1 C190 **PHOTOMETRIC PLAN**
SCALE: SCALE: 1"=20'

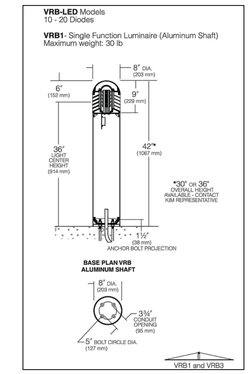
LIGHTING LEGEND:

- PROPOSED BUILDING
- LIGHT WALL PACK
- POST TOP MOUNTED LUMINAIRE / POLE
- CEILING–MOUNTED CANOPY LIGHT FIXTURE
- BOLLARD LIGHT FIXTURE

LIGHTING NOTES:

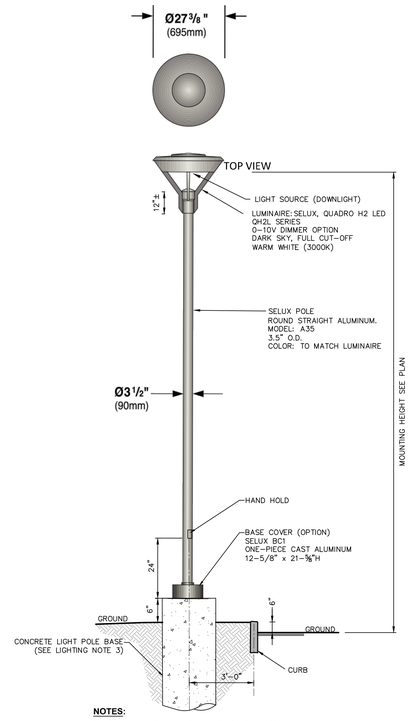
1. GRID NUMBERS SHOWN REPRESENT FOOT CANDLE VALUES AT GROUND PLANE.
2. THE LIGHTING FIXTURES, SURFACE LOCATIONS AND ASSOCIATED PHOTOMETRIC VALUES ARE IDENTIFIED BY THE CHAZEN COMPANIES. DETAILED DESIGN OF THE LIGHTING SPECIFICATIONS, FOUNDATION DESIGN, LIGHTING CONDUIT, WRING, AND CONTROL CIRCUITRY SHALL BE BY OTHERS.
3. THE VERTICAL COMPONENT OF THE CANOPY OVER THE GAS–FILLING PUMPS SHALL NOT BE LIGHTED.
4. ALL SITE LIGHTING SHALL BE EQUIPPED WITH THE DIMMER OPTION, PROVIDING 0–10v DIMMING DRIVER AND ON/OFF CAPABILITY.
5. SITE LIGHTS SHALL BE DIMMED TO A REDUCED LIGHT LEVEL DURING NON–OPERATIONAL HOURS, WHILE STILL PROVIDING FOR SAFETY FOR THE RESIDENTS ON SITE. CANOPY LIGHTING SHALL BE TURNED OFF OR DIMMED TO DURING NON–OPERATIONAL HOURS.

SECTION VIEW



MANUFACTURER: KIM LIGHTING (HUBBELL.COM)
MODEL: VRB1 –VANDAL RESISTANT ROUND BOLLARD LED
0–10v DIMMER OPTION

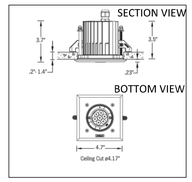
3 C190 **BOLLARD LIGHT FIXTURE DETAIL**
SCALE: NTS



NOTES:

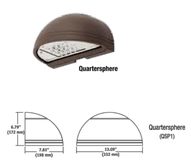
1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
2. ALL EXCAVATIONS SHALL BE BACKFILLED WITH STRUCTURAL FILL AND COMPACTED TO 95% OF MAXIMUM MATERIAL DENSITY.
3. ELECTRICAL POWER SUPPLY, WIRE, AND CONDUIT BY OTHERS.

2 C190 **PEDESTRIAN SCALE LIGHTING FIXTURE DETAIL**
SCALE: N.T.S.



MANUFACTURER: LIGMAN LIGHTING
MODEL: RECESSED CEILING NIKON 2
LED; DARK SKY CERTIFIED
CANOPY & BLDG OVERHANG LUMINAIRE
0–10v DIMMER OPTION

3 C190 **CANOPY LIGHT FIXTURE DETAIL**
SCALE: NTS



SIDE VIEW FRONT VIEW

MANUFACTURER: HUBBELL LIGHTING
MODEL: GEO–PAK SIZE 1
LED, CERTIFIED IDA DARK SKY FRIENDLY
0–10v DIMMING DRIVER STANDARD, PHOTOCELL AND OCCUPANCY SENSOR OPTIONS AVAILABLE FOR COMPLETE ON/OFF AND DIMMING CONTROL.

4 C190 **WALL-MOUNTED LIGHT FIXTURE DETAIL**
SCALE: NTS

LIGHTING STATISTICS

STATISTICAL ZONE	AVERAGE	MAXIMUM	MINIMUM	AVE/MAX
ENTIRE SITE TO PL	0.7 fc	22.8 fc	0.0	N/A
PAVEMENT AREA ONLY (EXCLUDE CANOPY AREA)	0.9 fc	2.5 fc	0.1	9.0:1
UNDER CANOPY ONLY, PLUS 5 FT.	5.1 fc	9.2 fc	0.5	0.6:1
WALKWAY ONLY – ALONG R.O.W	0.3 fc	0.9 fc	0.0	N/A

LIGHTING SCHEDULE

QTY.	DESIGNATION	MANUFACTURER MODEL NUMBER	MOUNT HEIGHT	LIGHTING TYPE	CATALOG NUMBER	WATTS	LUMENS	COLOR TEMPERATURE	LLF
25	L–W (CANOPY MOUNTED)	LIGMAN LIGHTING USA NIKON 2 –RECESSED EXTERIOR DOWNLIGHT SQ.	15 FT. *	7 LED'S	NI–80511–W–W30 REV.2	32.1	753	3000K	0.92
2	L–M (SOFFIT MOUNTED)	LIGMAN LIGHTING USA NIKON 2 –RECESSED EXTERIOR DOWNLIGHT SQ.	8 FT. *	7 LED'S	NI–80511–M–W30 REV.2	32.1	764	3000K	0.92
8	PT–R4–HS** (POST TOP)	SELUX CORPORATION QUADRO H2 LED	15 FT.	7 LED'S	QH2L–X–R4–5G350–30–XX–UNV–HS–DM–PCT	32.9	2207	3000K	0.92
2	PT–R5S (POST TOP)	SELUX CORPORATION QUADRO H2 LED	15 FT.	7 LED'S	QH2L–X–R5S–5G350–30–XX–UNV–DM–PCT	32.7	32971	3000K	0.92
7	W–T4 (WALL MOUNTED)	HUBBELL OUTDOOR LIGHTING GEOPAK SERIES SIZE 1 LED – QUARTERSPHERE	VARIES 8–11 FT. ***	12 LED'S	TRP1–12L15–3K7–4–PCU	13.9	1471	3000K	0.92
7	B (BOLLARD)	KIM LIGHTING /HUBBELL VRB1–VANDAL RESISTANT ROUND BOLLARD LED	3.5 FT.	10 LED's	VRB1–10L2K AMBER	7.3	317	2000K AMBER	0.92

* MEASURED TO UNDERSIDE OF CANOPY.

** HS = HOUSE–SIDE SHIELD INSTALLED BY MANUFACTURER

*** HEIGHT VARIES, SEE PLAN AT BUILDING.

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rev.	date	description
6	06/14/21	REVSED PER TOWN COMMENTS
5	05/17/21	GENERAL REVISION, REVISED PER TOWN COMMENTS
4	03/22/21	GENERAL REVISIONS, REVISED LAYOUT
3	02/16/21	GENERAL REVISIONS. REVISED LAYOUT WITH AN ADDITIONAL TAXLOT ADDED
2	10/13/20	REVISED PER PLANNING BOARD COMMENTS
1	08/03/20	REVISED PER PLANNING BOARD COMMENTS

GASLAND PETROLEUM, INC- NYS RTE 9D/CR 28 -TOWN OF WAPPINGER

PHOTOMETRIC PLAN

TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK

designed	checked
SMD	CPL
date 01/09/20	scale 1"=20'
project no. 81941.00	
sheet no. C190	

Drawing Name: Z:\projects\81900–81999\81941.00 Gas Land Town of Wappinger Route 9D\DWG\05_PLAN_C190_81941_PHOTOMTRC.dwg
Xref's Attached: XLAYOUT_81941–00; XTB_81941–00; XGRADING_81941–00; XUTIL_81941–00; XLANDSCAPE_81941–00 ; XBASE–ENG_81941–00; XPHOTOMETRIC_81941–00
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