



**REV. 4 NOTE:**  
 1. EXISTING CONTROL HOUSE LIGHTING CONTOURS ARE ESTIMATES ONLY.

- LEGEND:**
- INDICATES TYPE 1 &/OR TYPE 2 LIGHT FIXTURE LOCATIONS
  - INDICATES TYPE 3 &/OR TYPE 4 AND TYPE 5 LIGHT FIXTURE LOCATIONS
  - 8' HIGH ANTI-CUT/CLIMB FENCE
  - 17' HIGH PRECAST CONCRETE WALL

- NOTES:**
1. DOWN LIGHTS, FLOODLIGHTS, AND WALLPACKS WILL NORMALLY BE ON FOR GENERAL ILLUMINATION & SECURITY PURPOSES (DUSK TO DAWN PHOTO CELL CONTROLLED).
  2. fc = FOOT CANDLES
  3. LIGHTING DETAILS AND FIXTURE SCHEDULE MOVED TO DWG. #398573-A.
  4. ALL LUMINAIRES SHALL BE CONNECTED WITH MOTION SENSOR.
  5. ALL FLOODLIGHTS TO USE FULL VISOR SHIELDING CAT NO. PSI DFV-GYSDP

- REFERENCE DRAWINGS:**
1. BURLINGTON-COX'S CORNER TRANS. LINE - DWG NO. 10410R
  2. PLAN OF SURVEY - DWG NO. 1062-1
  3. DISTRIBUTION ULTIMATE LAYOUT - DWG NO. 22-1062-1
  4. 230KV SUBSTATION BUS PLAN SH.1 - 206936-A-8799
  5. - 206949-A-8799
  6. - 207550-A-8807
  7. - 207448-A-8799
  8. - 206928-A-8008
  9. - 206927-A-8799
  10. - 206950-A-8799

11. STA. LIT. A FOUR TRANS. & EMERGS. MOTOR GEN. HOUSE - 207851-A-3104
12. 230KV SUBSTATION BUS PLAN SH.2 - 260347-A-1966
13. 230KV CIRCUIT BKR. ABB. CO. - 287601-A-2478
14. 230/13KV U.S. TRANSF. WEST PLAN - 296516-A-2614
15. 230/13KV SECTIONS & ELEV. - 296515-A-2614
16. CONTROL DUCTS SECTIONS' DETAILS - 296589-A-2617
17. FEEDER DUCTS SECTIONS' DETAILS - 296586-A-2617
18. 230/13KV BILL OF MATERIAL - 296517-A-2614
19. 230/13KV LIGHTING DETAILS - 398573-A

**SITE LOCATION**  
 225 SHARP RD  
 BLOCK 15, LOT 2

**BLACK & VEATCH**

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 DESIGNER REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF NEW JERSEY.

TYLER J. SCHUMACHER  
 N.J. PROFESSIONAL ENGINEER NO. 052763  
 EXP. DATE 12/31/2020

**APPLICATION CASE # TBD**

NO	DATE	DESCRIPTION	DWN	CHKD	EXD	APD
8P1	08/14/25	REVISED LIGHT DETAILS FOR NEW GATE OPERATOR	EH	FS	EA	PB
8P	04/23/25	ADDED LINE 22H & A-FRAME FOR LINE 52H	EH	JSA	EA	PB
7	11/19/21	REPLACED EXISTING WIRE LIGHTS AND RECEPTACLES	ED	DEL	DEL	KW
6	07/28/21	UPDATED LIT. 22H REMOVE END TO ECHOLON	JULI	TRM	MJS	EA
5	07/05/21	MOVED LIGHTING DETAILS & FIXTURE SCHEDULE TO SCHEDULE TO DWG. 398573-A, MBS. #C-21447.1,1.1,1.2	KDK	KDK	PAP	JA
NO	DATE	DESCRIPTION	DWN	CHKD	EXD	APD

**REVISION**  
**COX'S CORNER SWITCHING STATION**  
 230/13KV  
 ULTIMATE LIGHTING DISTRIBUTION PLAN  
 ARRANGEMENT ELECTRICAL



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

DRAWN M. STACHW... CHECKED E. ZAMBRANO... SCALE 1"=20'-0"  
 DATE 09/18/2023 EXAMINED E. ZAMBRANO  
 WBS C-30381 APPROVED JOHN DEAN

296061 A -8P1