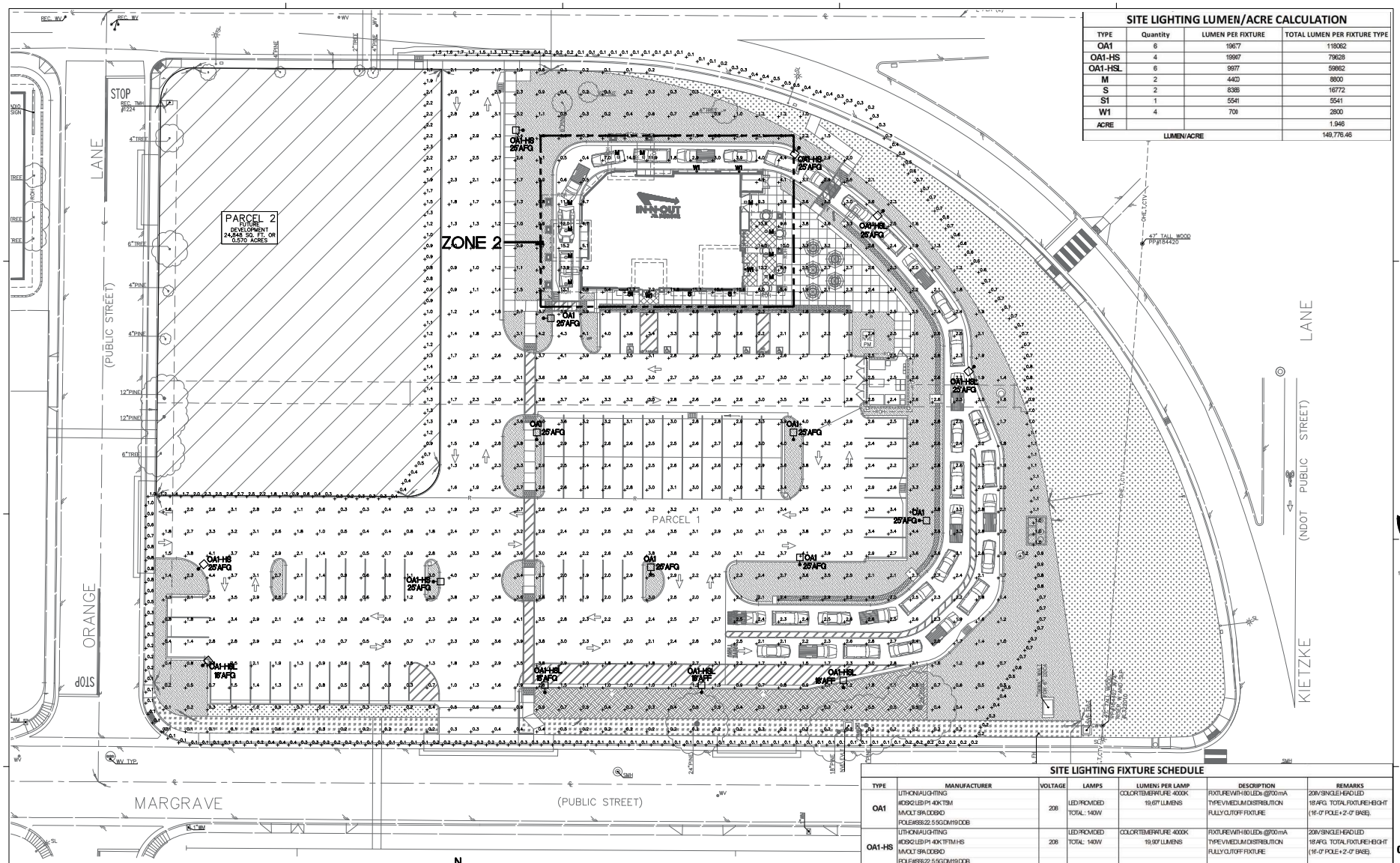


## SITE LIGHTING LUMEN/ACRE CALCULATION

| TYPE | Quantity | LUMEN PER FIXTURE | TOTAL LUMEN PER FIXTURE TYPE |
|---|---|---|---|
| OA1 | 6 | 19677 | 118062 |
| OA1-HS | 4 | 19967 | 79628 |
| OA1-HSL | 6 | 9977 | 59862 |
| M | 2 | 4400 | 8800 |
| S | 2 | 8388 | 16772 |
| S1 | 1 | 5541 | 5541 |
| W1 | 4 | 700 | 2800 |
| ACRE | | | 1.946 |
| LUMEN/ACRE | | | 149,776.46 |

## SITE LIGHTING FIXTURE SCHEDULE

| TYPE | MANUFACTURER | VOLTAGE | LAMPS | LUMENS PER LAMP | DESCRIPTION | REMARKS |
|---|---|---|---|---|---|---|
| OA1 | LITHONIA LIGHTING #DSX2 LED P1 40K TFM MVOLT SPA DDBXD POLE#SSS 22.5 SGDM19 DDB | 208 | LED PROVIDED TOTAL: 140W | COLOR TEMPERATURE 4000K 19,677 LUMENS | FIXTURE WITH 80 LEDs @700 mA TYPE V MEDIUM DISTRIBUTION FULLY CUTOFF FIXTURE | 208V SINGLE HEAD LED 18 AFG. TOTAL FIXTURE HEIGHT (16'-0" POLE + 2'-0" BASE). |
| OA1-HS | LITHONIA LIGHTING #DSX2 LED P1 40K TFTM HS MVOLT SPA DDBXD POLE#SSS 22.5 SGDM19 DDB | 208 | LED PROVIDED TOTAL: 140W | COLOR TEMPERATURE 4000K 19,90' LUMENS | FIXTURE WITH 80 LEDs @700 mA TYPE V MEDIUM DISTRIBUTION FULLY CUTOFF FIXTURE | 208V SINGLE HEAD LED 18 AFG. TOTAL FIXTURE HEIGHT (16'-0" POLE + 2'-0" BASE). |
| OA1-HSL | LITHONIA LIGHTING #DSX1 LED P2 40K TFTM HS MVOLT SPA DDBXD POLE#SSS 22.5 SGDM19 DDB | 208 | LED PROVIDED TOTAL: 68W | COLOR TEMPERATURE 4000K 9,977 LUMENS | FIXTURE WITH 80 LEDs @700 mA TYPE V MEDIUM DISTRIBUTION FULLY CUTOFF FIXTURE | 208V SINGLE HEAD LED 18 AFG. TOTAL FIXTURE HEIGHT (16'-0" POLE + 2'-0" BASE). |
| M | ATLANTIC LIGHTING #LRF12X12-SNL44-4K-1 / SQ12PG-WH-GS | 120 | LED AMP TOTAL: 36W | COLOR TEMPERATURE 4000K 4400 LUMENS | 120V RECESSED MOUNTED LED | 120V RECESSED MOUNTED LED |
| S | LITHONIA LIGHTING #TZL1F LED U96 6000LM MDD 120-40K-80CRI-WH | 120 | LED PROVIDED TOTAL: 41W | COLOR TEMPERATURE 4000K 8388 LUMENS | 4' EXTERIOR WALL MOUNTED UNDER AWNING AT 10'-3" AFG | SEE ARCHITECTURAL DETAILS FOR EXACT FIXTURES |
| S1 | LITHONIA LIGHTING #2L1F LED L48 5000LM MDD 120-40K-80CRI-WH | 120 | LED PROVIDED TOTAL: 60W | COLOR TEMPERATURE 4000K 5541 LUMENS | 4' EXTERIOR WALL MOUNTED UNDER AWNING AT 10'-3" AFG | SEE ARCHITECTURAL DETAILS FOR EXACT FIXTURES |
| W1 | ELITE LIGHTING #FEL437-700L-DIM TR-120 40 90 | 120 | LED PROVIDED TOTAL: 10W | COLOR TEMPERATURE 4000K 700 LUMENS | RECESSED DOWNLIGHT FULLY CUTOFF FIXTURE (SUITABLE FOR DAMP/WET LOC.) | |

NOTES

N

## 01 SITE LIGHTING PHOTOMETRIC PLAN

SCALE: 1" = 20'-0"

0 10 20 40 60

GRAPHIC SCALE" 1"=20'

## PHOTOMETRIC NOTES

A. THIS PLAN REPRESENTS A SOFTWARE SIMULATED PHOTOMETRIC STUDY OF THE EXTERIOR SITE LIGHTING. IT WAS CREATED UNDER THE ENGINEER'S SUPERVISION; HOWEVER THE ENGINEER DOES NOT WARRANT THE ACCURACY OF THE SOFTWARE OR LIGHT FIXTURE DATA. VISUAL 2.06.0215 SOFTWARE WAS USED TO GENERATE THIS DOCUMENT ALONG WITH THE IES DATA FILES PROVIDED BY THE LIGHT FIXTURE MANUFACTURER. THIS PLAN INDICATES THE SIMULATED LIGHT INTENSITY CALCULATED IN FOOT CANDLES AT GRAD LEVEL. THE SIMULATION DOES NOT TAKE INTO EFFECT A CHANGE IN GRADE ELEVATION. THE LIGHT LEVELS ARE CALCULATED ON A HORIZONTAL PLANE 0 FT AFG.

B. PHOTOMETRIC CALCULATION DATA:
B.1. LUMINAIRE LIGHT LOSS FACTOR EQUALS 0.85
B.2. MEAN LAMP LUMENS WERE USED FOR IES CALCULATIONS

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**ISSUE RECORD**

| DATE | DESCRIPTION |
|---|---|
| 12/30/2024 | ENTITLEMENT |

**REVISION RECORD**

**PROFESSIONAL SEAL**

RANDALL V. MOSS
Exp 12/31/2025
ELECTRICAL
STATE OF NEVADA
12/20/25

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**PROTOTYPE VERSION**
URBAN

**PROJECT NAME**
IN-N-OUT BURGER
RENO
NEVADA

880 E. PLUMB LN
RENO, NV

IN-N-OUT BURGER
GOD BLESS AME

**PROJECT NUMBER**
XXXXXX

**SHEET TITLE**
SITE LIGHTING PHOTOMETRIC

**SHEET NUMBER**
E11.0

Exhibit F. Preliminary Photometric Plan

PRINTED BY: COURNEY.LEAF
PRINT DATE: Jan 06, 2025 - 3:26pm