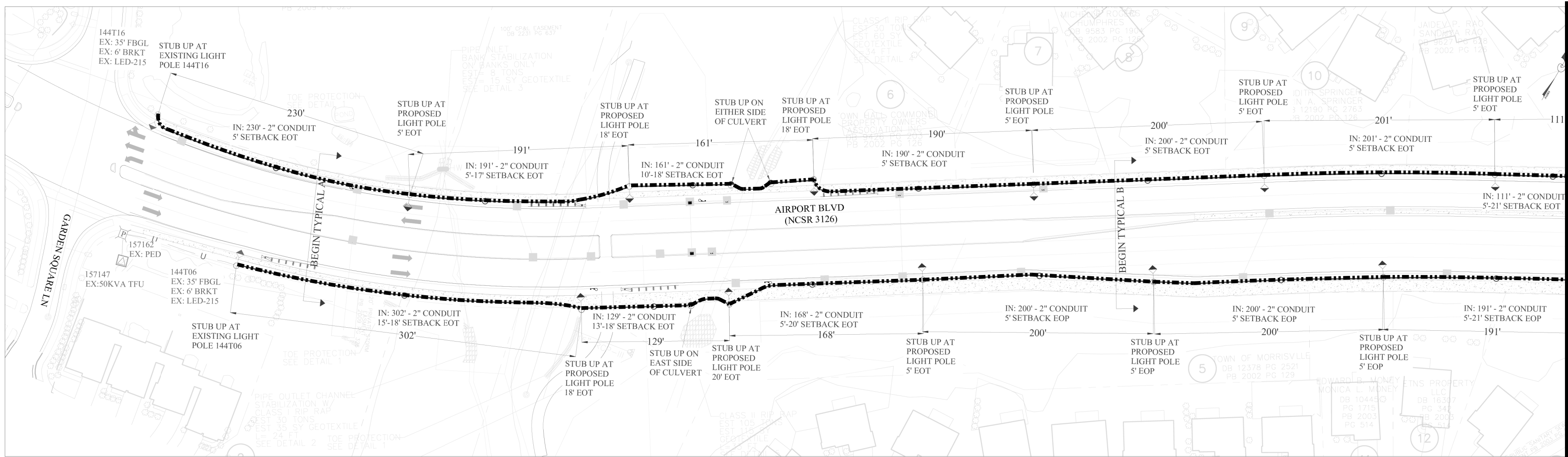


PROJECT REFERENCE NO.	SHEET NO.
HL-0033	E-1

Designed by:
Sarah C. Kiriapapali
PROFESSIONAL ENGINEER
12/22/2025

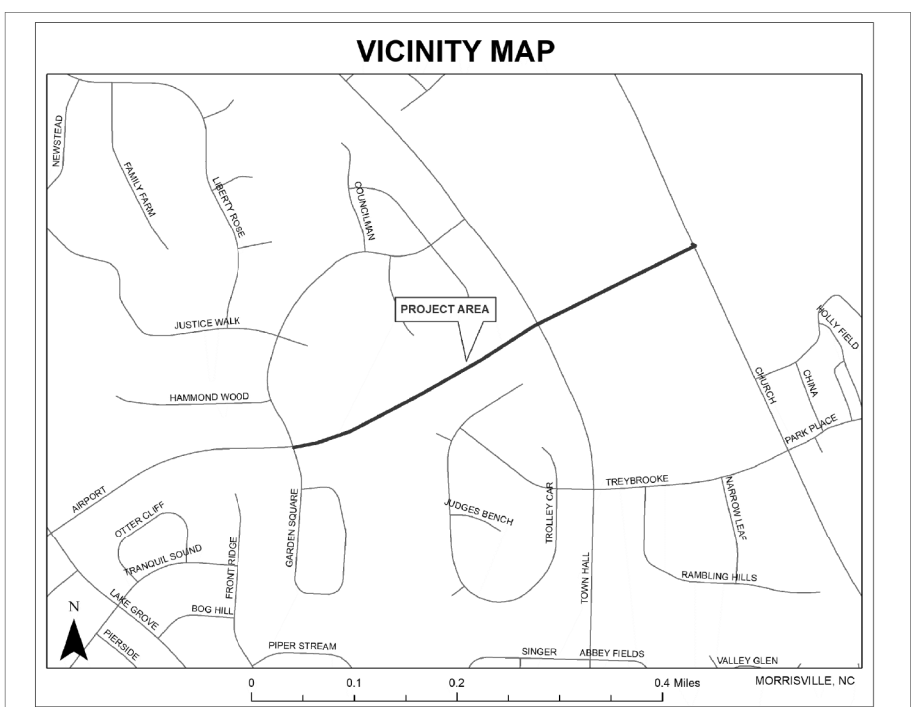
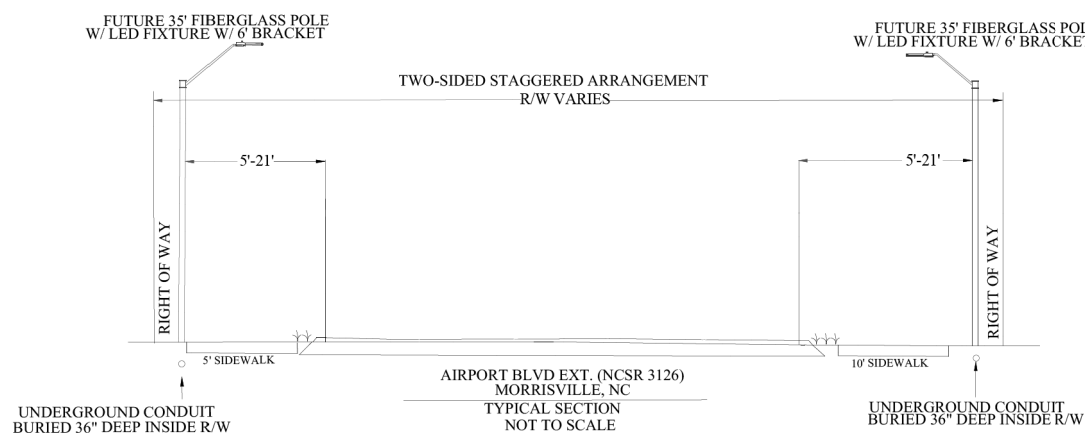
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

MATCHLINE TO SHEET E-2



	PROPOSED 2" ELECTRICAL CONDUIT, TYPE BURIED (BD)
	PROPOSED 2" ELECTRICAL CONDUIT, TYPE TRENCHLESS (TL)
	LIGHT POLE (BY OTHERS)
	FLUSH MOUNT PEDESTAL (BY OTHERS)

1. CONDUIT LAYOUT FOR DECORATIVE STREET LIGHTING ALONG AIRPORT BLVD EXTENSION (SR 3126)
2. 2 INCH STICK OR FLEX CONDUIT TO BE INSTALLED PER THE NOTED SETBACKS AT LEAST 36 INCHES DEEP WITHIN EASEMENT FROM THE EXISTING LIGHT POLES 144T16 AND 144T06 TO EACH OF THE PROPOSED LIGHT LOCATIONS. TURN UP CONDUIT AT EXISTING POLES AND PROPOSED LIGHT LOCATIONS.
3. ALL CONDUIT AND CONDUIT FITTING FOR STREET LIGHTING MUST BE SCHEDULE 40 PVC OR GREATER OR SDR 13.5 HDPE AND MUST BE 2 INCH IN DIAMETER. ALL CONDUIT BENDS/ELBOWS MUST HAVE A 36 INCH MINIMUM RADIUS.
4. INSTALL PULL STRING IN EACH SPAN OF CONDUIT. THE PULL STRING MUST EXTEND AT LEAST 36 INCHES OUTSIDE OF THE CAPPED OFF CONDUIT. ALL PULL STRING MUST BE MADE FROM A MATERIAL THAT WILL NOT ROT AND MUST NOT BE ACCIDENTALLY GLUED ANYWHERE INSIDE THE CONDUIT. CONTRACTOR WILL BE REQUIRED TO INSTALL NEW PULL STRING IN SEGMENTS OF CONDUIT WHERE THE INITIAL PULL STRING IS NOT USABLE.
5. CAP OFF ALL BURIED CONDUIT ENDS. ASSURE NO DIRT, DEBRIS, WATER OR OTHER FOREIGN MATTER IS PRESENT IN ANY CONDUIT SEGMENT. TAPE OR RAGS ARE NOT SUFFICIENT. PLUG MUST NOT BE CEMENTED TO THE CONDUIT.
6. REVIEW THE LIGHTING SPECIAL PROVISIONS FOR MORE DETAILS.
7. ALL LIGHTING AND UNDERGROUND SERVICE WILL BE INSTALLED BY OTHERS AND ARE NOT PART OF THIS PROJECT.
8. DISTANCES SHOWN ARE APPROXIMATE POLE TO POLE AND DO NOT INCLUDE ADDITIONAL CONDUIT REQUIRED FOR TURN UP AND STUB UP.
9. INSTALL CONDUIT UNDER PROPOSED SIDEWALK AT PROPOSED CULVERT.



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
 S - SIGNAGE REQUIREMENT P - PAVING REQUIREMENT H - HOUSING REQUIREMENT	72	Safety Reminders / Adverse Conditions 	W/S: REMEMBER "YOUR CIRCLE OF SAFETY" W/S: SET PROPER WORK ZONE-NEEDED W/S: SET PROPER SIGNS, CONES, AND BARRICADES W/S: REMEMBER WALK AROUNDS AND PRETRIP		
	73				
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.					

NO.	DATE	REVISION	BY

LIGHTING DESIGN TOLERANCE

The calculated footcandle light levels in this lighting design are predicted values and are based on specific information that has been supplied to Duke Energy. Any inaccuracies in the supplied information, differences in luminaire installation, lighted area geometry including elevation differences, reflective properties of surrounding surfaces, obstructions (foliage or otherwise) in the lighted area, or lighting from sources other than listed in this design may produce different results from the predicted values. Normal tolerances of voltage, lamp output, and ballast and luminaire manufacture will also affect results.



PROPRIETARY & CONFIDENTIAL

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CONDUIT ARRANGEMENT FOR AIRPORT BLVD. EXTENSION MORRISVILLE, NC			
Designed by	DUKE ENERGY PROGRESS LIGHTING SOLUTIONS		
Reviewed by	JON HENRY	Scale	
Date	12/19/2025	Size	Drawing size "D"
Description	WO# 60285458		
Drawing No.	N/A	Sht.	1 OF 2

2			
1			
Rev.	Date	Description	Approved
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN LIGHTING/ELECTRICAL SECTION			
CONDUIT ROUTING			
AIRPORT BLVD EXTENTION CONDUIT FOR FUTURE ROADWAY LIGHTING (SHEET 1 OF 2)			
WAKE COUNTY			
Drawn By: RGH		Approved By: SGK	
		Dwg No.:	

\$\$\$SYTIME\$\$\$DGN\$\$\$
 \$\$\$\$\$\$USERNAME\$\$\$