

SITE LIGHTING FIXTURE SCHEDULE								SURFACE		RECESS		SEE NOTE	
DES.	DESCRIPTION	LAMP DATA		VOLT	DEPTH	LIGHTING FIXTURE		CEILING	WALL	SPECIAL	CONCEAL		DRYWALL
		NO.	TYPE			MFR.	CAT. NO.				LAY-IN	WALL	
T3	LED AREA POLE-MOUNT FIXTURE TYPE 3 DISTRIBUTION, BLACK ON 8' POLE, 12' TOTAL HEIGHT	1	48W LED 4000K	120/277V	--	LIGMAN LIGHTING	UFOR-20001-48W-T3-W40-01			●			1,2,3
T3-HS	LED AREA FIXTURE, TYPE 3 DIST. BLACK, HOUSE SIDE SHIELD ON 8' POLE, 12' TOTAL HEIGHT	1	48W LED 4000K	120/277V	--	LIGMAN LIGHTING	UFOR-20001-48W-T3-W40-01-HSS			●			1,2,3
T5	LED AREA POLE-MOUNT FIXTURE TYPE 5 DISTRIBUTION, BLACK ON 8' POLE, 12' TOTAL HEIGHT	1	48W LED 4000K	120/277V	--	LIGMAN LIGHTING	UFOR-20001-48W-T5-W40-01			●			1,2,3
P5	LED BOLLARD ON 6" BASE SYMMETRICAL DISTRIBUTION BLACK - 4" TOTAL HEIGHT	1	50W LED 4000K	120/277V	--	LIGMAN LIGHTING	UFOR-10031-50W-W40-01			●			2,3,4

LIGHTING FIXTURE NOTES:

- PROVIDE 2" TALL CONCRETE POLE BASE.
- PROVIDE PHOTOCELL ON FIXTURE OR BY TIMECLOCK IN BUILDING. DESIGN/BUILD CONTRACTOR TO FINALIZE CONTROLS.
- PROVIDE WITH 8" ROUND POLE, BLACK. SIZE BASED ON MANUFACTURER REQUIREMENTS FOR TENON SIZE.
- PROVIDE 6" TALL CONCRETE BOLLARD BASE.

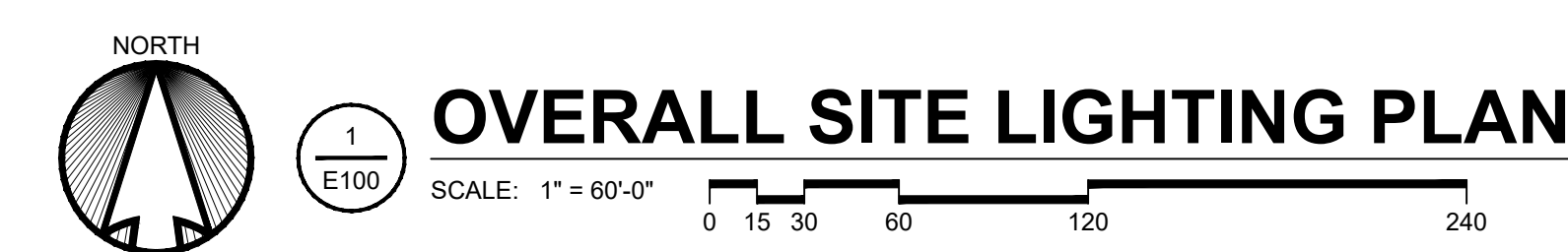
SHEET NOTES

- THIS LIGHTING WAS DESIGNED TO MATCH DEVELOPMENT AESTHETIC WHILE BEING COMPLIMENTARY TO NEIGHBORING PROPERTIES.
- THE LIGHTING DESIGN IS IN COMPLIANCE WITH THE CITY OF FRANKLIN ZONING ORDINANCE, SECTION 15-5.0401 (C) EXTERIOR LIGHTING STANDARDS. USE OF CUT-OFF LUMINAIRES WITH ANGLE LESS THAN 90-DEGREES. THE PROPERTY IS ZONED AS "PDD 37" CATEGORIZING THE ZONING AS "ALL OTHER DISTRICTS" WITHIN THE LIGHTING STANDARDS. THIS LIMITS THE PROPERTY LINE ILLUMINATION LEVEL TO 4fc AND A MAXIMUM LUMINAIRE HEIGHT OF 50'.

GENERAL NOTES: OVERALL SITE PLAN

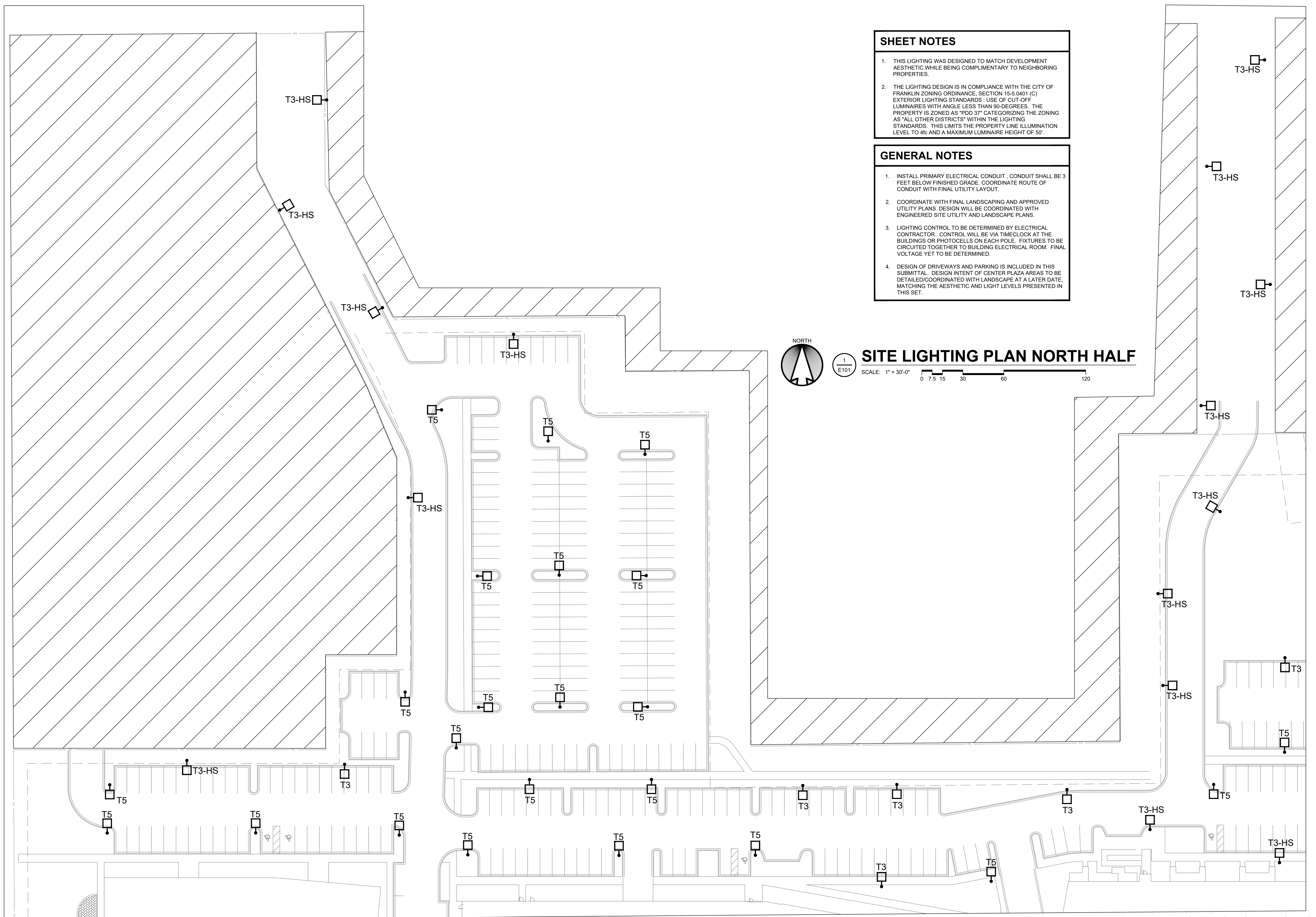
- FIXTURE SELECTION AND STYLING TO BE BASIS OF DESIGN. EQUIVALENTS MAY BE FURNISHED BUT GENERAL LAYOUT, AESTHETIC, AND PHOTOMETRICS PROVIDED IN THIS SET ARE TO BE MAINTAINED.
- INSTALL PRIMARY ELECTRICAL CONDUIT. CONDUIT SHALL BE 3 FEET BELOW FINISHED GRADE. COORDINATE ROUTE OF CONDUIT WITH FINAL UTILITY LAYOUT.
- COORDINATE WITH FINAL LANDSCAPING AND APPROVED UTILITY PLANS. DESIGN IS COORDINATED WITH ENGINEERED SITE UTILITY AND LANDSCAPE PLANS.
- ASSUME LIGHTING CONTROL VIA TIMECLOCK AT EACH UNIT BUILDING. FIXTURES TO BE CIRCUITED TO NEAREST UNIT BUILDING HOUSE PANEL. FINAL VOLTAGE YET TO BE DETERMINED.
- SEE PLANS E101, E102, & E103 FOR ENLARGED LAYOUTS AND FIXTURE TAGS.

ELECTRICAL SHEET LIST	
SHEET NUMBER	SHEET NAME
E100	OVERALL SITE LIGHTING PLAN
E101	SITE LIGHTING PLAN NORTH HALF
E102	SITE LIGHTING PLAN SOUTHWEST CORNER
E103	SITE LIGHTING PLAN SOUTHEAST CORNER
E200	OVERALL SITE PHOTOMETRIC PLAN
E201	SITE PHOTOMETRIC PLAN NORTH HALF
E202	SITE PHOTOMETRIC PLAN SOUTHWEST CORNER
E203	SITE PHOTOMETRIC PLAN SOUTHEAST CORNER
E300	SITE LIGHTING CUTSHEET & DETAIL



DESIGNED BY: **AMB**
 DRAWN BY: **ALN**
 CHECKED BY: **JRH**
LEEDY & PETZOLD ASSOCIATES, LLC
 CONSULTING ELECTRICAL ENGINEERS/PLANNERS
 11046 W. BLUEMOUND ROAD
 WAUKESHA, WISCONSIN 53086
 PH: (262) 865-1544
 PROJECT DESCRIPTION: **CITY OF FRANKLIN REVIEW SET**
 PROJECT LOCATION: **POTH'S GENERAL APARTMENTS**
WEST LOCOMIS ROAD
FRANKLIN, MILWAUKEE COUNTY, WI 53132
 SHEET NUMBER: **8685**
 DATE: **10/13/2023**
 SHEET TITLE: **OVERALL SITE LIGHTING PLAN**
 SHEET NUMBER: **E100**

PRELIMINARY DRAWING - NOT FOR CONSTRUCTION

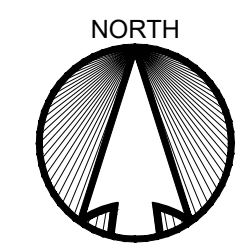


SHEET NOTES

1. THIS LIGHTING WAS DESIGNED TO MATCH DEVELOPMENT AESTHETIC WHILE BEING COMPLIMENTARY TO NEIGHBORING PROPERTIES.
2. THE LIGHTING DESIGN IS IN COMPLIANCE WITH THE CITY OF FRANKLIN ZONING ORDINANCE, SECTION 15-5.0401 (C) EXTERIOR LIGHTING STANDARDS : USE OF CUT-OFF LUMINAIRES WITH ANGLE LESS THAN 90-DEGREES. THE PROPERTY IS ZONED AS "PDD 37" CATEGORIZING THE ZONING AS "ALL OTHER DISTRICTS" WITHIN THE LIGHTING STANDARDS. THIS LIMITS THE PROPERTY LINE ILLUMINATION LEVEL TO 4fc AND A MAXIMUM LUMINAIRE HEIGHT OF 50'.

GENERAL NOTES

1. INSTALL PRIMARY ELECTRICAL CONDUIT , CONDUIT SHALL BE 3 FEET BELOW FINISHED GRADE. COORDINATE ROUTE OF CONDUIT WITH FINAL UTILITY LAYOUT.
2. COORDINATE WITH FINAL LANDSCAPING AND APPROVED UTILITY PLANS. DESIGN WILL BE COORDINATED WITH ENGINEERED SITE UTILITY AND LANDSCAPE PLANS.
3. LIGHTING CONTROL TO BE DETERMINED BY ELECTRICAL CONTRACTOR. CONTROL WILL BE VIA TIMECLOCK AT THE BUILDINGS OR PHOTOCELLS ON EACH POLE. FIXTURES TO BE CIRCUITED TOGETHER TO BUILDING ELECTRICAL ROOM. FINAL VOLTAGE YET TO BE DETERMINED.
4. DESIGN OF DRIVEWAYS AND PARKING IS INCLUDED IN THIS SUBMITTAL. DESIGN INTENT OF CENTER PLAZA AREAS TO BE DETAILED/COORDINATED WITH LANDSCAPE AT A LATER DATE, MATCHING THE AESTHETIC AND LIGHT LEVELS PRESENTED IN THIS SET.



1
E101

SITE LIGHTING PLAN NORTH HALF

SCALE: 1" = 30'-0" 0 7.5 15 30 60 120

DESIGNED BY: **AMB**
DRAWN BY: **ALN**
CHECKED BY: **JRH**

LEEDY & PETZOLD ASSOCIATES, LLC
CONSULTING ELECTRICAL ENGINEERS/PLANNERS
11046 W. BLUEMOUND ROAD
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PH: (262) 865-1544

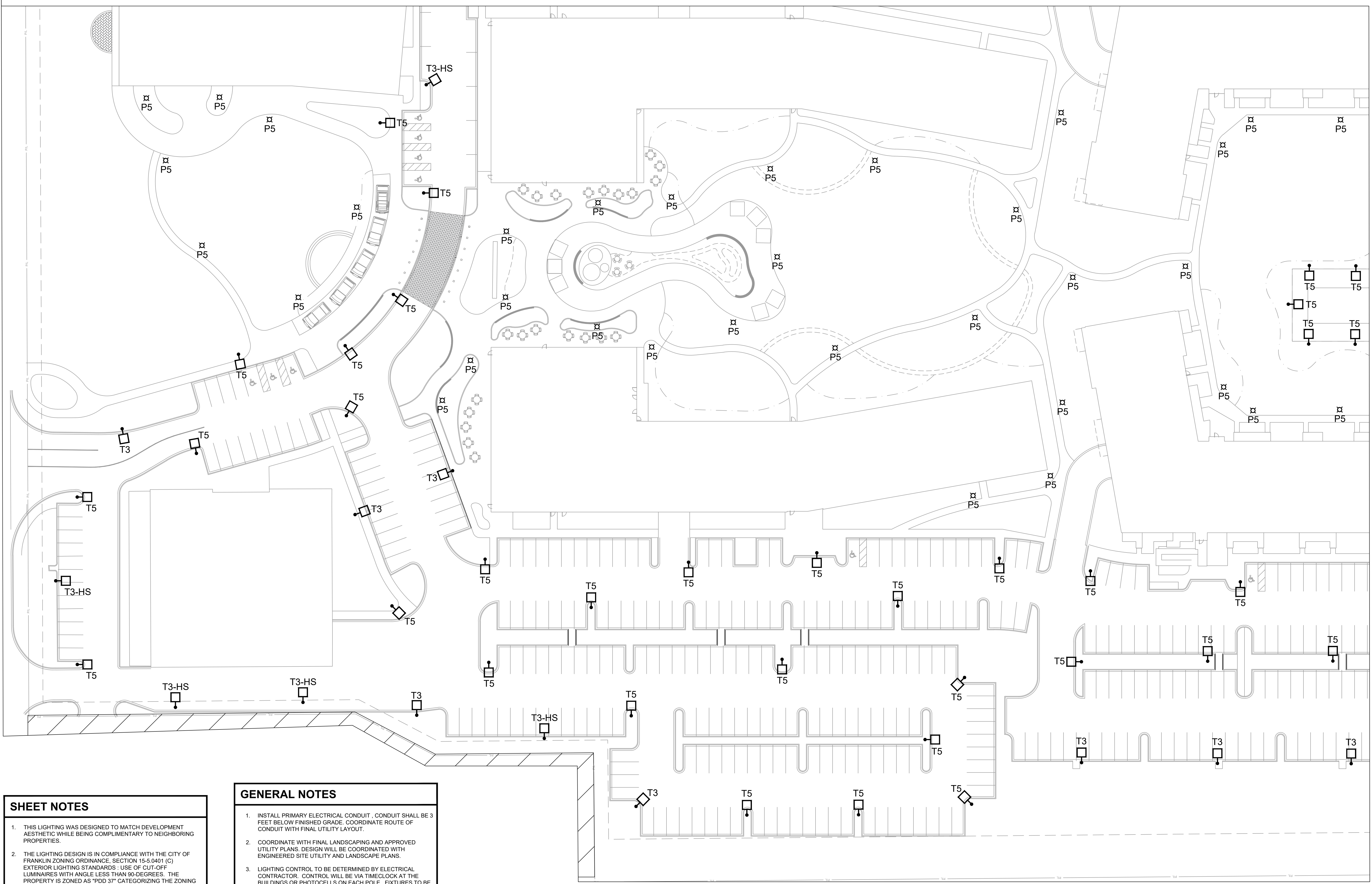
PROJECT DESCRIPTION:
CITY OF FRANKLIN REVIEW SET

PROJECT LOCATION:
**POTH'S GENERAL APARTMENTS
WEST LOCOMIS ROAD
FRANKLIN, MILWAUKEE COUNTY, WI 53132**

PROJECT NUMBER: **8685**
DATE: **10/13/2023**

SHEET NUMBER:
E101

PRELIMINARY DRAWING - NOT FOR CONSTRUCTION

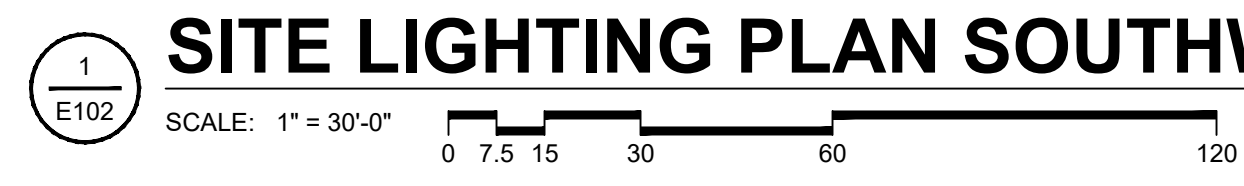
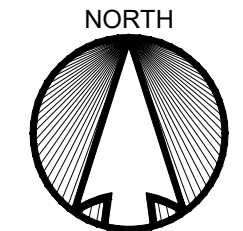


SHEET NOTES

1. THIS LIGHTING WAS DESIGNED TO MATCH DEVELOPMENT AESTHETIC WHILE BEING COMPLIMENTARY TO NEIGHBORING PROPERTIES.
2. THE LIGHTING DESIGN IS IN COMPLIANCE WITH THE CITY OF FRANKLIN ZONING ORDINANCE, SECTION 15-5.0401 (C) EXTERIOR LIGHTING STANDARDS: USE OF CUT-OFF LUMINAIRES WITH ANGLE LESS THAN 90-DEGREES. THE PROPERTY IS ZONED AS "PDD 37" CATEGORIZING THE ZONING AS "ALL OTHER DISTRICTS" WITHIN THE LIGHTING STANDARDS. THIS LIMITS THE PROPERTY LINE ILLUMINATION LEVEL TO 4fc AND A MAXIMUM LUMINAIRE HEIGHT OF 50'.

GENERAL NOTES

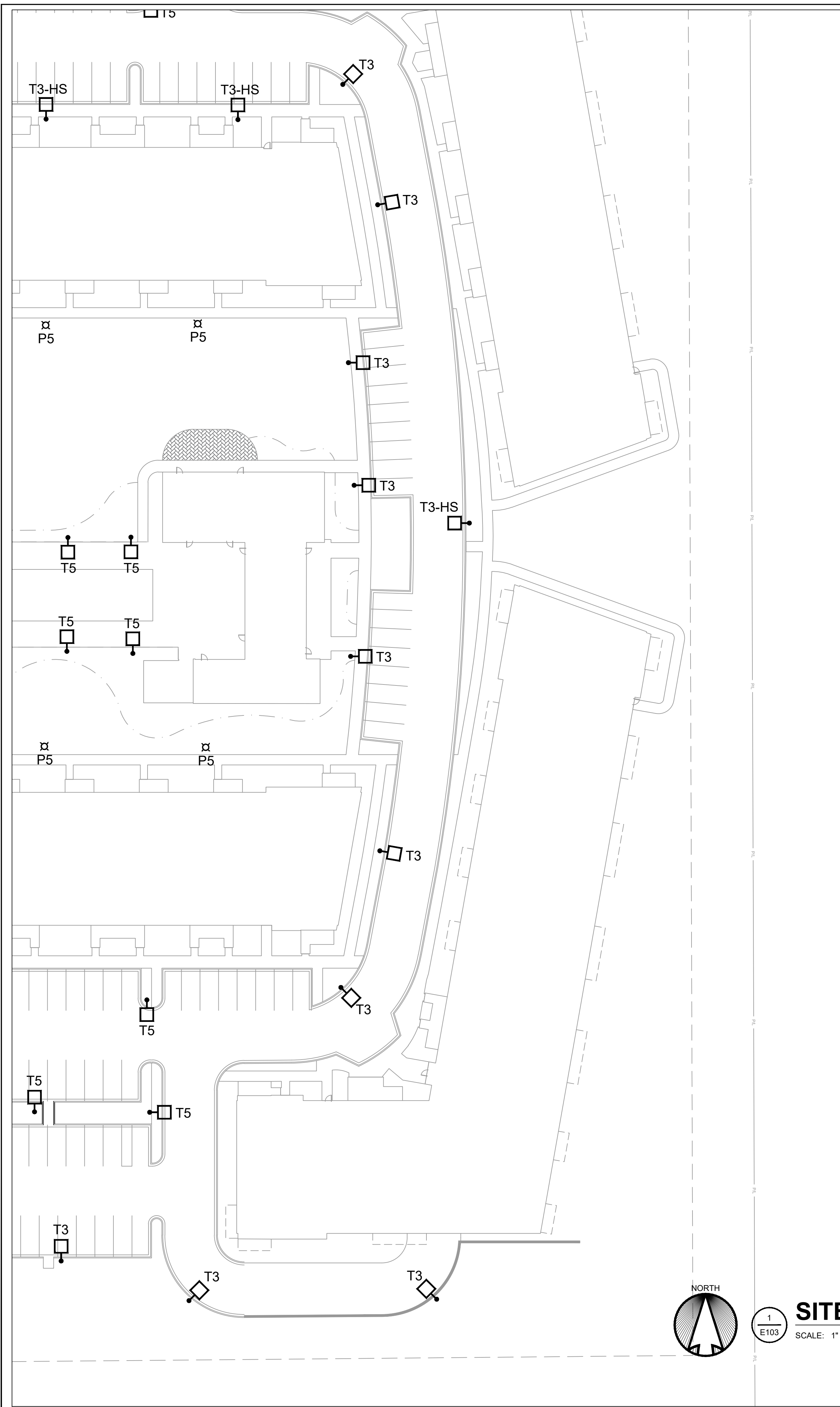
1. INSTALL PRIMARY ELECTRICAL CONDUIT, CONDUIT SHALL BE 3 FEET BELOW FINISHED GRADE. COORDINATE ROUTE OF CONDUIT WITH FINAL UTILITY LAYOUT.
2. COORDINATE WITH FINAL LANDSCAPING AND APPROVED UTILITY PLANS. DESIGN WILL BE COORDINATED WITH ENGINEERED SITE UTILITY AND LANDSCAPE PLANS.
3. LIGHTING CONTROL TO BE DETERMINED BY ELECTRICAL CONTRACTOR. CONTROL WILL BE VIA TIMECLOCK AT THE BUILDINGS OR PHOTOCELLS ON EACH POLE. FIXTURES TO BE CIRCUITED TOGETHER TO BUILDING ELECTRICAL ROOM. FINAL VOLTAGE YET TO BE DETERMINED.
4. DESIGN OF DRIVEWAYS AND PARKING IS INCLUDED IN THIS SUBMITTAL. DESIGN INTENT OF CENTER PLAZA AREAS TO BE DETAILED/COORDINATED WITH LANDSCAPE AT A LATER DATE, MATCHING THE AESTHETIC AND LIGHT LEVELS PRESENTED IN THIS SET.



SITE LIGHTING PLAN SOUTHWEST CORNER

PRELIMINARY DRAWING - NOT FOR CONSTRUCTION

DESIGNED BY AMB	LEEDY & PETZOLD ASSOCIATES, LLC CONSULTING ELECTRICAL ENGINEERS/PLANNERS 11046 W. BLUEMOUND ROAD WAUKESHA, WISCONSIN 53226 PH. (262) 865-1544
DRAWN BY ALN	
CHECKED BY JRH	
PROJECT NUMBER 8685	PROJECT DESCRIPTION CITY OF FRANKLIN REVIEW SET
DATE 10/13/2023	PROJECT LOCATION POTHS GENERAL APARTMENTS WEST LOCOMIS ROAD FRANKLIN, MILWAUKEE COUNTY, WI 53132
SHEET NUMBER E102	SHEET TITLE SITE LIGHTING PLAN SOUTHWEST CORNER



SITE LIGHTING PLAN SOUTHEAST CORNER

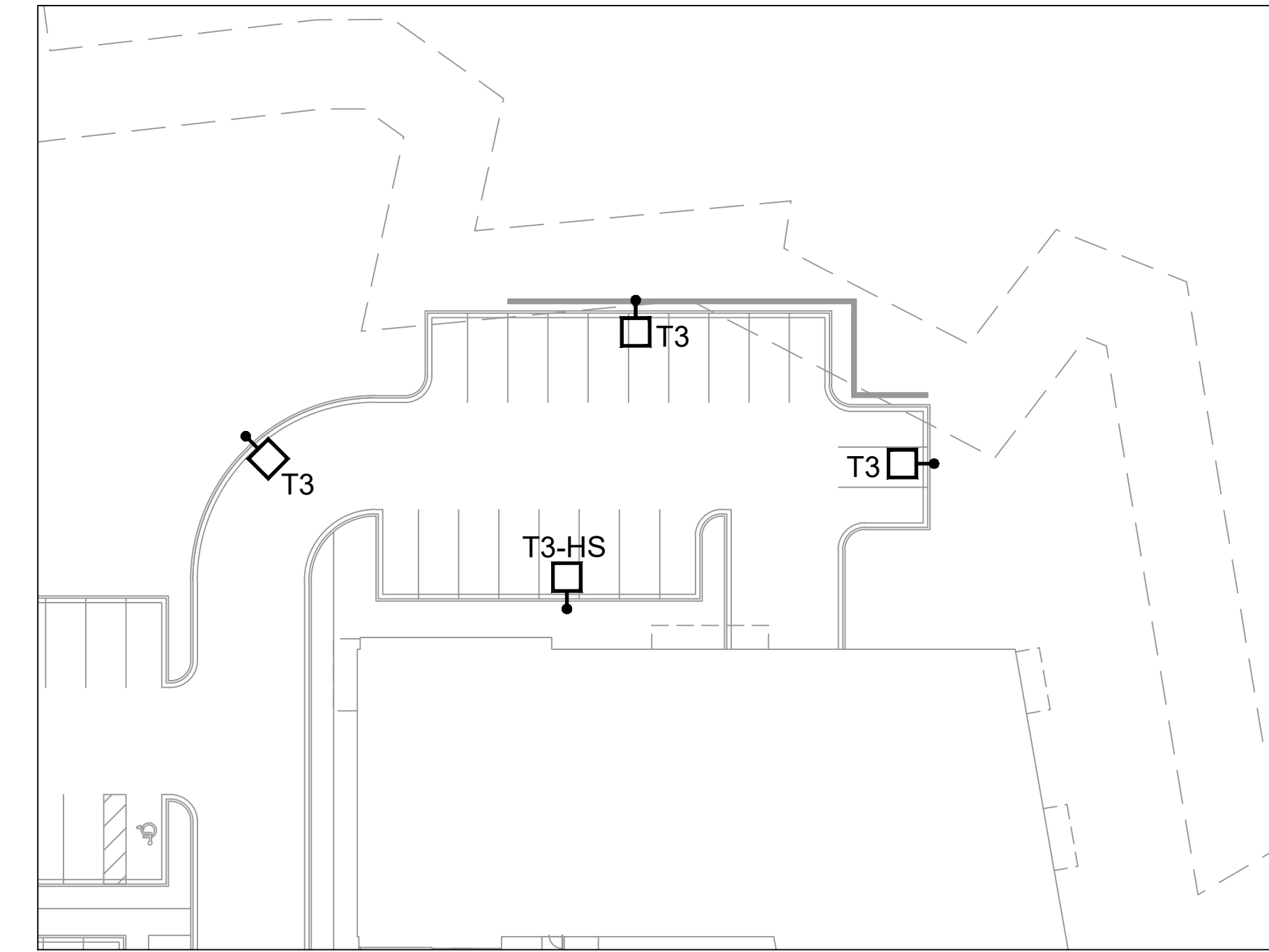
SCALE: 1" = 30'-0"
0 7.5 15 30 60 120

SHEET NOTES

1. THIS LIGHTING WAS DESIGNED TO MATCH DEVELOPMENT AESTHETIC WHILE BEING COMPLIMENTARY TO NEIGHBORING PROPERTIES.
2. THE LIGHTING DESIGN IS IN COMPLIANCE WITH THE CITY OF FRANKLIN ZONING ORDINANCE, SECTION 15-5.0401 (C) EXTERIOR LIGHTING STANDARDS : USE OF CUT-OFF LUMINAIRES WITH ANGLE LESS THAN 90-DEGREES. THE PROPERTY IS ZONED AS "PDD 37" CATEGORIZING THE ZONING AS "ALL OTHER DISTRICTS" WITHIN THE LIGHTING STANDARDS. THIS LIMITS THE PROPERTY LINE ILLUMINATION LEVEL TO 4fc AND A MAXIMUM LUMINAIRE HEIGHT OF 50'.

GENERAL NOTES

1. INSTALL PRIMARY ELECTRICAL CONDUIT , CONDUIT SHALL BE 3 FEET BELOW FINISHED GRADE. COORDINATE ROUTE OF CONDUIT WITH FINAL UTILITY LAYOUT.
2. COORDINATE WITH FINAL LANDSCAPING AND APPROVED UTILITY PLANS. DESIGN WILL BE COORDINATED WITH ENGINEERED SITE UTILITY AND LANDSCAPE PLANS.
3. LIGHTING CONTROL TO BE DETERMINED BY ELECTRICAL CONTRACTOR. CONTROL WILL BE VIA TIMECLOCK AT THE BUILDINGS OR PHOTOCELLS ON EACH POLE. FIXTURES TO BE CIRCUITED TOGETHER TO BUILDING ELECTRICAL ROOM. FINAL VOLTAGE YET TO BE DETERMINED.
4. DESIGN OF DRIVEWAYS AND PARKING IS INCLUDED IN THIS SUBMITTAL. DESIGN INTENT OF CENTER PLAZA AREAS TO BE DETAILED/COORDINATED WITH LANDSCAPE AT A LATER DATE, MATCHING THE AESTHETIC AND LIGHT LEVELS PRESENTED IN THIS SET.



SITE LIGHTING PLAN NORTHEAST CORNER

SCALE: 1" = 30'-0"
0 7.5 15 30 60 120

DESIGNED BY: **AMB**
DRAWN BY: **ALN**
CHECKED BY: **JRH**

LEEDY & PETZOLD ASSOCIATES, LLC
CONSULTING ELECTRICAL ENGINEERS/PLANNERS
11046 W. BLUEMOUND ROAD
WAUKESHA, WISCONSIN 53226
PH: (262) 865-1544

PROJECT DESCRIPTION:
CITY OF FRANKLIN REVIEW SET

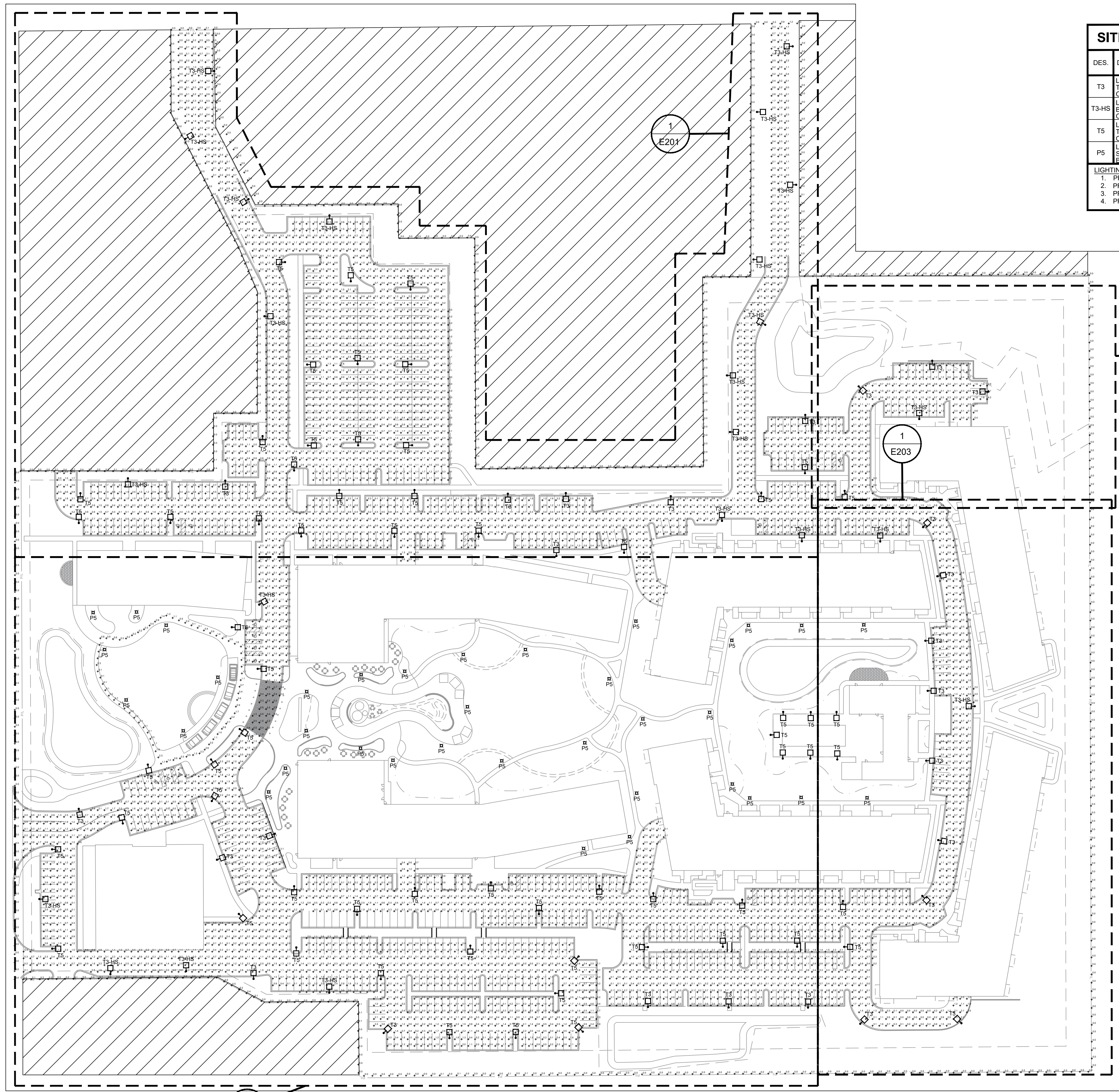
PROJECT LOCATION:
**POTH'S GENERAL APARTMENTS
WEST LOOMIS ROAD
FRANKLIN, MILWAUKEE COUNTY, WI 53132**

SHEET TITLE:
SITE LIGHTING PLAN SOUTHEAST CORNER

PROJECT NUMBER:
8685

DATE:
10/13/2023

SHEET NUMBER:
E103



SITE LIGHTING FIXTURE SCHEDULE								SURFACE		RECESS		SEE NOTE	
DES.	DESCRIPTION	LAMP DATA		VOLT	DEPTH	LIGHTING FIXTURE		CEILING	WALL	SPECIAL	CONCEAL		DRYWALL
		NO.	TYPE			MFR.	CAT. NO.						
T3	LED AREA POLE-MOUNT FIXTURE TYPE 3 DISTRIBUTION, BLACK ON 8' POLE, 12' TOTAL HEIGHT	1	48W LED 4000K	120/277V	--	LIGMAN LIGHTING	UFOR-20001-48W-T3-W40-01			●			1,2,3
T3-HS	LED AREA FIXTURE, TYPE 3 DIST. BLACK, HOUSE SIDE SHIELD ON 8' POLE, 12' TOTAL HEIGHT	1	48W LED 4000K	120/277V	--	LIGMAN LIGHTING	UFOR-20001-48W-T3-W40-01-HSS			●			1,2,3
T5	LED AREA POLE-MOUNT FIXTURE TYPE 5 DISTRIBUTION, BLACK ON 8' POLE, 12' TOTAL HEIGHT	1	48W LED 4000K	120/277V	--	LIGMAN LIGHTING	UFOR-20001-48W-T5-W40-01			●			1,2,3
P5	LED BOLLARD ON 6" BASE SYMMETRICAL DISTRIBUTION BLACK - 4' TOTAL HEIGHT	1	50W LED 4000K	120/277V	--	LIGMAN LIGHTING	UFOR-10031-50W-W40-01			●			2,3,4

LIGHTING FIXTURE NOTES:
 1. PROVIDE 2" TALL CONCRETE POLE BASE.
 2. PROVIDE PHOTOCELL ON FIXTURE OR BY TIMECLOCK IN BUILDING. DESIGN/BUILD CONTRACTOR TO FINALIZE CONTROLS.
 3. PROVIDE WITH 8" ROUND POLE, BLACK. SIZE BASED ON MANUFACTURER REQUIREMENTS FOR TENON SIZE.
 4. PROVIDE 6" TALL CONCRETE BOLLARD BASE.

PHOTOMETRIC STATISTICS					
DESCRIPTION	SYMBOL	AVG	MIN	MAX	AVE/MIN
PARKING	+	0.9 fc	0.0 fc	5.1 fc	9:1 fc
PROPERTY	+	0.0 fc	0.0 fc	1.2 fc	--

NOTE: THE HIGHER PROPERTY LINE VALUES ARE ADJACENT TO COMMERCIAL PROPERTIES. HOUSE-SIDE SHIELDS CAN BE ADDED TO REDUCE FURTHER. PROPERTY LINE LIGHT LEVELS ARE LOW ADJACENT TO RESIDENTIAL AREAS.

- SHEET NOTES**
- THIS LIGHTING WAS DESIGNED TO MATCH DEVELOPMENT AESTHETIC WHILE BEING COMPLIMENTARY TO NEIGHBORING PROPERTIES.
 - THE LIGHTING DESIGN IS IN COMPLIANCE WITH THE CITY OF FRANKLIN ZONING ORDINANCE, SECTION 15-5.0401 (C) EXTERIOR LIGHTING STANDARDS: USE OF CUT-OFF LUMINAIRES WITH ANGLE LESS THAN 90-DEGREES. THE PROPERTY IS ZONED AS "PDD 37" CATEGORIZING THE ZONING AS "ALL OTHER DISTRICTS" WITHIN THE LIGHTING STANDARDS. THIS LIMITS THE PROPERTY LINE ILLUMINATION LEVEL TO 4fc AND A MAXIMUM LUMINAIRE HEIGHT OF 50'.

- GENERAL NOTES**
- INSTALL PRIMARY ELECTRICAL CONDUIT, CONDUIT SHALL BE 3 FEET BELOW FINISHED GRADE. COORDINATE ROUTE OF CONDUIT WITH FINAL UTILITY LAYOUT.
 - COORDINATE WITH FINAL LANDSCAPING AND APPROVED UTILITY PLANS. DESIGN WILL BE COORDINATED WITH ENGINEERED SITE UTILITY AND LANDSCAPE PLANS.
 - LIGHTING CONTROL TO BE DETERMINED BY ELECTRICAL CONTRACTOR. CONTROL WILL BE VIA TIMECLOCK AT THE BUILDINGS OR PHOTOCELLS ON EACH POLE. FIXTURES TO BE CIRCUITED TOGETHER TO BUILDING ELECTRICAL ROOM. FINAL VOLTAGE YET TO BE DETERMINED.
 - DESIGN OF DRIVEWAYS AND PARKING IS INCLUDED IN THIS SUBMITTAL. DESIGN INTENT OF CENTER PLAZA AREAS TO BE DETAILED/COORDINATED WITH LANDSCAPE AT A LATER DATE, MATCHING THE AESTHETIC AND LIGHT LEVELS PRESENTED IN THIS SET.

NORTH

1
E200

OVERALL SITE PHOTOMETRIC PLAN

SCALE: 1" = 60'-0"

DESIGNED BY: **AMB**
 DRAWN BY: **ALN**
 CHECKED BY: **JRH**

LEEDY & PETZOLD ASSOCIATES, LLC
 CONSULTING ELECTRICAL ENGINEERS/PLANNERS
 11046 W. BLUEBONNET ROAD
 WAUKESHA, WISCONSIN 53186
 PH: (262) 865-1544

PROJECT DESCRIPTION:
CITY OF FRANKLIN REVIEW SET

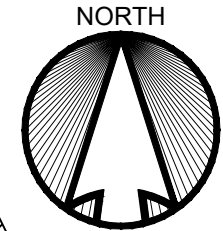
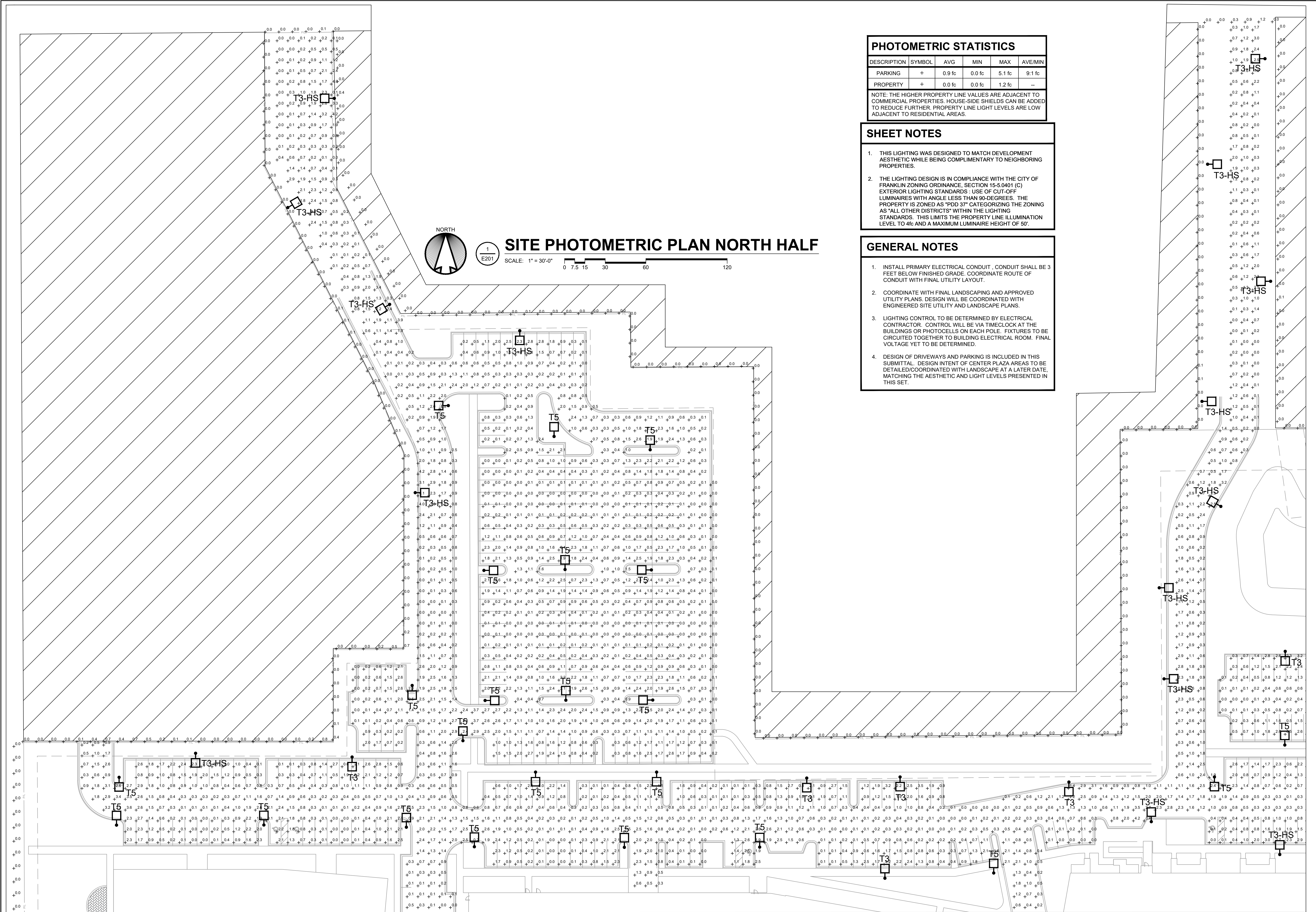
PROJECT LOCATION:
**POTHS GENERAL APARTMENTS
 WEST LOCUMIS ROAD
 FRANKLIN, MILWAUKEE COUNTY, WI 53132**

SHEET NUMBER:
E200

DATE:
10/13/2023

SHEET TITLE:
OVERALL SITE PHOTOMETRIC PLAN

PRELIMINARY DRAWING - NOT FOR CONSTRUCTION



SITE PHOTOMETRIC PLAN NORTH HALF

SCALE: 1" = 30'-0"
 0 7.5 15 30 60 120

PHOTOMETRIC STATISTICS					
DESCRIPTION	SYMBOL	AVG	MIN	MAX	AVE/MIN
PARKING	+	0.9 fc	0.0 fc	5.1 fc	9:1 fc
PROPERTY	+	0.0 fc	0.0 fc	1.2 fc	--

NOTE: THE HIGHER PROPERTY LINE VALUES ARE ADJACENT TO COMMERCIAL PROPERTIES. HOUSE-SIDE SHIELDS CAN BE ADDED TO REDUCE FURTHER. PROPERTY LINE LIGHT LEVELS ARE LOW ADJACENT TO RESIDENTIAL AREAS.

SHEET NOTES

- THIS LIGHTING WAS DESIGNED TO MATCH DEVELOPMENT AESTHETIC WHILE BEING COMPLIMENTARY TO NEIGHBORING PROPERTIES.
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GENERAL NOTES

- INSTALL PRIMARY ELECTRICAL CONDUIT. CONDUIT SHALL BE 3 FEET BELOW FINISHED GRADE. COORDINATE ROUTE OF CONDUIT WITH FINAL UTILITY LAYOUT.
- COORDINATE WITH FINAL LANDSCAPING AND APPROVED UTILITY PLANS. DESIGN WILL BE COORDINATED WITH ENGINEERED SITE UTILITY AND LANDSCAPE PLANS.
- LIGHTING CONTROL TO BE DETERMINED BY ELECTRICAL CONTRACTOR. CONTROL WILL BE VIA TIMECLOCK AT THE BUILDINGS OR PHOTOCELLS ON EACH POLE. FIXTURES TO BE CIRCUITED TOGETHER TO BUILDING ELECTRICAL ROOM. FINAL VOLTAGE YET TO BE DETERMINED.
- DESIGN OF DRIVEWAYS AND PARKING IS INCLUDED IN THIS SUBMITTAL. DESIGN INTENT OF CENTER PLAZA AREAS TO BE DETAILED/COORDINATED WITH LANDSCAPE AT A LATER DATE, MATCHING THE AESTHETIC AND LIGHT LEVELS PRESENTED IN THIS SET.

DESIGNED BY: **AMB**
 DRAWN BY: **ALN**
 CHECKED BY: **JRH**

LEEDY & PETZOLD ASSOCIATES, LLC
 CONSULTING ELECTRICAL ENGINEERS/PLANNERS
 11046 W. BLUEBOND ROAD
 WAUKESHA, WISCONSIN 53226
 PH: (262) 865-1544

PROJECT DESCRIPTION: **CITY OF FRANKLIN REVIEW SET**

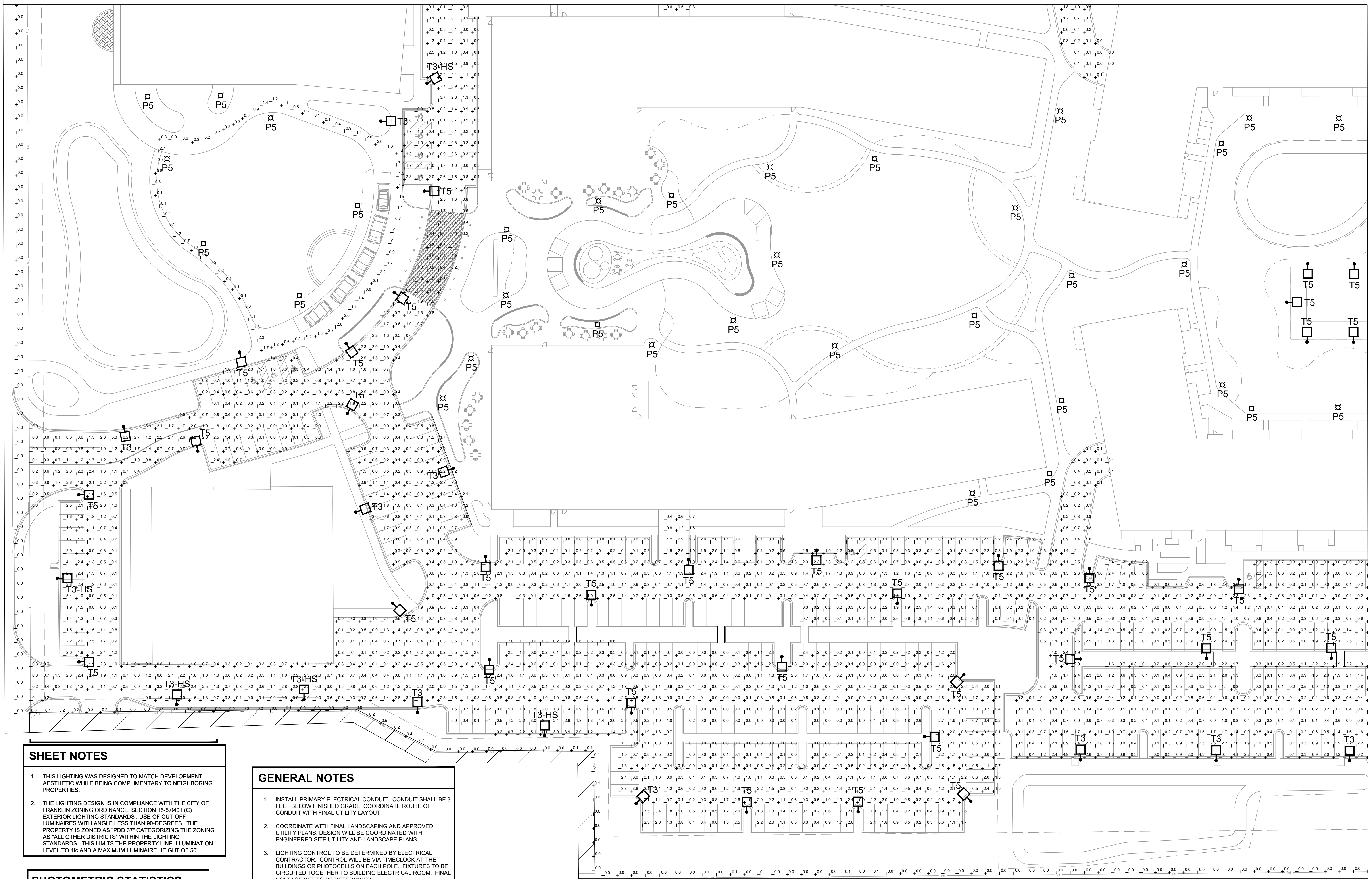
PROJECT LOCATION: **POTH'S GENERAL APARTMENTS
 WEST LOCUMIS ROAD
 FRANKLIN, MILWAUKEE COUNTY, WI 53132**

SHEET TITLE: **SITE PHOTOMETRIC PLAN NORTH HALF**

PROJECT NUMBER: **8685**
 DATE: **10/13/2023**

SHEET NUMBER: **E201**

PRELIMINARY DRAWING - NOT FOR CONSTRUCTION



SHEET NOTES

1. THIS LIGHTING WAS DESIGNED TO MATCH DEVELOPMENT AESTHETIC WHILE BEING COMPLIMENTARY TO NEIGHBORING PROPERTIES.
2. THE LIGHTING DESIGN IS IN COMPLIANCE WITH THE CITY OF FRANKLIN ZONING ORDINANCE, SECTION 15-5.0401 (C) EXTERIOR LIGHTING STANDARDS : USE OF CUT-OFF LUMINAIRES WITH ANGLE LESS THAN 90-DEGREES. THE PROPERTY IS ZONED AS "POD 37" CATEGORIZING THE ZONING AS "ALL OTHER DISTRICTS" WITHIN THE LIGHTING STANDARDS. THIS LIMITS THE PROPERTY LINE ILLUMINATION LEVEL TO 4fc AND A MAXIMUM LUMINAIRE HEIGHT OF 50'.

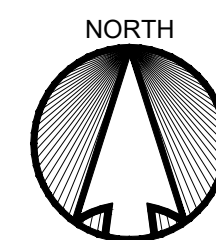
GENERAL NOTES

1. INSTALL PRIMARY ELECTRICAL CONDUIT , CONDUIT SHALL BE 3 FEET BELOW FINISHED GRADE. COORDINATE ROUTE OF CONDUIT WITH FINAL UTILITY LAYOUT.
2. COORDINATE WITH FINAL LANDSCAPING AND APPROVED UTILITY PLANS. DESIGN WILL BE COORDINATED WITH ENGINEERED SITE UTILITY AND LANDSCAPE PLANS.
3. LIGHTING CONTROL TO BE DETERMINED BY ELECTRICAL CONTRACTOR. CONTROL WILL BE VIA TIMECLOCK AT THE BUILDINGS OR PHOTOCELLS ON EACH POLE. FIXTURES TO BE CIRCUITED TOGETHER TO BUILDING ELECTRICAL ROOM. FINAL VOLTAGE YET TO BE DETERMINED.
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PHOTOMETRIC STATISTICS

DESCRIPTION	SYMBOL	AVG	MIN	MAX	AVE/MI
PARKING	+	0.9 fc	0.0 fc	5.1 fc	9:1 fc
PROPERTY	+	0.0 fc	0.0 fc	1.2 fc	--

NOTE: THE HIGHER PROPERTY LINE VALUES ARE ADJACENT TO COMMERCIAL PROPERTIES. HOUSE-SIDE SHIELDS CAN BE ADDED TO REDUCE FURTHER. PROPERTY LINE LIGHT LEVELS ARE LOW ADJACENT TO RESIDENTIAL AREAS.



SITE PHOTOMETRIC PLAN SOUTHWEST CORNER

SCALE: 1" = 30'-0"

PRELIMINARY DRAWING - NOT FOR CONSTRUCTION

DESIGNED BY
AMB
DRAWN BY
ALN
CHECKED BY
JRH

LEEDY & PETZOLD ASSOCIATES, LLC
CONSULTING ELECTRICAL ENGINEERS/PLANNERS
11046 W. BLUEBOND ROAD
WAUKATUSA, WISCONSIN 53226
PH: (262) 865-1544

PROJECT DESCRIPTION
CITY OF FRANKLIN REVIEW SET

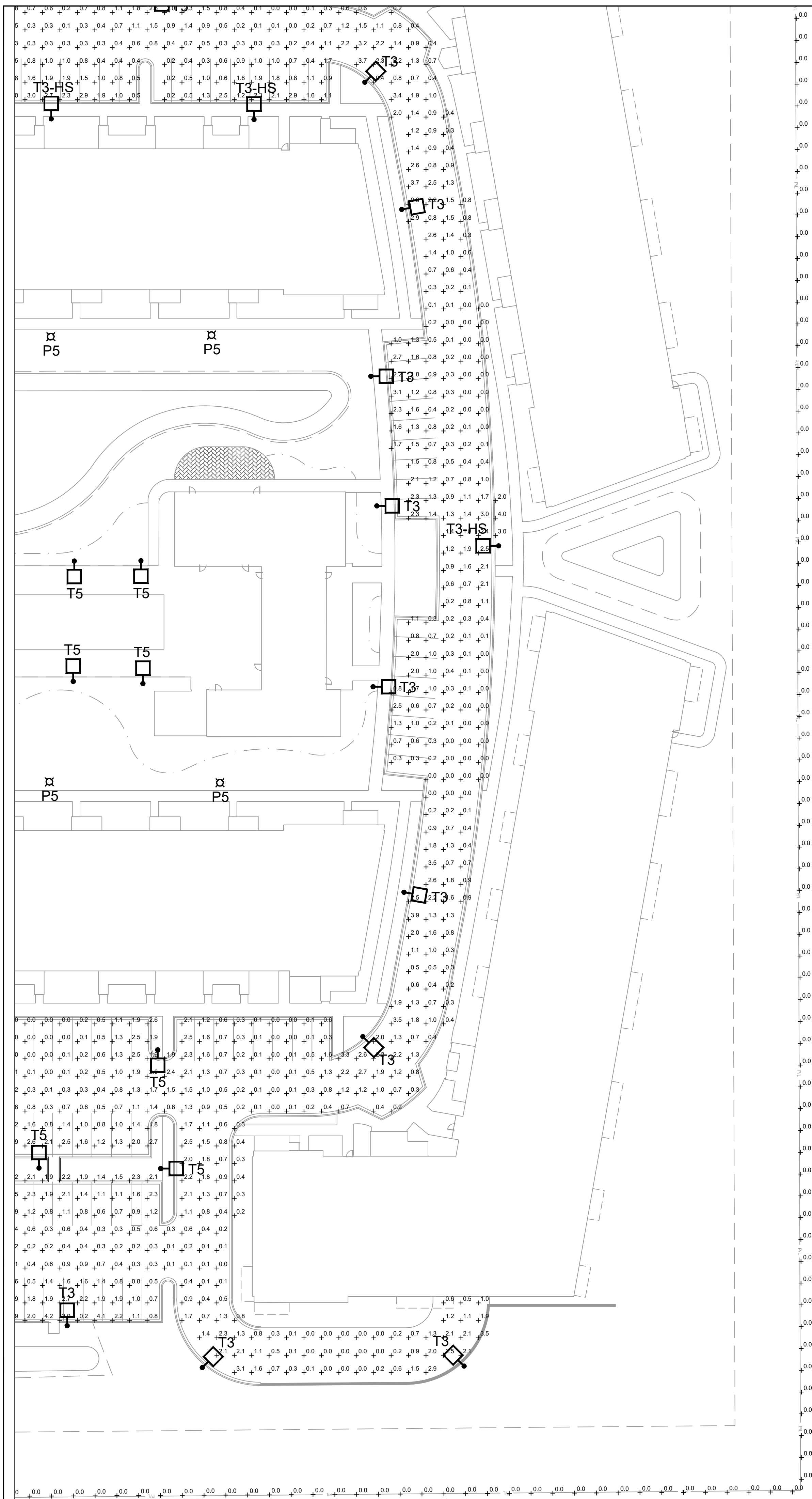
PROJECT LOCATION
POTHS GENERAL APARTMENTS
WEST LOUIS ROAD
FRANKLIN, MILWAUKEE COUNTY, WI 53132

SHEET TITLE
SITE PHOTOMETRIC PLAN SOUTHWEST CORNER

PROJECT NUMBER
8665

DATE
10/13/2023

SHEET NUMBER
E202

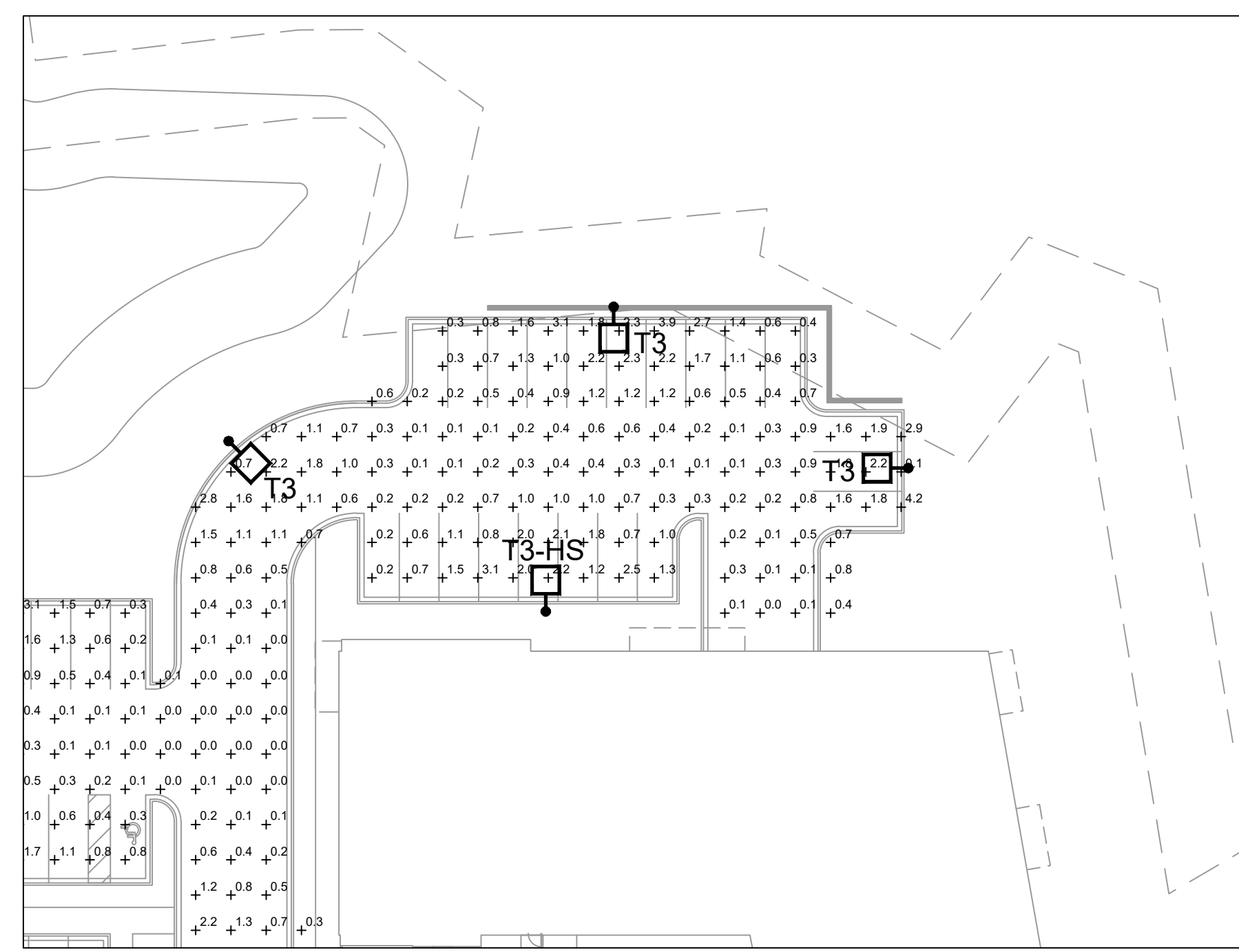


PHOTOMETRIC STATISTICS					
DESCRIPTION	SYMBOL	AVG	MIN	MAX	AVE/MIN
PARKING	+	0.9 fc	0.0 fc	5.1 fc	9:1 fc
PROPERTY	+	0.0 fc	0.0 fc	1.2 fc	--

NOTE: THE HIGHER PROPERTY LINE VALUES ARE ADJACENT TO COMMERCIAL PROPERTIES. HOUSE-SIDE SHIELDS CAN BE ADDED TO REDUCE FURTHER. PROPERTY LINE LIGHT LEVELS ARE LOW ADJACENT TO RESIDENTIAL AREAS.

- SHEET NOTES**
- THIS LIGHTING WAS DESIGNED TO MATCH DEVELOPMENT AESTHETIC WHILE BEING COMPLIMENTARY TO NEIGHBORING PROPERTIES.
 - THE LIGHTING DESIGN IS IN COMPLIANCE WITH THE CITY OF FRANKLIN ZONING ORDINANCE, SECTION 15-5.0401 (C) EXTERIOR LIGHTING STANDARDS : USE OF CUT-OFF LUMINAIRES WITH ANGLE LESS THAN 90-DEGREES. THE PROPERTY IS ZONED AS "PDD 37" CATEGORIZING THE ZONING AS "ALL OTHER DISTRICTS" WITHIN THE LIGHTING STANDARDS. THIS LIMITS THE PROPERTY LINE ILLUMINATION LEVEL TO 4fc AND A MAXIMUM LUMINAIRE HEIGHT OF 50'.

- GENERAL NOTES**
- INSTALL PRIMARY ELECTRICAL CONDUIT . CONDUIT SHALL BE 3 FEET BELOW FINISHED GRADE. COORDINATE ROUTE OF CONDUIT WITH FINAL UTILITY LAYOUT.
 - COORDINATE WITH FINAL LANDSCAPING AND APPROVED UTILITY PLANS. DESIGN WILL BE COORDINATED WITH ENGINEERED SITE UTILITY AND LANDSCAPE PLANS.
 - LIGHTING CONTROL TO BE DETERMINED BY ELECTRICAL CONTRACTOR. CONTROL WILL BE VIA TIMECLOCK AT THE BUILDINGS OR PHOTOCELLS ON EACH POLE. FIXTURES TO BE CIRCUITED TOGETHER TO BUILDING ELECTRICAL ROOM. FINAL VOLTAGE YET TO BE DETERMINED.
 - DESIGN OF DRIVEWAYS AND PARKING IS INCLUDED IN THIS SUBMITTAL. DESIGN INTENT OF CENTER PLAZA AREAS TO BE DETAILED/COORDINATED WITH LANDSCAPE AT A LATER DATE, MATCHING THE AESTHETIC AND LIGHT LEVELS PRESENTED IN THIS SET.



**SITE PHOTOMETRIC PLAN
NORTHEAST CORNER**

NORTH

2
E203

SCALE: 1" = 30'-0"

0 7.5 15 30 60 120

SITE PHOTOMETRIC PLAN SOUTHEAST CORNER

NORTH

1
E203

SCALE: 1" = 30'-0"

0 7.5 15 30 60 120

PRELIMINARY DRAWING - NOT FOR CONSTRUCTION

DESIGNED BY: **AMB**
DRAWN BY: **ALN**
CHECKED BY: **JRH**

LEEDY & PETZOLD ASSOCIATES, LLC
CONSULTING ELECTRICAL ENGINEERS/PLANNERS
11046 W. BLUEBOND ROAD
WAUKATUSA, WISCONSIN 53226
PH: (262) 865-1544

PROJECT DESCRIPTION: **CITY OF FRANKLIN REVIEW SET**

PROJECT LOCATION: **POTHS GENERAL APARTMENTS
WEST LOCOMIS ROAD
FRANKLIN, MILWAUKEE COUNTY, WI 53132**

SHEET TITLE: **SITE PHOTOMETRIC PLAN SOUTHEAST CORNER**

PROJECT NUMBER: **8665**
DATE: **10/13/2023**

SHEET NUMBER: **E203**

UFOR-10031
Forrey 1 Bollard Opal Lens



Construction
Aluminum.
Less than 0.1% copper content - Marine Grade 6062 extruded & LM6 Aluminum High Pressure die casting provides excellent mechanical strength, clean detailed product lines and excellent heat dissipation.
Pre-paint
8 step phosphate and phosphate process that includes descaling and etching as well as a zinc and nickel phosphate process before product painting.
Memory Retentive - Silicon Gasket
Provided with special injection molded "M for purpose" long life high temperature memory retentive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression.
Thermal management
LM6 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermal below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.
Surge Suppression
Standard 15kv surge suppressor provided with all fixtures.
ULC Rating
B1 - UL - G3
Finish
All Ligman products go through an extensive finishing process

High efficiency meets the classic form factor. Complete range of decorative lighting solutions, offering multiple beam distributions and superior efficacies.
A decorative range of bollard luminaires, designed to complement the Forrey pendant, post top and wall mount with options of having no lens or a high impact UV stabilized opal lens. This decorative lantern provides a symmetrical light distribution using high output COB LED.
Color temperature 2700K, 3000K, 3500K and 4000K, LED CRI >80 and life time 50,000 Hours. High pressure die-cast marine grade LM6 aluminum body that is pre-treated with a nickel and zinc phosphate and then powder coated with a 4.9mil thick paint finish ensuring high corrosion resistance. Marine grade 316 stainless steel fasteners.
For No Lens or Clear Lens, see UFOR-10011
Security Bollard:

50w LED - 4340 Lumens
IP65 - Suitable For Wet Locations
IK08 - Impact Resistant (Vandal Resistant)
Weight 26.4 lbs

UFOR-10031
Forrey 1 Bollard Opal Lens



PROJECT		DATE	
QUANTITY		TYPE	
		NOTE	

ORDERING EXAMPLE || UFOR - 10031 - 50w - W30 - 02 - 120/277v - Options

UFOR-10031	LAMP	LED COLOR	FINISH COLOR	VOLTAGE
50w LED 4340 Lumens	W27 - 2700K W30 - 3000K W35 - 3500K W40 - 4000K	01 - BLACK RAL 9011 02 - DARK GREY RAL 7043 03 - WHITE RAL 9003 04 - METALLIC SILVER RAL 9006 05 - MATTE SILVER RAL 9006 06 - LIGMAN BRONZE 07 - CUSTOM RAL	120/277v Other - Specify	

ADDITIONAL OPTIONS

DIM - 0-10v Dimming	A91591 - Lockable In Use CFCL Receptacle Outlet Box
NAT - Natatorium Rated	A12891 - Security Bollard
HGT - Custom Bollard Height	SBK4 - K4 Rated Security Bollard

INSPIRED BY NATURE FINISHES

SW01 - OAK FINISH	SW02 - WALNUT FINISH	SW03 - PINE FINISH
DF - DOUGLAS FIR FINISH	CW - CHERRY WOOD FINISH	NW - NATIONAL WALNUT FINISH
SU01 - CONCRETE FINISH	SU02 - SOFTSCAPE FINISH	SU03 - STONE FINISH
SU04 - CORTEN FINISH		

THIS IS AN ADDITIONAL COST FOR THESE FINISHES



More Custom Finishes Available Upon Request
Consult factory for pricing and lead times

Oak	Cherry	Beech	Carbon
Walnut	Chestnut	Bamboo	Galvanized
Pine	Mahogany	Birch	Steel



1
E300
FIXTURE P5 CUTSHEET
NO SCALE

UFOR-20001
Forrey 9 Post Top No Lens



48w COB
4813 Lumens
IP65
IK08
EPA - 1.86
Weight - 46.3 lbs
POLE NOT INCLUDED

Construction
Aluminum.
Less than 0.1% copper content - Marine Grade 6062 extruded & LM6 Aluminum High Pressure die casting provides excellent mechanical strength, clean detailed product lines and excellent heat dissipation.
Pre-paint
8 step phosphate and phosphate process that includes descaling and etching as well as a zinc and nickel phosphate process before product painting.
Memory Retentive - Silicon Gasket
Provided with special injection molded "M for purpose" long life high temperature memory retentive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression.
Thermal management
LM6 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermal below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.
Surge Suppression
Standard 15kv surge suppressor provided with all fixtures.
ULC Rating
B1 - UL - G3
Finish
All Ligman products go through an extensive finishing process

High efficiency meets the classic form factor. Complete range of decorative lighting solutions, offering multiple beam distributions and superior efficacies.
A decorative range of post top luminaires, designed to complement the Forrey pendant, bollard and wall mount with options of having no lens or a high impact UV stabilized opal lens. This decorative lantern provides a symmetrical light distribution using high output COB LED.
Color temperature 2700K, 3000K, 3500K and 4000K, LED CRI >80 and life time 50,000 Hours. High pressure die-cast marine grade LM6 aluminum body that is pre-treated with a nickel and zinc phosphate and then powder coated with a 4.9mil thick paint finish ensuring high corrosion resistance. Marine grade 316 stainless steel fasteners.
Durable memory retentive silicone rubber gasket and

UFOR-20001
Forrey 9 Post Top No Lens



PROJECT		DATE	
QUANTITY		TYPE	
		NOTE	

ORDERING EXAMPLE || UFOR - 20001 - 48w - T2 - W30 - 02 - 120/277v - Options

UFOR-20001	LAMP	BEAM	LED COLOR	FINISH COLOR	VOLTAGE
48w COB 4813 Lumens	T2 - Type II Distribution T3 - Type III Distribution T4 - Type IV Distribution T5 - Type V Distribution	W27 - 2700K W30 - 3000K W35 - 3500K W40 - 4000K	01 - BLACK RAL 9011 02 - DARK GREY RAL 7043 03 - WHITE RAL 9003 04 - METALLIC SILVER RAL 9006 05 - MATTE SILVER RAL 9006 06 - LIGMAN BRONZE 07 - CUSTOM RAL	120/277v Other - Specify	

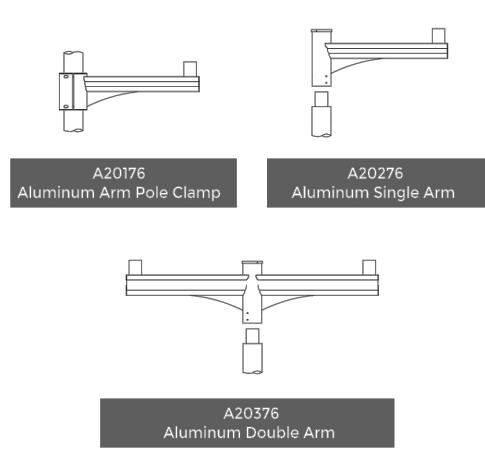
ADDITIONAL OPTIONS

DIM - 0-10v Dimming	NAT - Natatorium Rated	C - Clear Lens	HSS - House Side Shield	PHSS - Perforated House Side Shield
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INSPIRED BY NATURE FINISHES

SW01 - OAK FINISH	SW02 - WALNUT FINISH	SW03 - PINE FINISH
DF - DOUGLAS FIR FINISH	CW - CHERRY WOOD FINISH	NW - NATIONAL WALNUT FINISH
SU01 - CONCRETE FINISH	SU02 - SOFTSCAPE FINISH	SU03 - STONE FINISH
SU04 - CORTEN FINISH		

THIS IS AN ADDITIONAL COST FOR THESE FINISHES

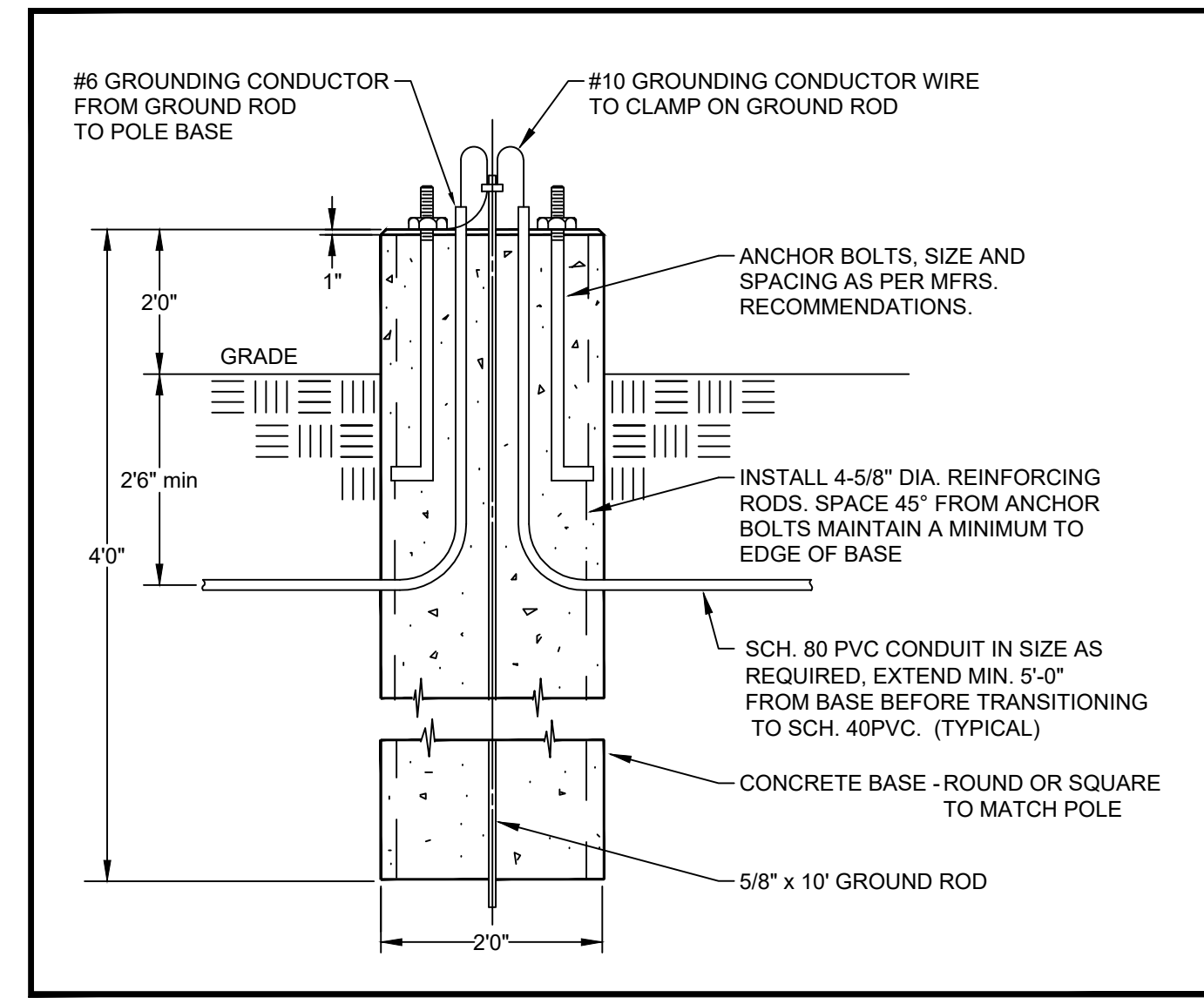


More Custom Finishes Available Upon Request
Consult factory for pricing and lead times

Oak	Cherry	Beech	Carbon
Walnut	Chestnut	Bamboo	Galvanized
Pine	Mahogany	Birch	Steel



2
E300
FIXTURE T3, T3-HS, T5 CUTSHEET
NO SCALE



3
E300
POLE BASE DETAIL
NO SCALE

DESIGNED BY: AMB
DRAWN BY: ALN
CHECKED BY: JRH
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E300