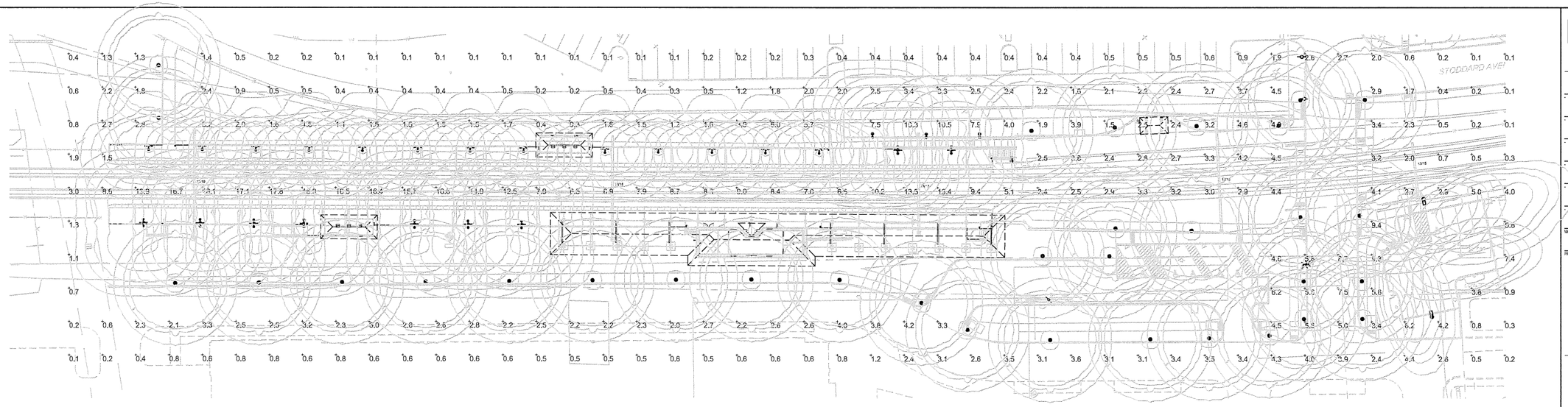
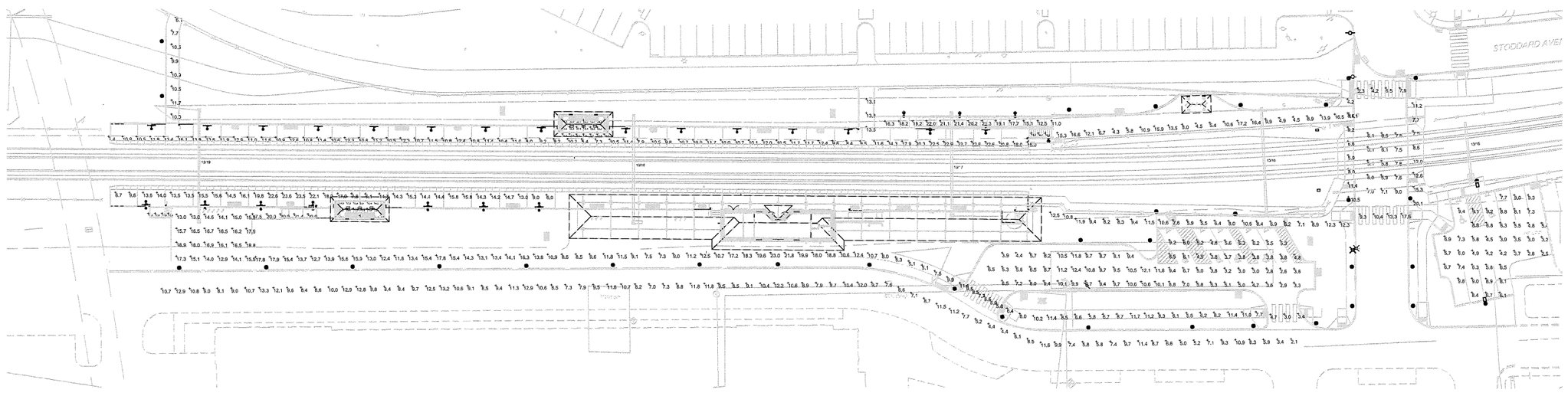
EXHIBIT A-17



1 E400 **SITE PHOTOMETRIC PLAN**
SCALE: 1/32" = 1'
FILE: REF: –



1 E400 **INDIVIDUAL PHOTOMETRIC STATISTICS PLAN**
SCALE: 1/32" = 1'
FILE: REF: –

IB Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
IB Parking	+	6.4 fc	9.8 fc	2.5 fc	3.9:1	2.6:1
IB ADA Ramp North	+	19.9 fc	21.0 fc	17.6 fc	1.2:1	1.1:1
IB ADA Ramp South	+	24.3 fc	33.4 fc	11.9 fc	2.8:1	2.0:1
IB Bus Loop	+	6.9 fc	12.4 fc	2.6 fc	4.8:1	2.7:1
IB Bus Loop Pedestrian Crossing North	+	7.2 fc	9.2 fc	5.7 fc	1.6:1	1.3:1
IB Bus Loop Pedestrian Crossing South	+	3.6 fc	4.7 fc	3.0 fc	1.6:1	1.2:1
IB Platform	+	15.4 fc	23.6 fc	6.1 fc	3.9:1	2.5:1
IB Shelter	+	22.6 fc	26.8 fc	18.2 fc	1.5:1	1.2:1
IB Sidewalk Canopy North	+	23.9 fc	30.5 fc	19.1 fc	1.6:1	1.3:1
IB Sidewalk Canopy South	+	19.3 fc	32.6 fc	6.8 fc	4.8:1	2.8:1
IB Sidewalk Middle	+	13.1 fc	22.8 fc	5.2 fc	4.4:1	2.5:1
IB Sidewalk North	+	15.8 fc	18.6 fc	12.9 fc	1.4:1	1.2:1
IB Sidewalk South East	+	8.4 fc	11.5 fc	5.5 fc	2.1:1	1.5:1
IB Sidewalk South West	+	9.0 fc	12.3 fc	5.5 fc	2.2:1	1.6:1
IB Stairs Middle	+	22.4 fc	24.3 fc	20.6 fc	1.2:1	1.1:1
IB Stairs North	+	12.5 fc	13.4 fc	11.8 fc	1.1:1	1.1:1
IB Stairs South	+	29.4 fc	34.5 fc	19.4 fc	1.8:1	1.5:1

OB Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
OB ADA Ramp South	+	18.0 fc	21.9 fc	10.9 fc	2.0:1	1.7:1
OB Platform	+	12.7 fc	23.7 fc	7.4 fc	3.2:1	1.7:1
OB Shelter	+	21.7 fc	26.3 fc	17.0 fc	1.5:1	1.3:1
OB Sidewalk Middle	+	13.7 fc	14.0 fc	13.3 fc	1.1:1	1.0:1
OB Sidewalk North	+	9.6 fc	11.7 fc	6.1 fc	1.9:1	1.6:1
OB Sidewalk South	+	10.6 fc	16.8 fc	4.4 fc	3.8:1	2.4:1
OB Stairs South	+	16.6 fc	18.2 fc	15.6 fc	1.2:1	1.1:1
Oak Grade Crossing Pedestrian North	+	8.1 fc	11.2 fc	4.3 fc	2.6:1	1.9:1
Oak Grade Crossing Pedestrian South	+	11.6 fc	19.4 fc	7.1 fc	2.7:1	1.6:1
Oak Grade Crossing Roadway	+	6.6 fc	8.8 fc	5.0 fc	1.8:1	1.3:1
Oak Pedestrian Crossing East	+	12.6 fc	17.6 fc	9.1 fc	1.9:1	1.4:1
Oak Pedestrian Crossing West	+	5.2 fc	7.9 fc	2.3 fc	3.4:1	2.3:1
Washington Street Expansion	+	9.1 fc	13.3 fc	2.1 fc	6.3:1	4.3:1

Site Statistics						
Site Wide	+	3.4 fc	17.8 fc	0.1 fc	178.0:1	34.0:1

SOUTHEASTERN PENNSYLVANIA TRANSPORTATION AUTHORITY
E&C DIVISION
1234 MARKET ST, 13TH FL.
PHILADELPHIA, PA 19107

MANAGER - POWER ENGINEERING

PROJECT MANAGER

REV	DATE	DESCRIPTION	BY	CK'D	AP'D

CONSHOHOCKEN STATION
NORRISTOWN / MANAYUNK LINE
STATION CONSTRUCTION

ELECTRICAL
LIGHTING PHOTOMETRIC PLAN

SCALE: AS NOTED
SCALE FACTOR: 1:1
DATE: 07/03/2020
DRAWN BY: CTRB
CHECKED BY: ES
WORK ORDER NO.: 1BF-1006
DRAWING NUMBER: **E400**
DWG. NO.: E400 OF E400
SHT. NO.: 83 OF 92
COMPUTER FILE NO.: 14DK-E400
REV. NO.: 0

DATE PRINTED: 10/15/2020 3:16:57 PM

SUBMISSION SET

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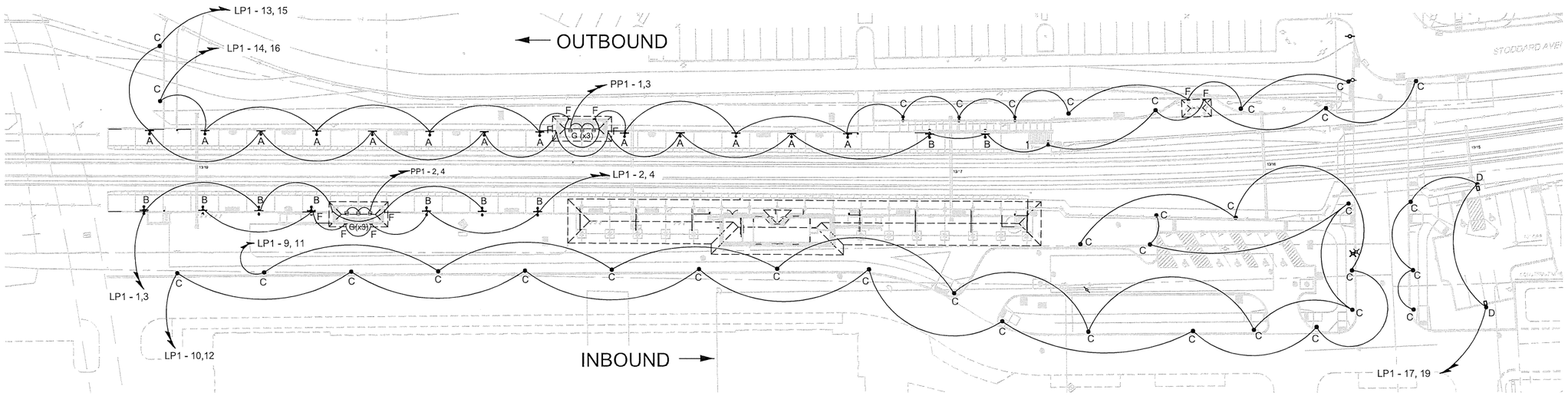
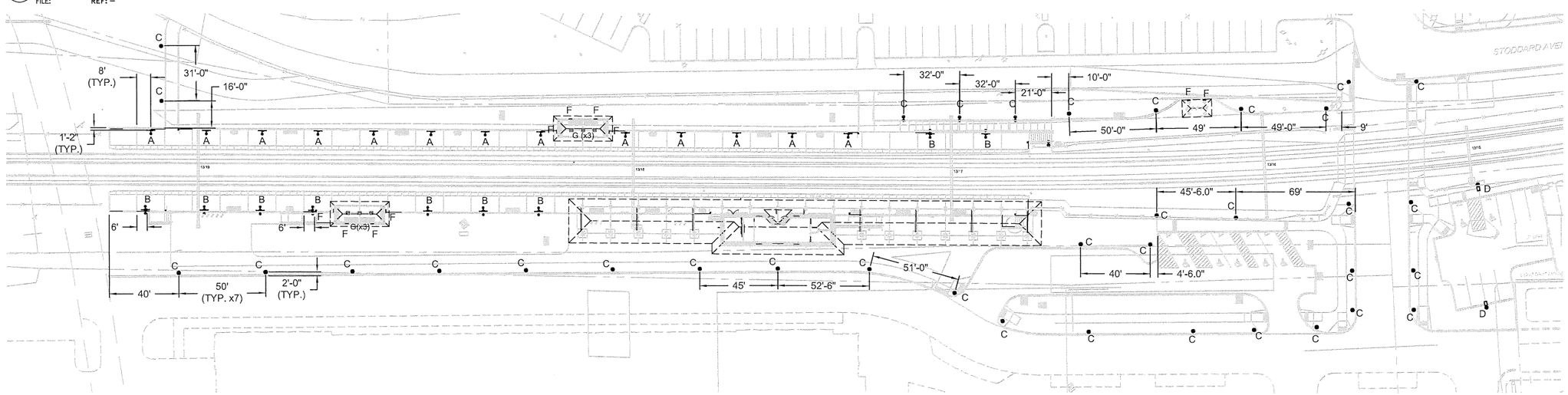


1 EXTERIOR LIGHTING AND POWER PLAN

E300 SCALE: 1/32" = 1'
FILE: REF: –



2 EXTERIOR LIGHTING FIXTURES PLACEMENT PLAN

E300 SCALE: 1/32" = 1'
FILE: REF: –

Schedule

Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
	A@15'	13	Holophane	GELF2 P60 40K XXXX L3	GlasWerks LED Bern - Flat Glass, LED Package 60, 4000K, Type 3 distribution On Platform	LED	1	GELF2_P60_40K_XX_X_X_L3.ies	12154	0.9	145
	B@15'	9	Holophane	GELF2 P60 40K XXXX L3	GlasWerks LED Bern - Flat Glass, LED Package 60, 4000K, Type 3 distribution On Platformn	LED	2	GELF2_P60_40K_XX_X_X_L3.ies	12154	0.9	290
	C@12'	37	Holophane	GPD2 P50 40K AS 5N	Granville Premier II LED, LED Package 50, 100W, 4000K, 120-277V, Type 5 Distribution with 0'-6" Concrete Foundation	LED	1	GPD2_P50_40K_AS_5N.ies	10851	0.9	100
	D@23'	2	Holophane	MGLEDM P1 40K XXXXX MG	Mongoose Medium, P1 Performance Package, 4000K, Medium Roadway with Refractor with 3'-0" Concrete Foundation	LED	1	MGLEDM_P1_40K_XXXXX_MG.ies	15496	0.9	104.9
	F@7'-6"	10	Holophane	HLWPC2 P20 40K XX T3M	Wallpack Full Cutoff LED, LED Performance Package P10, 4000 series CCT, Voltage, Type III Medium	LED	1	HLWPC2_P20_40K_XX_T3M.ies	5510	0.9	47
	G	6	fostoria	222-30-THSS-240V	Overhead Infrared Heater 2-lamp MTM Series, (13.2 Amps)	Infrared	2	222-30-THSS-240V	N/A	N/A	3200 Watts

NOTES:

1 LUMINAIRES "C" MOUNTING HEIGHTS INCLUDE 0'-6" HIGH CONCRETE FOUNDATION AND ARE TO BE MEASURED FROM GRADE WHERE POLE IS PLACED, (SEE DETAIL E100-3).
2 LUMINAIRES "D" MOUNTING HEIGHTS INCLUDE 2'-6" HIGH CONCRETE FOUNDATION AND ARE TO BE MEASURED FROM GRADE WHERE POLE IS PLACED, (SEE DETAIL E100-3).

SOUTHEASTERN PENNSYLVANIA TRANSPORTATION AUTHORITY
EM&C DIVISION
1234 MARKET ST, 13TH FL.
PHILADELPHIA, PA 19107

MANAGER - POWER ENGINEERING

PROJECT MANAGER

REV	DATE	DESCRIPTION	BY	CKD	APD

C:\USERS\AALN\DOWNLOADS\14DK-E100 - E400_CONSHOHOCKEN_PWR & LGHT PLAN_100%_SUB SET_2020-07-03.DWG

CONSHOHOCKEN STATION
NORRISTOWN / MANAYUNK LINE
STATION CONSTRUCTION

ELECTRICAL
LIGHTING, POWER PLAN

DATE PRINTED: 10/15/2020 3:15:40 PM

SCALE: AS NOTED
SCALE FACTOR: 1:1
DATE: 07/03/2020
DRAWN BY: CTRM
CHECKED BY: ES
WORK ORDER NO.: 1BF-1006
DRAWING NUMBER: **E300**
DWG. NO.: E300 OF E300
SHT. NO.: 82 OF 92
COMPUTER FILE NO.: 14DK-E300
REV. NO.: 0

SUBMISSION SET