

Luminaire Schedule				
Qty	Description	Tag	LLF	Luminaire Watts
5	WFCM-121-U-50-12	W2	0.950	87
2	SAS-61-U-30-13	P1	0.450	23
4	SAS-61-U-30-14	P2	0.900	45.8
17	WFCM-4L-U-40-13	W1	0.950	26

Calculation Summary									
Location	Calc Type	Units	Avg	Max	Min	Avg/Min	Max/Min	Max/Avg	
01-PL-East	Illuminance	Lux	9.82	20	2	N.A.	N.A.	3.08	
01-PL-North	Illuminance	Lux	7.54	19	0	N.A.	N.A.	2.52	
01-PL-South	Illuminance	Lux	7.96	22	1	N.A.	N.A.	2.76	
01-PL-West	Illuminance	Lux	9.10	19	2	N.A.	N.A.	2.09	
01-PLV-East Vert	Illuminance	Lux	7.74	23	0	N.A.	N.A.	2.97	
01-PLV-North Vert	Illuminance	Lux	4.33	15	0	N.A.	N.A.	3.46	
01-PLV-South Vert	Illuminance	Lux	6.69	24	1	N.A.	N.A.	2.76	
01-PLV-West Vert	Illuminance	Lux	7.96	23	0	N.A.	N.A.	2.89	
03 - SW - EAST	Illuminance	Lux	12.93	133.6	6.6	1.96	N.A.	N.A.	
03 - SW - NORTH	Illuminance	Lux	9.61	16.3	3.2	3.00	N.A.	N.A.	
03 - SW - North Trail	Illuminance	Lux	4.27	9	1	4.27	N.A.	N.A.	
03 - SW - South Trail	Illuminance	Lux	5.60	10	1	5.60	N.A.	N.A.	
03 - SW - WEST	Illuminance	Lux	13.74	154.3	7.5	1.83	N.A.	N.A.	
03 - SWV - EAST	Illuminance	Lux	5.24	N.A.	N.A.	N.A.	N.A.	N.A.	
03 - SWV - NORTH	Illuminance	Lux	3.89	N.A.	N.A.	N.A.	N.A.	N.A.	
03 - SWV - North Trail	Illuminance	Lux	1.40	N.A.	N.A.	N.A.	N.A.	N.A.	
03 - SWV - South Trail	Illuminance	Lux	3.83	N.A.	N.A.	N.A.	N.A.	N.A.	
03 - SWV - WEST	Illuminance	Lux	5.55	N.A.	N.A.	N.A.	N.A.	N.A.	
07 - DA - DELIVERY AREA	Illuminance	Lux	207.35	356	30	4.15	N.A.	N.A.	
07 - DAY - Delivery Vert	Illuminance	Lux	72.67	129	13	5.59	N.A.	N.A.	
09 - TR - EAST	Illuminance	Lux	N.A.	2	0	N.A.	N.A.	N.A.	
09 - TR - NORTH	Illuminance	Lux	N.A.	2	0	N.A.	N.A.	N.A.	
09 - TR - SOUTH	Illuminance	Lux	N.A.	1	0	N.A.	N.A.	N.A.	
09 - TR - WEST	Illuminance	Lux	N.A.	2	0	N.A.	N.A.	N.A.	

1 ILLUMINANCE CALCULATION AND LUMINAIRE SUMMARY

ANSI/IES RP-8-25 RECOMMENDED PRACTICE: LIGHTING ROADWAY AND PARKING FACILITIES
TABLE 17-1. DESIGN CRITERIA FOR PARKING LOTS

APPLICATION DRIVE AISLES / PARKING AREAS
HORIZONTAL ILLUMINANCE 2 LUX @ 0.0M AVERAGE
UNIFORMITY RATIO 4:1 MAX:AVG
VERTICAL ILLUMINANCE 1 LUX @ 1.5M AVERAGE
UNIFORMITY RATIO 20:1 MAX:AVG

ANSI/IES RP-7-20 RECOMMENDED PRACTICE: INDUSTRIAL LIGHTING
TABLE A-1. RECOMMENDED ILLUMINANCE CRITERIA FOR INDUSTRIAL AREAS/TASKS

APPLICATION LOADING/UNLOADING PLATFORMS - OUTDOOR
PEDESTRIAN ACTIVITY LOW
HORIZONTAL ILLUMINANCE 200 LUX
UNIFORMITY RATIO 10:1 AVERAGE
VERTICAL ILLUMINANCE 100 LUX AVERAGE @ 1.5M AFF

ANSI/IES RP-8-25 RECOMMENDED PRACTICE: LIGHTING ROADWAY AND PARKING FACILITIES
TABLE 11-2. DESIGN CRITERIA FOR PEDESTRIAN WALKWAYS AND SHARED-USE PATHWAYS WITHIN ROADWAY RIGHT-OF-WAY

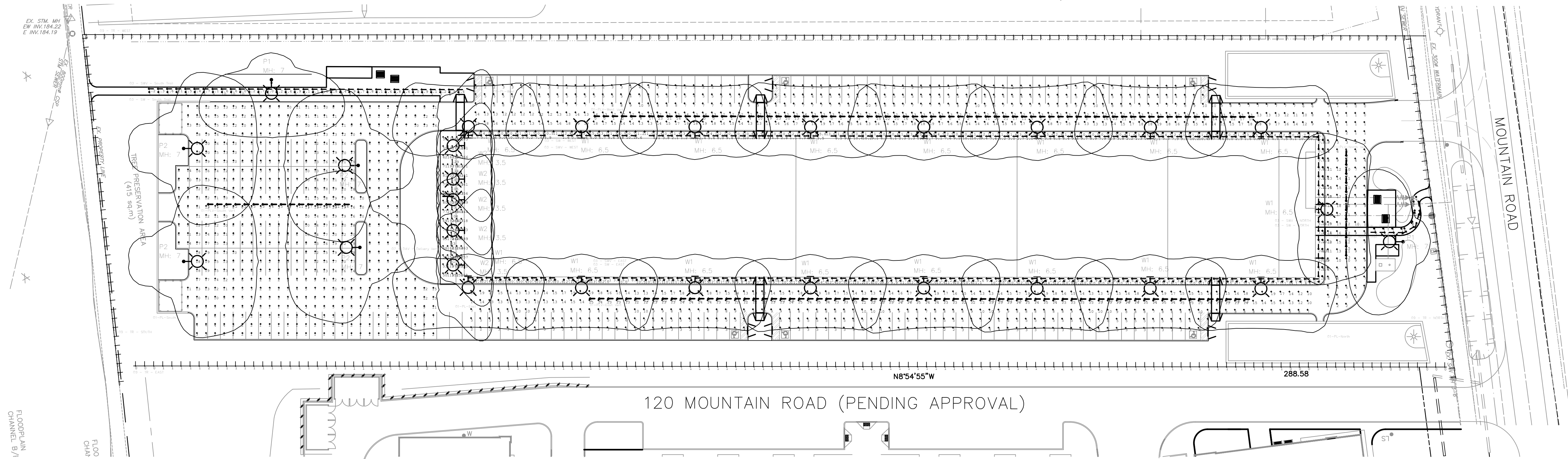
PEDESTRIAN ACTIVITY LOW
HORIZONTAL ILLUMINANCE 200 LUX
UNIFORMITY RATIO 10:1 AVERAGE
VERTICAL ILLUMINANCE 1 LUX AVERAGE @ 1.5M AFF

ANSI/IES RP-8-25 RECOMMENDED PRACTICE: LIGHTING ROADWAY AND PARKING FACILITIES
TABLE 4-3. MAXIMUM INITIAL LIGHT TRESPASS FROM EXTERIOR LIGHTING BASED ON LIGHTING ZONE

NORTH BOUNDARY (MOUNTAIN ROAD)
LIGHTING ZONE L22
VERTICAL ILLUMINANCE 3.0 LUX
SOUTH BOUNDARY (FLOODPLAIN/CHANNEL AREA)
LIGHTING ZONE L21
VERTICAL ILLUMINANCE 1.0 LUX
EAST BOUNDARY (COMMERCIAL)
LIGHTING ZONE L22
VERTICAL ILLUMINANCE 3.0 LUX
WEST BOUNDARY (COMMERCIAL)
LIGHTING ZONE L22
VERTICAL ILLUMINANCE 3.0 LUX

2 ILLUMINATION TARGET VALUES (ANSI/IES RP8-25)

180 MOUNTAIN ROAD (CONSTRUCTION IN PROGRESS)



3 ELECTRICAL PHOTOMETRIC LAYOUT (ILLUMINATION SHOWN IN LUX)

ACCEPTED FOR
CONSTRUCTION
TOWN OF COLLINGWOOD

PER _____
DATE: _____

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BENCHMARKS

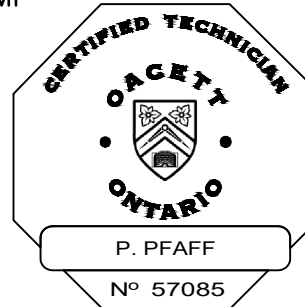
TBM2 - ELEVATION 189.765
NAIL & WASHER ON NORTH FACE OF HYDRO POLE LOCATED ON NORTH SIDE OF MOUNTAIN ROAD JUST WEST OF EXISTING ACCESS TO SITE.

NOTES

LEGAL INFORMATION SHOWN FROM REGISTERED PLAN 51R-41847 BY ZUBEK, EMO, PATTEN & THOMSEN LIMITED, DATED NOVEMBER 16, 2018 AND SIGNED BY PAUL R. THOMSEN.

No.	REVISION DESCRIPTION	DATE
1.	1ST SUBMISSION	DEC 16/22
2.	2ND SUBMISSION	MAY 26/26

ENGINEER STAMP



140 MOUNTAIN ROAD
TOWN OF COLLINGWOOD

SITE PHOTOMETRICS

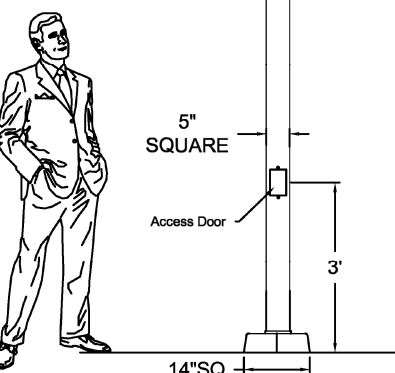
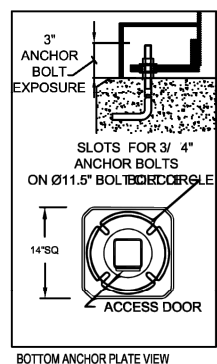
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ENGINEERING

DESIGN: PP	FILE: 121036	DWG:
DRAWN: RSB	DATE: DEC 2022	E-1
CHECK: SRT	SCALE: AS NOTED	

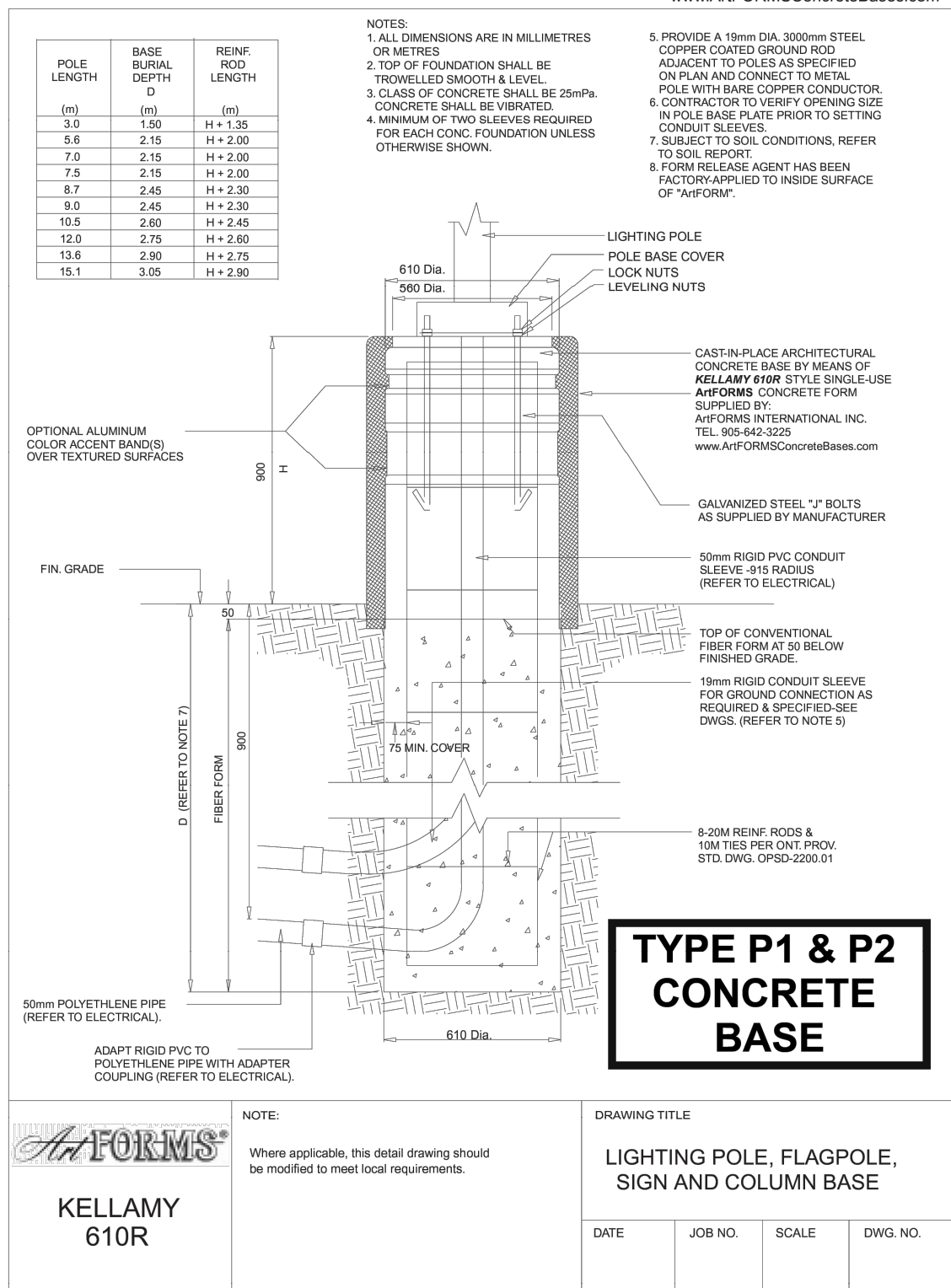
Please Note: Fabrication will not begin until this drawing is approved, signed and returned to HCI

☐ APPROVED
☐ APPROVED AS NOTED
☐ REJECTED
☐ REVISE AND RESUBMIT

By _____
Date _____



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TYPE P1 & P2 CONCRETE BASE

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140 MOUNTAIN ROAD
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