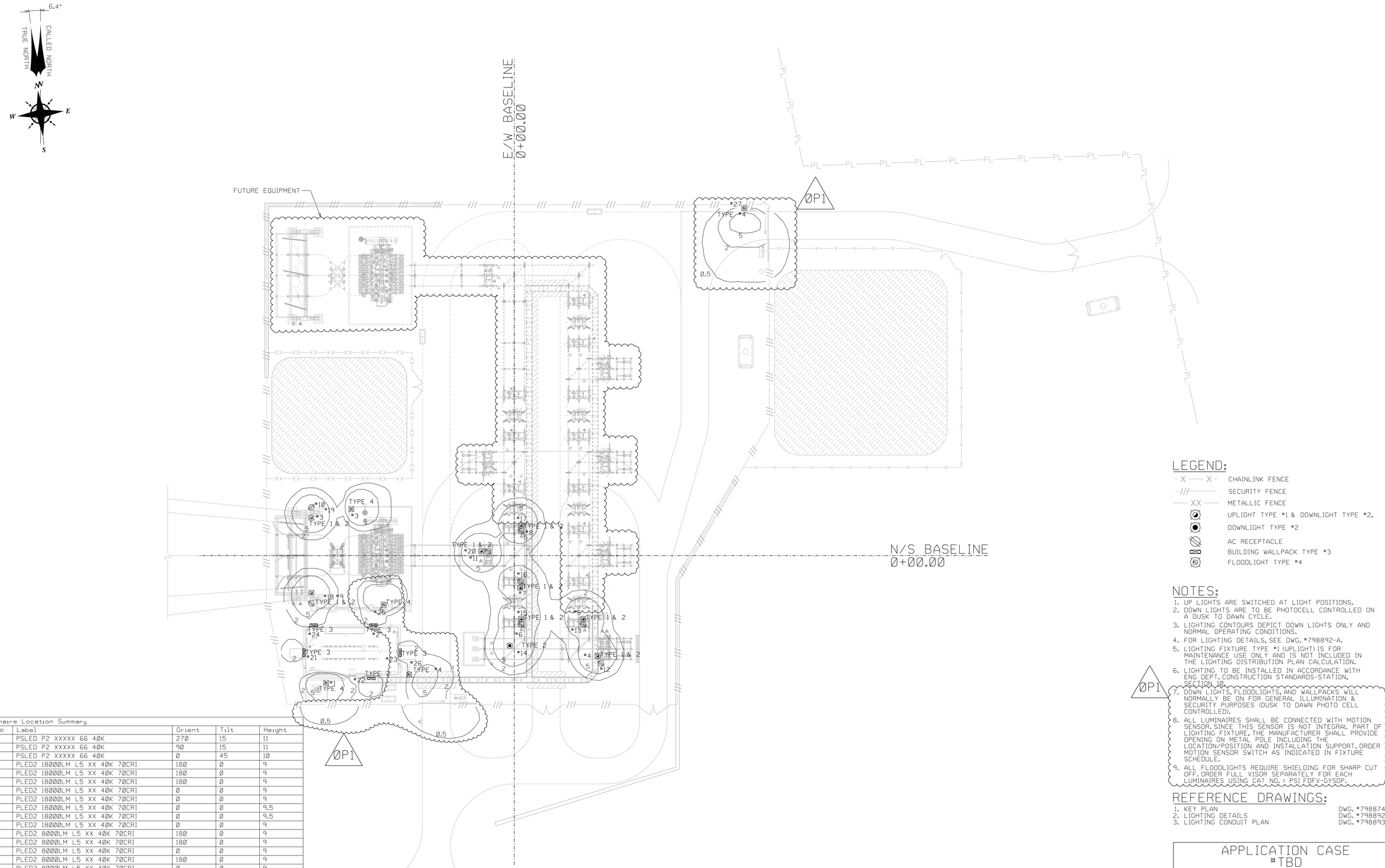

Luminaire Location Summary				
LumNo	Label	Orient	Tilt	Height
1	PSLED P2 XXXXX 66 40K	270	15	11
2	PSLED P2 XXXXX 66 40K	90	15	11
3	PSLED P2 XXXXX 66 40K	Ø	45	10
4	PLED2 18000LM L5 XX 40K 70CRI	180	Ø	9
5	PLED2 18000LM L5 XX 40K 70CRI	180	Ø	9
6	PLED2 18000LM L5 XX 40K 70CRI	180	Ø	9
7	PLED2 18000LM L5 XX 40K 70CRI	Ø	Ø	9
8	PLED2 18000LM L5 XX 40K 70CRI	Ø	Ø	9
9	PLED2 18000LM L5 XX 40K 70CRI	Ø	Ø	9.5
10	PLED2 18000LM L5 XX 40K 70CRI	Ø	Ø	9.5
11	PLED2 18000LM L5 XX 40K 70CRI	Ø	Ø	9
12	PLED2 8000LM L5 XX 40K 70CRI	180	Ø	9
13	PLED2 8000LM L5 XX 40K 70CRI	180	Ø	9
14	PLED2 8000LM L5 XX 40K 70CRI	Ø	Ø	9
15	PLED2 8000LM L5 XX 40K 70CRI	180	Ø	9
16	PLED2 8000LM L5 XX 40K 70CRI	Ø	Ø	9
17	PLED2 8000LM L5 XX 40K 70CRI	Ø	Ø	9
18	PLED2 8000LM L5 XX 40K 70CRI	Ø	Ø	9.5
19	PLED2 8000LM L5 XX 40K 70CRI	Ø	Ø	9.5
20	PLED2 8000LM L5 XX 40K 70CRI	180	Ø	9
21	WDGE2 LED P1 40K 80CRI VW	180	Ø	11
22	WDGE2 LED P1 40K 80CRI VW	270	Ø	11
23	WDGE2 LED P1 40K 80CRI VW	Ø	Ø	11
24	WDGE2 LED P1 40K 80CRI VW	90	Ø	11
25	WDGE2 LED P1 40K 80CRI VW	90	Ø	11
26	PSLED P2 XXXXX 66 40K	332.061	60	15
27	PSLED P2 XXXXX 66 40K	269.602	60	15

ØP1

FIXTURE SCHEDULE

LIGHTING FIXTURE	MANUFACTURER'S CATALOG NO./CUT SH.*	FIXTURE DESCRIPTION	LED WATTAGE & VOLTAGE	LUMENS NOMINAL	MTG HEIGHT	MOUNTING, ALL FIXTURES 2-HOLE ADJUSTABLE YOKE	QTY
TYPE *1	HOLOPHANE LTG PETROLUX LED PLED2 18000LM L5 MVOLT 40K UNM L/CORD DGXD	STANDARD UPLIGHT *LED* W/ LOCALLY TIMER SWITCH	195W LED 120V	18000 LUMENS	8'-6"	FIELD DRILL PER HOLOPHANE FIXTURE NOTES & DETAILS	8
TYPE *2	HOLOPHANE LTG PETROLUX LED PLED2 8000LM L5 MVOLT 40K UNM L/CORD SBOR6 ØV DGXD	STANDARD DOWNLIGHT *LED* W/ BUTTON PHOTOCELL & OCCUPANCY SENSOR	74W LED 120-277V	8000 LUMENS	8'-6"	FIELD DRILL PER HOLOPHANE FIXTURE NOTES & DETAILS	9
TYPE *3	LITHONIA LIGHTING WDGE2-LED-P2SW-40K-80CRI-VW-MVOLT-SRM-PIRIFC3V-DDBXD	CONTROL HSE / SWGR ENT. WALLPACK *LED* W/PHOTOCELL & SENSOR SWITCH	10W LED 120VAC	2075 LUMENS	8'-Ø" MIN 15'-Ø" MAX	BY FIELD OR BLDG. VENDOR	5
TYPE *4	HOLOPHANE LIGHTING PSLED PK2 MVOLT WFL 40K x GYSPD 10KVMP NR Ø5 43	STANDARD FLOODLIGHT *LED* W/ BUTTON PHOTOCELL INCL. LRSBOR OR HRSBOR SENSOR SWITCH	81W LED 120-277V	7667 LUMENS	10'-Ø" MIN. FIELD ADJ. TILT	FIELD DRILL PER HOLOPHANE FIXTURE NOTES & DETAILS	6

ØP1

LEGEND:

- X — X — CHAINLINK FENCE
- /// SECURITY FENCE
- XX METALLIC FENCE
- UPLIGHT TYPE *1 & DOWNLIGHT TYPE *2,
- DOWNLIGHT TYPE *2
- AC RECEPTACLE
- BUILDING WALLPACK TYPE *3
- FLOODLIGHT TYPE *4

NOTES:

1. UP LIGHTS ARE SWITCHED AT LIGHT POSITIONS.
2. DOWN LIGHTS ARE TO BE PHOTOCELL CONTROLLED ON A DUSK TO DAWN CYCLE.
3. LIGHTING CONTOURS DEPICT DOWN LIGHTS ONLY AND NORMAL OPERATING CONDITIONS.
4. FOR LIGHTING DETAILS, SEE DWG. *798892-A.
5. LIGHTING FIXTURE TYPE *1 (UPLIGHT) IS FOR MAINTENANCE USE ONLY AND IS NOT INCLUDED IN THE LIGHTING DISTRIBUTION PLAN CALCULATION.
6. LIGHTING TO BE INSTALLED IN ACCORDANCE WITH ENG DEPT. CONSTRUCTION STANDARDS-STATION, SECTION 10.
7. DOWN LIGHTS, FLOODLIGHTS, AND WALLPACKS WILL NORMALLY BE ON FOR GENERAL ILLUMINATION & SECURITY PURPOSES (DUSK TO DAWN PHOTO CELL CONTROLLED).
8. ALL LUMINAIRES SHALL BE CONNECTED WITH MOTION SENSOR. SINCE THIS SENSOR IS NOT INTEGRAL PART OF LIGHTING FIXTURE, THE MANUFACTURER SHALL PROVIDE OPENING ON METAL POLE INCLUDING THE LOCATION/POSITION AND INSTALLATION SUPPORT. ORDER MOTION SENSOR SWITCH AS INDICATED IN FIXTURE SCHEDULE.
9. ALL FLOODLIGHTS REQUIRE SHIELDING FOR SHARP CUT OFF. ORDER FULL VISOR SEPARATELY FOR EACH LUMINAIRES USING CAT NO.= PSI FDFV-GYSDP.

ØP1

REFERENCE DRAWINGS:

1. KEY PLAN — DWG. *798874-A
2. LIGHTING DETAILS — DWG. *798892-A
3. LIGHTING CONDUIT PLAN — DWG. *798893-A

SCALE: 1"=20'-0"

SITE LOCATION

225 SHARP RD
BLOCK 15, LOT 2

BLACK & VEATCH

DWN	SCF
DES	EH
CHK	FSA
APD	TJS

BLACK & VEATCH
11401 LAMAR AVE.
OVERLAND PARK, KS 66211
(CORPORATE HEADQUARTERS)

I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF NEW JERSEY.

TYLER J. SCHUMACHER
N.J. PROFESSIONAL ENGINEER NO. GE52763
N.J. COA NO. 24GA27981200

APPLICATION CASE
#TBD

NO	DATE	DESCRIPTION	DWN	CKD	EXD	APD
ØP1	Ø8/14/25	REVISED LIGHTING, ADDED GATE OPERATOR LIGHTING WBS *C.92301.B.2.1.2.2	EH BV	FSA	EA	PB

REVISION

SHARP ROAD SWITCH
230/69KV SWITCHYARD
ULTIMATE LIGHTING DISTRIBUTION PLAN

ARRANGEMENT — ELECTRICAL

PSEG
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
ELECTRIC DELIVERY COMPANY-ASSET RELIABILITY, NEWARK N.J.

DRAWN F. HERNANDEZ CHECKED F. ARAUJO SCALE 1"=20'-0"
DATE 04/23/2025 EXAMINED M.J. STACHIW
WBS C.92301.B.2.1.2.3 APPROVED P. BHATTACHARYA

798891 A -ØP1