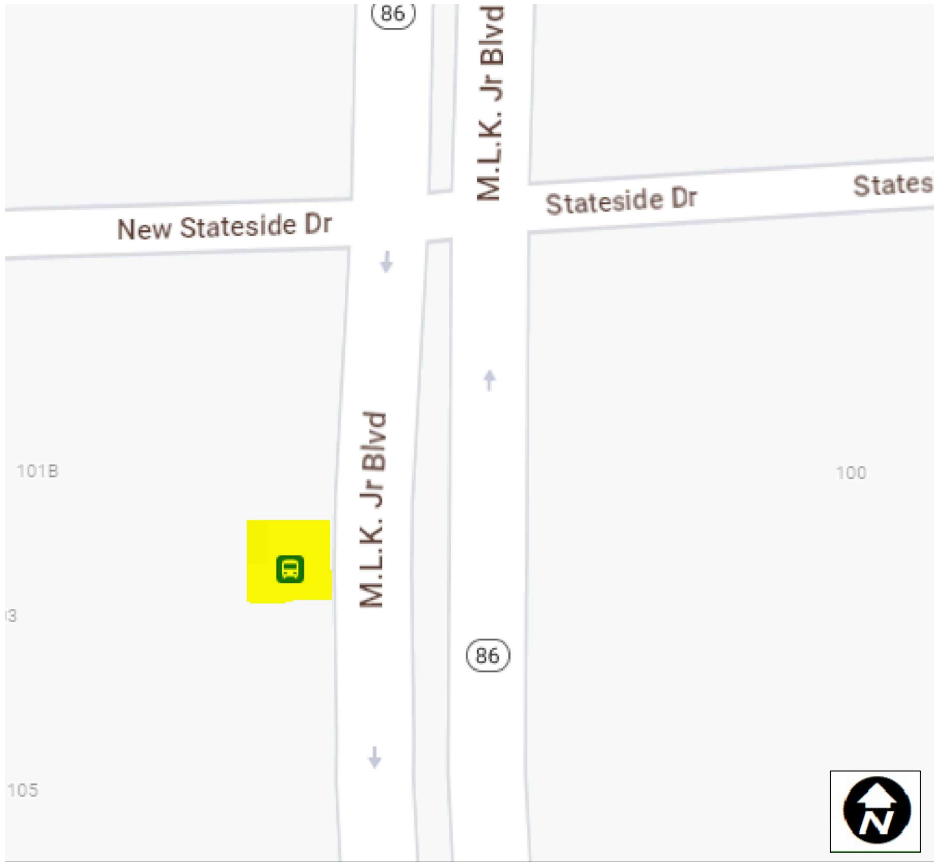
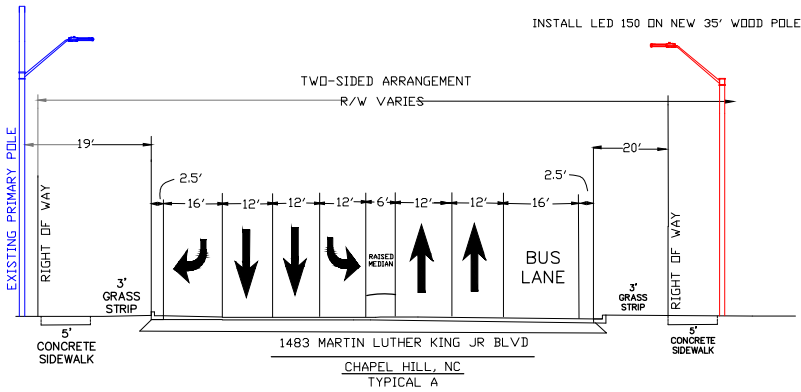



PARNO: 9880127274
OWNER NAME: TOWN OF CHAPEL HILL
CITY: NC
STATE: NC
ZIP: 27516
COUNTY: ORANGE
MAILADD: 405 MARTIN LUTHER KING JR
BLVD CHAPEL HILL NC 27514
SOURCEREF: DEED BOOK PAGE 1567/34



NOTES





















































































1. LIGHT LEVELS ARE BASED ON A TWO-SIDED ARRANGEMENT AT 1483 MARTIN LUTHER KING JR. BLVD (NC-86).
2. ALL LUMINARIES WILL BE:
150W TYPE IV LED, 3000K, RECTANGLE PATTERN WITH PHOTOCELLS AND BALLAST, RATED: 12,748 LUMENS 120V.
3. ALL LIGHTING WITH OVERHEAD SERVICE WILL BE INSTALLED ON NEW WOOD POLES LOCATED OUTSIDE MARTIN LUTHER KING JR. BLVD RIGHT OF WAY
4. MOUNTING HEIGHT FOR LIGHTING FIXTURES: 30' WITH 6' BRACKET ON NEW WOOD POLES
5. ALL POWER SOURCES WILL BE FROM DUKE ENERGY-CAROLINAS FACILITIES.
6. ALL CONSTRUCTION WILL COMPLY WITH NESC REQUIREMENTS AND DUKE ENERGY-CAROLINA SPECIFICATIONS. REFER TO THE DUKE ENERGY-CAROLINAS DRAWINGS LISTED.
7. THIS IS AN NCDOT ROADWAY. APPROVED NCDOT ENCROACHMENT MUST BE ON-SITE DURING CONSTRUCTION.

| | | |
|---|--|---|
| BY INITIATING THIS BLOCK THE CUSTOMER STATES THEY HAVE REVIEWED EACH SHEET OF THE PROPOSED LIGHTING DESIGN AND APPROVES OF ALL PROPOSED LIGHTING FACILITY LOCATIONS. CUSTOMER HAS VERIFIED THERE ARE NO CONFLICTS WITH PROPOSED LIGHTING ARRANGEMENT AND THE PLANS ARE CURRENT. | | CUSTOMER INITIALS X _____ |
| Safety Reminders / Adverse Conditions WZ: REMEMBER "YOUR CIRCLE OF SAFETY" WZ: SET PROPER WORK ZONE NEEDED WZ: SET PROPER SIGNS, CONES, AND BARRICADES WZ: REMEMBER WALK AROUNDS AND PRETRIP | |  |
| REMEMBER: Work zone area conditions may have changed for this job! Everyone is responsible for verifying the above safety information is correct prior to any work being performed each day. | | |

1483 MARTIN LUTHER KING JR. BLVD. (NC-86)

| IES REQUIREMENTS | | | ACTUAL |
|------------------------|-------|------|--------|
| COLLECTOR/INTERMEDIATE | | | |
| AVE. MAINT. FC : | 1.2 | MIN. | 1.21 |
| AVE. / MIN. RATIO : | 4:1 | MAX. | 2.86:1 |
| VEILING LUM. RATIO : | 0.3:1 | MAX. | 0.42:1 |

LIGHTING LEVELS CALCULATED USING ALADAN & LITEPRO
AVG DAILY TRAFFIC: 4,500
DESIGN SPEED LIMIT: 35 MPH
ACTUAL SPEED LIMIT: 35 MPH
AVG. SPAN DISTANCE: 141 FEET
MINIMUM CLEAR SETBACK DISTANCE: 16 FEET

| PROPOSED | EXISTING | REMOVE | ABANDON | LEGEND |
|--|--|--|--|------------------------------------|
|  |  |  |  | LED LUMINAIRE |
|  |  |  |  | DECORATIVE LUMINAIRE |
|  |  |  |  | FIBERGLASS/STEEL LIGHTING POLE |
|  |  |  |  | WOOD POLE |
|  |  |  |  | FOREIGN POLE |
|  |  |  |  | TRANSFORMER (POLE MOUNTED) |
|  |  |  |  | STREET LIGHT CIRCUIT (UNDERGROUND) |
|  |  |  |  | STREET LIGHT CIRCUIT (OVERHEAD) |
|  |  |  |  | PRIMARY CIRCUIT (OVERHEAD) |
|  |  |  |  | PRIMARY CIRCUIT (UNDERGROUND) |
|  |  |  |  | RIGHT OF WAY |
|  |  |  |  | PROPERTY LINE |
|  |  |  |  | EXISTING CONDUIT |
|  |  |  |  | INSTALL CONDUIT |
|  |  |  |  | EXISTING SPAN GUY |
|  |  |  |  | ABOVE GROUND PEDESTAL |
|  |  |  |  | FLUSH MOUNTED 13"x23" PEDESTAL |
|  |  |  |  | PAD MOUNTED ENCLOSURE |
|  |  |  |  | JUNCTION BOX |
|  |  |  |  | TRANSFORMER (PAD MOUNTED) |
|  |  |  |  | RECLOSER |

LIGHTING DESIGN TOLERANCE

The calculated footcandle light levels in this lighting design are provided as an estimate only. They are not a guarantee of the actual lighting levels. Any use, copying, reproduction or disclosure of the drawing, design or any information contained herein by the prospective customer or other entities, including without limitation, architects, engineers, or equipment manufacturers is hereby expressly prohibited and shall not be permitted absent prior written consent from, and payment of compensation to Duke Energy. Duke Energy disclaims any liability or responsibility for any unauthorized use of or reliance on this document.



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STREET LIGHTING ARRANGEMENT FOR
1483 MARTIN LUTHER KING JR BLVD
CHAPEL HILL, NC

Designed by DUKE ENERGY CAROLINAS LIGHTING SOLUTIONS
Reviewed by Stacy Kromko Scale 1"=30"
Date 11/28/2023 Size Drawing size "D"
Description WO# 50106122
Drawing No. 06122 Sht. 1 OF 1