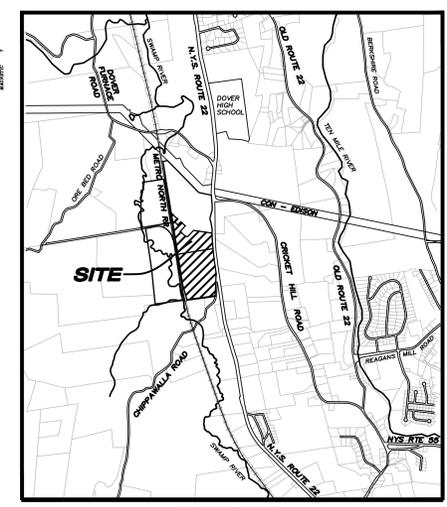
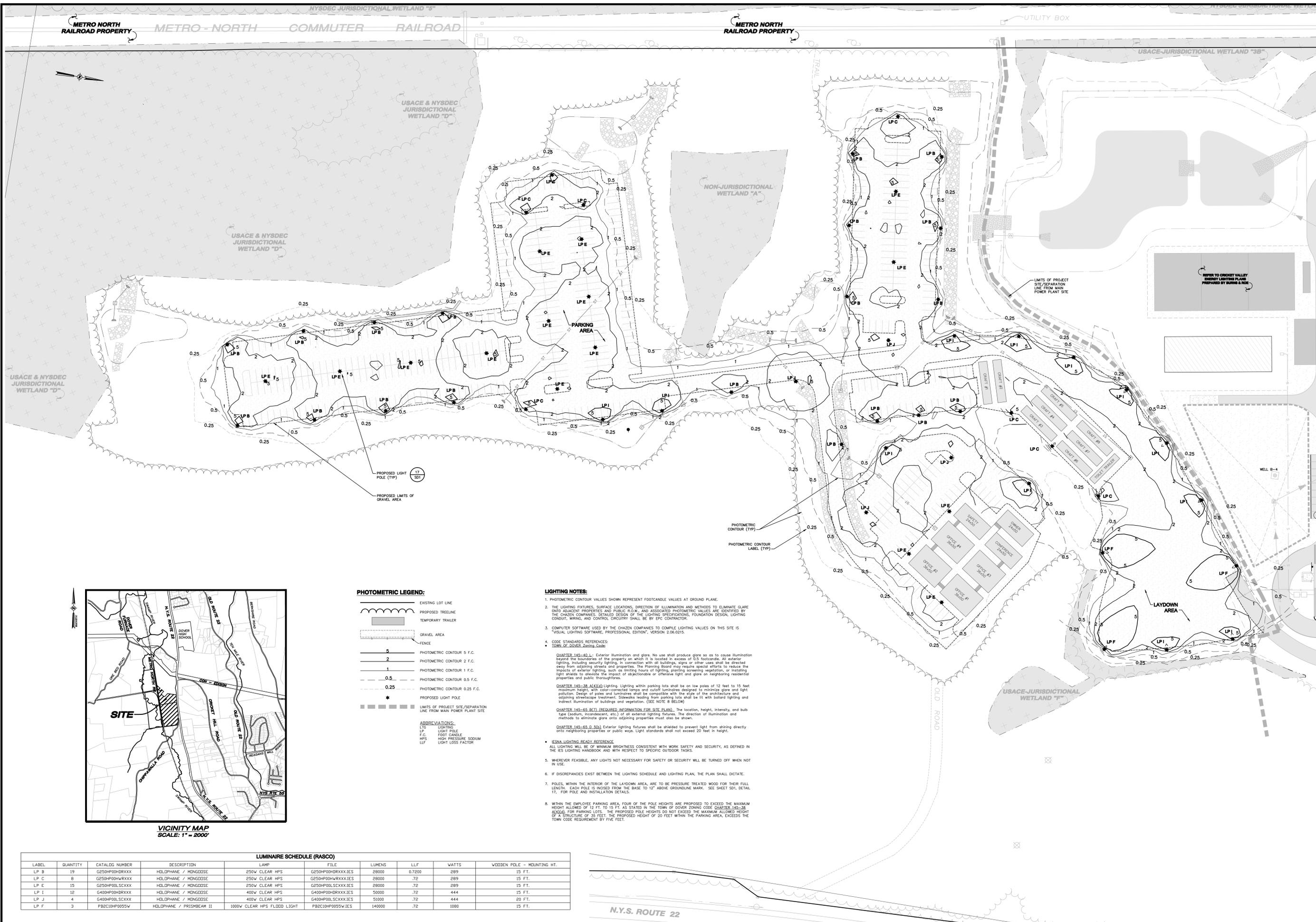


## **Appendix 6-A: Former Rasco Parcel Lighting Plan**



**PHOTOMETRIC LEGEND:**

- EXISTING LOT LINE
- - - PROPOSED TRELLINE
- ▭ TEMPORARY TRAILER
- ▭ GRAVEL AREA
- ▭ FENCE
- 5 PHOTOMETRIC CONTOUR 5 F.C.
- 2 PHOTOMETRIC CONTOUR 2 F.C.
- 1 PHOTOMETRIC CONTOUR 1 F.C.
- 0.5 PHOTOMETRIC CONTOUR 0.5 F.C.
- 0.25 PHOTOMETRIC CONTOUR 0.25 F.C.
- \* PROPOSED LIGHT POLE
- ▭ LIMITS OF PROJECT SITE/SEPARATION LINE FROM MAIN POWER PLANT SITE

**ABBREVIATIONS:**

- LIT LIGHTING
- LP LIGHT POLE
- F.C. FOOT CANDLE
- HPS HIGH PRESSURE SODIUM
- LLF LIGHT LOSS FACTOR

**LIGHTING NOTES:**

- PHOTOMETRIC CONTOUR VALUES SHOWN REPRESENT FOOTCANDLE VALUES AT GROUND PLANE.
- THE LIGHTING FIXTURES, SURFACE LOCATIONS, DIRECTION OF ILLUMINATION AND METHODS TO ELIMINATE GLARE ONTO ADJACENT PROPERTIES AND PUBLIC ROW, AND ASSOCIATED PHOTOMETRIC VALUES ARE IDENTIFIED BY THE CHAZEN COMPANIES. DETAILED DESIGN OF THE LIGHTING SPECIFICATIONS, FOUNDATION DESIGN, LIGHTING CONDUIT, WIRING, AND CONTROL CIRCUITRY SHALL BE BY EPC CONTRACTOR.
- COMPUTER SOFTWARE USED BY THE CHAZEN COMPANIES TO COMPUTE LIGHTING VALUES ON THIS SITE IS "VISUAL LIGHTING SOFTWARE, PROFESSIONAL EDITION", VERSION 2.06.02/05.
- CODE STANDARDS REFERENCES:
  - ILLUMINANCE: IESNA Handbook
  - CHAPTER 145-40 L: Exterior illumination and glare. No use shall produce glare so as to cause illumination beyond the boundaries of the property on which it is located in excess of 0.5 footcandle. All exterior lighting, including security lighting, in connection with oil buildings, signs or other uses shall be directed away from adjoining streets and properties. The Planning Board may require special efforts to reduce the impacts of exterior lighting, such as limiting hours of lighting, planting screening vegetation, or installing light shields to alleviate the impact of objectionable or offensive light and glare on neighboring residential properties and public thoroughfares.
  - CHAPTER 145-38 AL(A)(4) Lighting: Lighting within parking lots shall be on low poles of 12 feet to 15 feet maximum height, with color-corrected lamps and cutoff luminaires designed to minimize glare and light pollution. Design of poles and luminaires shall be compatible with the style of the architecture and adjoining streetscape treatment. Sidewalk lighting from parking lots shall be lit with bollard lighting and indirect illumination of buildings and vegetation. (SEE NOTE 8 BELOW)
  - CHAPTER 145-65 (b) (7) (REQUIRED INFORMATION FOR SITE PLAN): The location, height, intensity, and bulb type (sodium, incandescent, etc.) of all exterior lighting fixtures. The direction of illumination and methods to eliminate glare onto adjoining properties must also be shown.
  - CHAPTER 145-65 (d) (5)(c) exterior lighting fixtures shall be shielded to prevent light from shining directly onto neighboring properties or public ways. Light standards shall not exceed 20 feet in height.
- IESNA LIGHTING READY REFERENCE: ALL LIGHTING SHALL BE OF MINIMUM BRIGHTNESS CONSISTENT WITH WORK SAFETY AND SECURITY, AS DEFINED IN THE IES LIGHTING HANDBOOK AND WITH RESPECT TO SPECIFIC OUTDOOR TASKS.
- WHEREVER FEASIBLE, ANY LIGHTS NOT NECESSARY FOR SAFETY OR SECURITY WILL BE TURNED OFF WHEN NOT IN USE.
- IF DISCREPANCIES EXIST BETWEEN THE LIGHTING SCHEDULE AND LIGHTING PLAN, THE PLAN SHALL DICATE.
- POLES, WITHIN THE INTERIOR OF THE LAYDOWN AREA, ARE TO BE PRESSURE TREATED WOOD FOR THEIR FULL LENGTH. EACH POLE IS INCISED FROM THE BASE TO 12" ABOVE GROUNDLINE MARK. SEE SHEET SD1, DETAIL 17, FOR POLE AND INSTALLATION DETAILS.
- WITHIN THE EMPLOYEE PARKING AREA, FOUR OF THE POLE HEIGHTS ARE PROPOSED TO EXCEED THE MAXIMUM HEIGHT ALLOWED OF 12 FT. TO 15 FT. AS STATED IN THE TOWN OF DOVER TOWN CODE CHAPTER 145-38 AL(A)(4) FOR PARKING LOTS. THE PROPOSED POLE HEIGHTS DO NOT EXCEED THE MAXIMUM ALLOWED HEIGHT OF A STRUCTURE OF 35 FEET. THE PROPOSED HEIGHT OF 20 FEET WITHIN THE PARKING AREA, EXCEEDS THE TOWN CODE REQUIREMENT BY FIVE FEET.

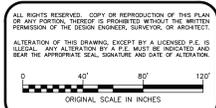
**LUMINAIRE SCHEDULE (RASCO)**

LABEL	QUANTITY	CATALOG NUMBER	DESCRIPTION	LAMP	FILE	LUMENS	LLF	WATTS	WOODEN POLE - MOUNTING HT.
LP B	19	G250HP00H0RXXX	HOLLOPHANE / MONGOOSE	250W CLEAR HPS	G250HP00H0RXXXIES	28000	0.7200	289	15 FT.
LP C	8	G250HP00H0RXXX	HOLLOPHANE / MONGOOSE	250W CLEAR HPS	G250HP00H0RXXXIES	28000	.72	289	15 FT.
LP E	15	G400HP00L0CXXX	HOLLOPHANE / MONGOOSE	250W CLEAR HPS	G400HP00L0CXXXIES	28000	.72	289	15 FT.
LP I	12	G400HP00R0RXXX	HOLLOPHANE / MONGOOSE	400W CLEAR HPS	G400HP00R0RXXXIES	50000	.72	444	15 FT.
LP J	4	G400HP00L0CXXX	HOLLOPHANE / MONGOOSE	400W CLEAR HPS	G400HP00L0CXXXIES	51000	.72	444	20 FT.
LP F	3	PB2C0HP0055W	HOLLOPHANE / PRISMBEAM II	1000W CLEAR HPS FLOOD LIGHT	PB2C0HP0055WIES	140000	.72	1880	15 FT.

PROJECT NAME  
CRICKET VALLEY ENERGY - ON-SITE  
CONSTRUCTION LAYDOWN & PARKING AREA  
(FORMER RASCO PARCEL)

DEVELOPER  
CRICKET VALLEY ENERGY CENTER, LLC.

OWNER OF RECORD  
HOWLANDS LAKE PARTNERS, LLC  
P.O. BOX 285  
MOUNT KISCO, NEW YORK 10549



CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPE ARCHITECTURE CO., P.C.

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- Capital District Office: 445 West Street, Troy, New York 12180, Phone: (518) 273-0555
- North Country Office: 100 Main Street, Oneonta, New York 13820, Phone: (518) 913-0513

REV.	DATE	REVISION FOR TOWN & CLIENT COMMENTS
1	4/23/12	REVISED FOR TOWN & CLIENT COMMENTS
2	02/24/12	REVISED FOR TOWN & CLIENT COMMENTS

ISSUED FOR PRELIMINARY USE ONLY

CRICKET VALLEY ENERGY  
ON-SITE CONSTRUCTION LAYDOWN & PARKING AREA (FORMER RASCO PARCEL)

**PRELIMINARY LIGHTING PLAN**

NYS ROUTE 22, TOWN OF DOVER PLAINS, DUTCHESS COUNTY, NEW YORK

Drawn: [ ] checked: [ ]  
Scale: [ ]  
Date: 02/24/12  
Project No.: 81001.01  
Sheet No.: LT1

Drawing Name: S:\81000-81009\81001\01\LAND\RASCO-RASCO-PLAN-LT1\_81001-01\_L001.rvt  
 Plot Name: S:\81000-81009\81001\01\LAND\RASCO-RASCO-PLAN-LT1\_81001-01\_L001.rvt  
 Date Plotted: May 10, 2012, 12:30pm