	3	N/A	N/A	449
7.5	2.15	2.00	100	3	N/A	N/A	449
8.7	2.45	2.30	250	3	N/A	N/A	449
9.0	2.45	2.30	0	4	406	406	N/A
10.15	2.60	2.45	150	4	406	406	N/A
12.0	2.75	2.60	150	4	406	406	N/A
13.6	2.90	2.75	0	5	406	406	N/A
15.1	3.05	2.90	150	4	406	406	N/A

TYPE	DESCRIPTION
A	LUMINAIRE/POLE ASSEMBLY CONSISTING OF A DOUBLE (2) LED LUMINAIRES WITH TYPE IV DISTRIBUTION PATTERN, 3470 OUTDOOR USE DRIVER ON A 30"x30" SQUARE STEEL POLE WITH POLE BASE COVER ON 36" CONCRETE BASE. COLOUR OF FINISH OF POLE/HEAD ARCHITECT/TOWNER SELECTION. LAMPS SHALL BE SUPPLIED WITH THE FIXTURE. FIXTURE TO HAVE FLAT LENS, BE FULL CUT OFF AND DARK-SKY FRIENDLY. SOLERA CORP: HAZE-1-166W-HLV-3500K-TY-IV-CC
A2	LUMINAIRE/POLE ASSEMBLY CONSISTING OF A DOUBLE (2) LED LUMINAIRES WITH A TYPE V SQUARE DISTRIBUTION PATTERN, 5' MAST ARM, 3470 OUTDOOR USE DRIVER ON A 30"x30" SQUARE STEEL POLE WITH POLE BASE COVER ON 36" CONCRETE BASE. COLOUR OF FINISH OF POLE/HEAD ARCHITECT/TOWNER SELECTION. LAMPS SHALL BE SUPPLIED WITH THE FIXTURE. FIXTURE TO HAVE FLAT LENS, BE FULL CUT OFF AND DARK-SKY FRIENDLY. SOLERA CORP: HAZE-2-300W-HLV-3500K-TY-VS-CC-SMA
A3	LUMINAIRE/POLE ASSEMBLY CONSISTING OF A TRIPLE (3) LED LUMINAIRES MOUNTED AT 90° WITH A TYPE V SQUARE DISTRIBUTION PATTERN, 5' MAST ARM, 3470 OUTDOOR USE DRIVER ON A 30"x30" SQUARE STEEL POLE WITH POLE BASE COVER ON 36" CONCRETE BASE. COLOUR OF FINISH OF POLE/HEAD ARCHITECT/TOWNER SELECTION. LAMPS SHALL BE SUPPLIED WITH THE FIXTURE. FIXTURE TO HAVE FLAT LENS, BE FULL CUT OFF AND DARK SKY FRIENDLY. SOLERA CORP: HAZE-2-300W-HLV-3500K-TY-VS-CC-SMA
B	LUMINAIRE/POLE ASSEMBLY CONSISTING OF A SINGLE (1) LED LUMINAIRE WITH A TYPE IV DISTRIBUTION PATTERN, 5' MAST ARM, 3470 OUTDOOR USE DRIVER ON A 30"x30" SQUARE STEEL POLE WITH POLE BASE COVER ON 36" CONCRETE BASE. COLOUR OF FINISH OF POLE/HEAD TO ARCHITECT/TOWNER SELECTION. LAMPS SHALL BE SUPPLIED WITH THE FIXTURE. FIXTURE TO HAVE FLAT LENS, BE FULL CUT OFF AND DARK-SKY FRIENDLY. FIXTURE TO BE C/W HOUSE SIDE SHIELD. SOLERA CORP: HAZE-1-200W-HLV-3500K-TY-IV-HCO-CC-SMA
C	LUMINAIRE/POLE ASSEMBLY CONSISTING OF A SINGLE (1) LED LUMINAIRE WITH A TYPE II DISTRIBUTION PATTERN, 3470 OUTDOOR USE DRIVER ON A 30"x30" SQUARE STEEL POLE WITH POLE BASE COVER ON 36" CONCRETE BASE. COLOUR OF FINISH OF POLE/HEAD TO ARCHITECT/TOWNER SELECTION. LAMPS SHALL BE SUPPLIED WITH THE FIXTURE. FIXTURE TO HAVE FLAT LENS, BE FULL CUT OFF AND DARK-SKY FRIENDLY. FIXTURE TO BE C/W HOUSE SIDE SHIELD. SOLERA CORP: HAZE-1-166W-HLV-3500K-TY-II-HCO-CC
W	WALL MOUNTED LUMINAIRE CONSISTING OF A SINGLE (1) LED LUMINAIRE WITH A TYPE IV DISTRIBUTION PATTERN, 3470 OUTDOOR USE DRIVER AND WALL MOUNT ADAPTER. COLOUR OF FINISH OF HEAD TO ARCHITECT/TOWNER SELECTION. LAMPS SHALL BE SUPPLIED WITH THE FIXTURE. FIXTURE TO HAVE FLAT LENS BE FULL CUT OFF AND DARK-SKY FRIENDLY. FIXTURE TO BE MOUNTED AT 20' A.F.F. SOLERA CORP: HAZE-1-166W-HLV-3500K-TY-IV-CC-WM
W1	WALL MOUNTED LUMINAIRE CONSISTING OF A SINGLE (1) LED LUMINAIRE WITH A TYPE IV DISTRIBUTION PATTERN, 3470 OUTDOOR USE DRIVER AND WALL MOUNT ADAPTER. COLOUR OF FINISH OF HEAD TO ARCHITECT/TOWNER SELECTION. LAMPS SHALL BE SUPPLIED WITH THE FIXTURE. FIXTURE TO HAVE FLAT LENS BE FULL CUT OFF AND DARK-SKY FRIENDLY. FIXTURE TO BE MOUNTED AT 20' A.F.F. SOLERA CORP: HAZE-1-80W-HLV-3500K-TY-IV-CC-WM

THESE DRAWINGS ARE NOT TO BE SCALED FOR SITE DIMENSIONS. THE CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND SITE CONDITIONS AT THE PROJECT SITE AND MUST REPORT ANY DISCREPANCIES TO THE CONSULTANTS BEFORE PROCEEDING WITH THE WORK.

COORDINATE ALL OF THE WORK WITH OTHER TRADES & THE LAYOUTS SHOWN ON THE OTHER CONSULTANTS AND THE ARCHITECTURAL DRAWINGS (WHERE APPLICABLE). REFER TO THE APPROPRIATE CONSULTANT DRAWINGS BEFORE PROCEEDING WITH THE WORK FOR ANY COORDINATION REQUIREMENTS.

THIS CONTRACTOR MUST CONFORM TO ALL APPLICABLE CODES AND STANDARD REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR SHALL WORK FROM DRAWINGS MARKED 'ISSUED FOR CONSTRUCTION' AND SHALL ENSURE LATEST ISSUED INSTRUCTIONS ARE FOLLOWED. THIS CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY AND BEAR COSTS FOR ANY CORRECTIONS OR DAMAGES RESULTING FROM THEIR WORK.

No.	By	Description	Date
04	BK	ISSUED FOR SPA	2025-06-25
03	BK	ISSUED FOR REVIEW	2026-06-12
02	BK	ISSUED FOR COORDINATION	2025-10-29
01	BK	ISSUED FOR COORDINATION	2025-08-20

WO MW REALTY LIMITED
OFFICE GROUP
SITE PLAN APPLICATION
NEW MILLER WASTE FACILITY

3145 CONROY ROAD, OTTAWA, ON

Drawing

ELECTRICAL PHOTOMETRIC SITE PLAN OVERALL

Scale

AS NOTED

Drawn

BD

Checked

BK

Plan # 15862

File # D07-12-25-0107

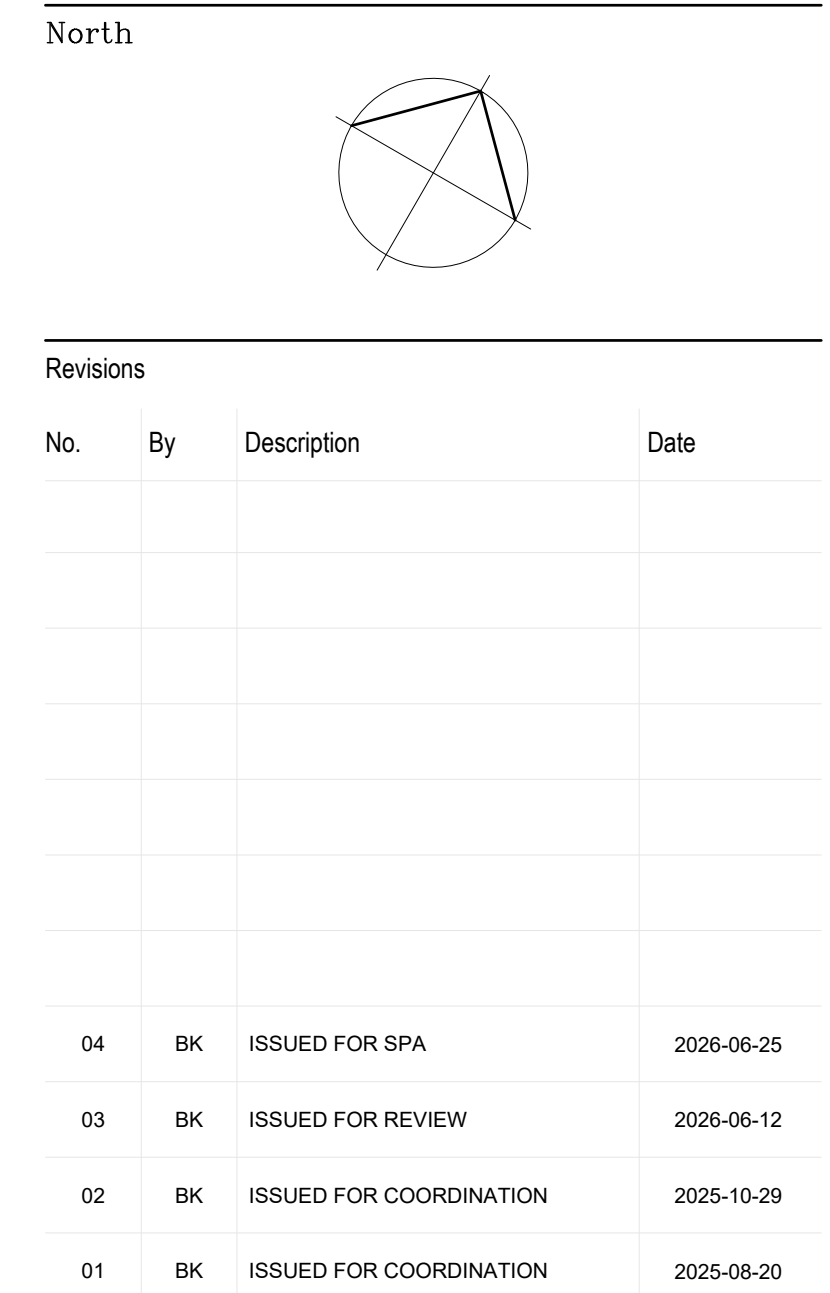
Project No

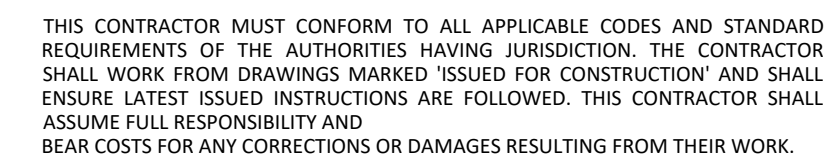
25-000-087

Date _____

MAY 2025

ESP



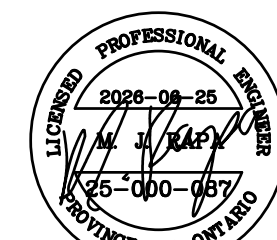


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3145 CONROY ROAD, OTTAWA, ON

ELECTRICAL PHOTOMETRIC SITE PLAN - PART 2

Drawn	BD
Checked	BK



MAY 2025

ESP2