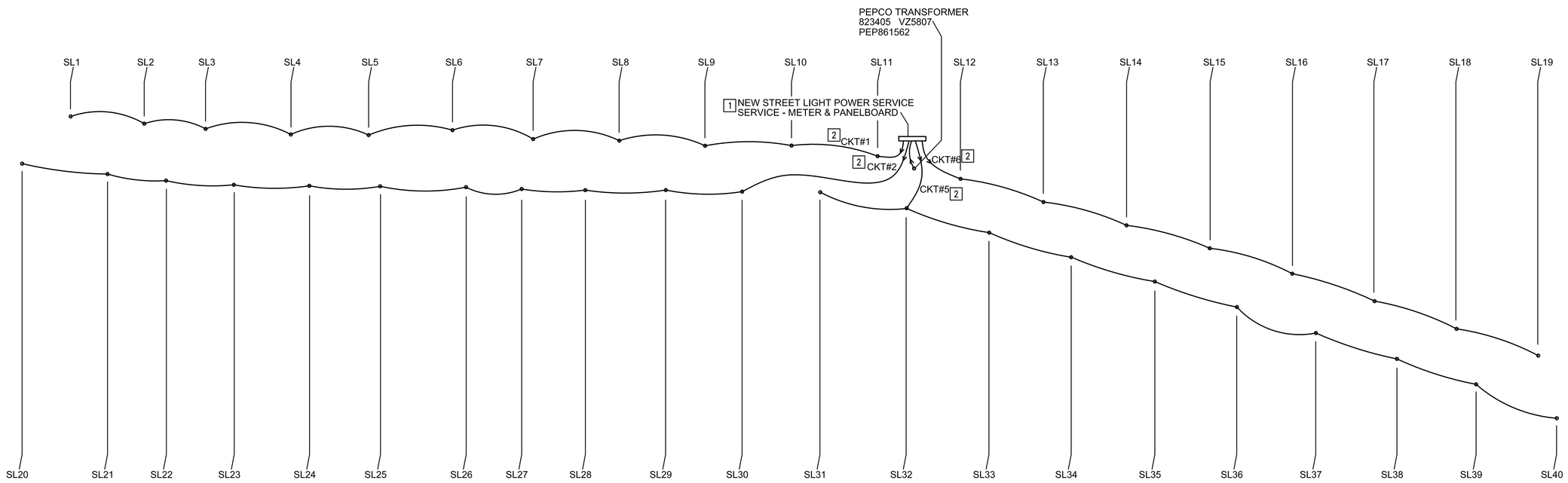


NEW POLE LIGHTING ELECTRICAL CIRCUIT DIAGRAM 3

SCALE: NOT TO SCALE

DRAWING NOTES

CONTRACTOR SHALL COORDINATE ALL WORK WITH MR. PURNELL HALL [PHALL@BLADENSBURGMD.GOV] AND PEPCO. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH PRINCE GEORGES' COUNTY AND THE CITY OF BLADENSBURG, MARYLAND PERMIT JURISDICTIONS. CONTACT MISS UTILITY PRIOR TO COMMENCING UNDERGOUND WORK.

ALL WORK MUST COMPLY WITH THE JURISDICTION ENFORCED EDITION OF THE NATIONAL ELECTRICAL CODE, NFPA 70.

1. REFER TO ONE-LINE DIAGRAM ON SHEET E-1 FOR NEW SERVICE ELECTRICAL REQUIREMENTS.
2. REFER TO PANEL SCHEDULE THIS SHEET FOR NEW LIGHTING CIRCUITRY REQUIREMENTS.
3. REFER TO SITE PLAN ON SHEET E-1 FOR NEW LIGHT FIXTURE LOCATIONS.

NEW PANELBOARD SCHEDULE — 57AVE LP

VOLTAGE	PHASE	WIRE	MCB (A)	MLO (A)	BUS AMPS	AIC	MOUNTING	SECTIONS
120/240	1	3	100		125	10K**	SURFACE	

REMARKS

PANELBOARD SHALL BE SQUARE D "NQ" PANELBOARD IN NEMA 3R GASKETED, LOCKABLE ENCLOSURE WITH DRIP CAP.
PANELBOARD SHALL BE SERVICE ENTRACE RATED.
** PROVIDE HIGHER RATED AIC IF PEPCO UTILITY DATA EXCEEDES 10KAIC.

CKT. #	ITEM SERVED	WIRE	GROUND	CONDUIT	CKT. BRK TRIP	P	LOAD (KVA)	PHASE	LOAD (KVA)	P	CKT. BRK TRIP	CONDUIT	GROUND	WIRE	ITEM SERVED	CKT. #
1	SL-1 - SL-11 POLE LIGHT	#8	#10	1"	20A	2	0.10	A	0.10	2	20A	1"	#10	#8	SL-20 - SL-29 POLE LIGHT	2
3							0.10	B	0.10							4
5	SL-31 - SL-40 POLE LIGHT	#8	#10	1"	20A	2	0.10	A	0.10	2	20A	1"	#10	#8	SL-12 - SL-19 POLE LIGHT	6
7							0.10	B	0.10							8
9	LIGHT CONTACTOR	#12	#12	3/4"	20A	2	0.01	A		2	20A				SPARE	10
11							0.01	B								12
13	SPARE				20A	2		A							SPACE	14
15								B							SPACE	16
17	SPACE							A							SPACE	18
19	SPACE							B							SPACE	
21	SPACE							A							SPACE	22
23	SPACE							B							SPACE	24
25	SPACE							A							SPACE	26
27	SPACE							B							SPACE	28
29	SPACE							A							SPACE	30

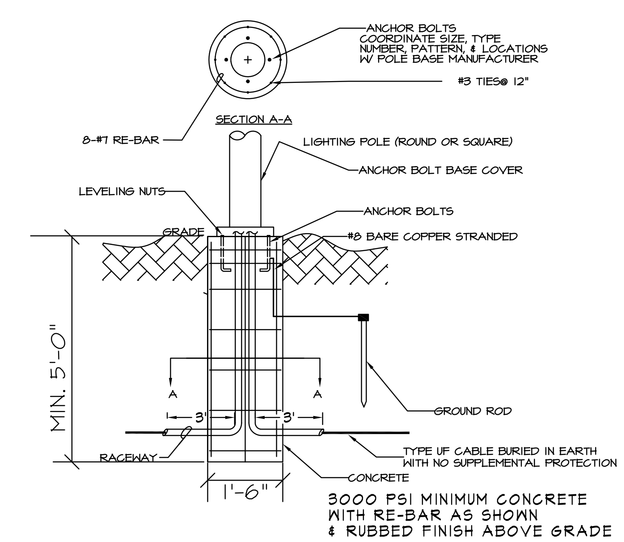
	A	B
TOTAL LOAD PER PHASE (KVA)	0.41	0.41

CONNECTED TOTAL (KVA) 0.82
CONNECTED AMPACITY (A) 3.42

COOPER LIGHTING VENDOR

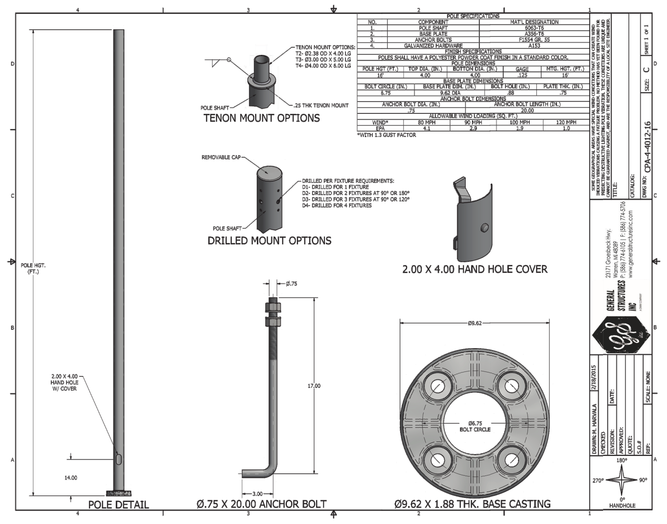
CONTACT BAY LIGHTING, LLC [WWW.BAYLIGHTING.NET; 301.858.9494] FOR ALL STREET LIGHTING INFORMATION AND PRICING RELATED TO THIS PROJECT.

MR. JOHN RICHARDSON [JRICHARDSON@BAYLIGHTING.NET]



LIGHT POLE BASE DETAIL

SCALE: NONE



DESIGN TECH

DESIGNTECH INC.
Engineering Services
10410 Kensington Parkway, Suite 200
Kensington, MD 20895
Phone: 301 949-2068 Fax: 301 949-2069
Project #: 23190

STATE OF MARYLAND — JAMES WEI — PROFESSIONAL ENGINEER — 3-04-2024

"Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland."
License No.: 22897
Expiration Date:11/11/24

REVISIONS:

1/23/24	OWNER REVIEW
3/4/24	PERMIT SET

PROJECT TITLE / DESCRIPTION:

57TH AVENUE IMPROVEMENTS
STREET LIGHTING PROJECT
BLADENSBURG, MD 20710

FACILITY ADDRESS:

57TH AVENUE
58TH AVE. & EMERSON ST.
BLADENSBURG, MD 20710

DRAWING TITLE:

ELECTRICAL
LIGHTING DETAILS &
CIRCUITRY

PROFESSIONAL SEAL:

DATE: 1-24-23	DRAWN BY: JW
SCALE: AS NOTED	CHECKED BY: MM
SHEET NUMBER:	

E-2