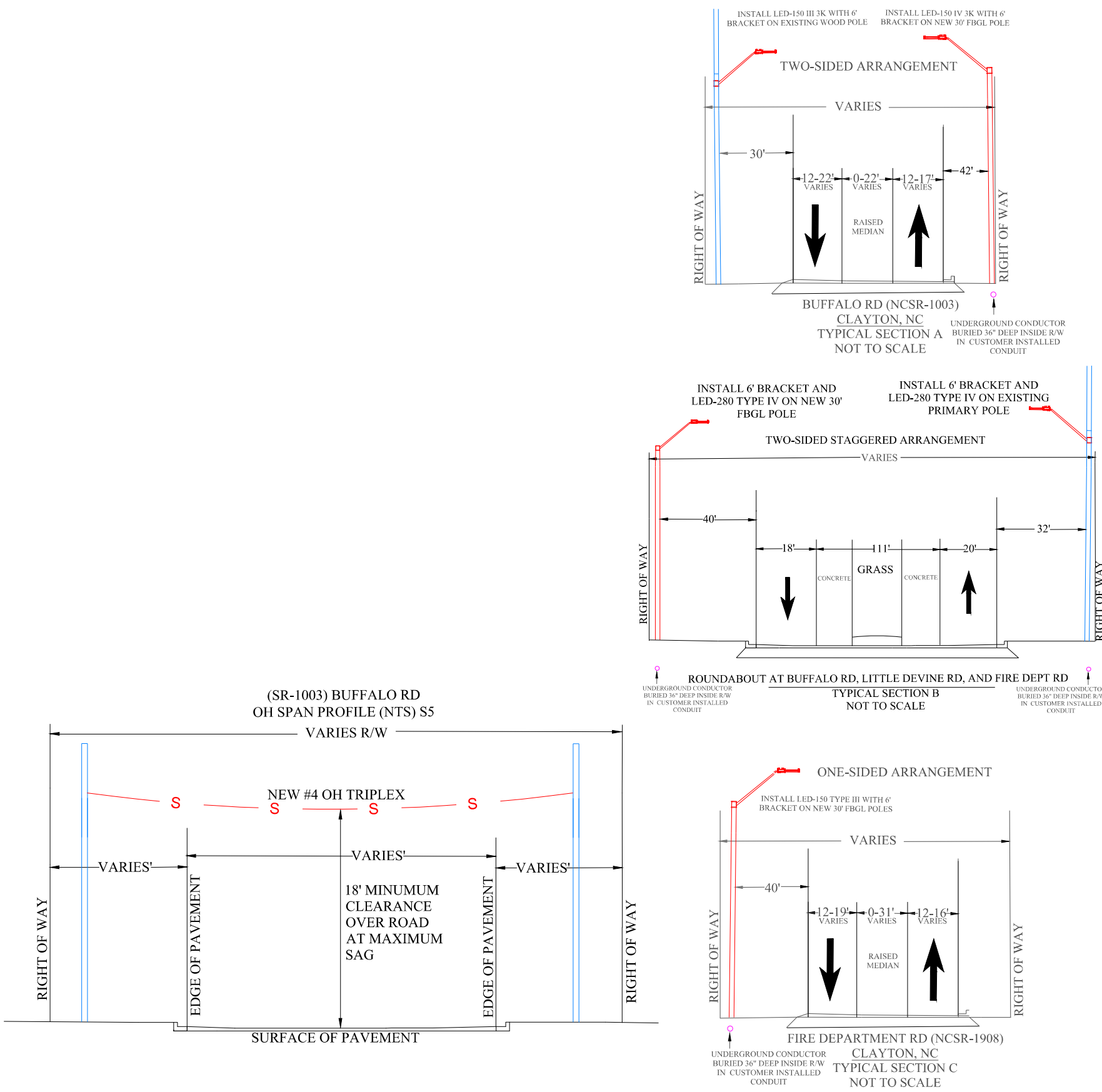
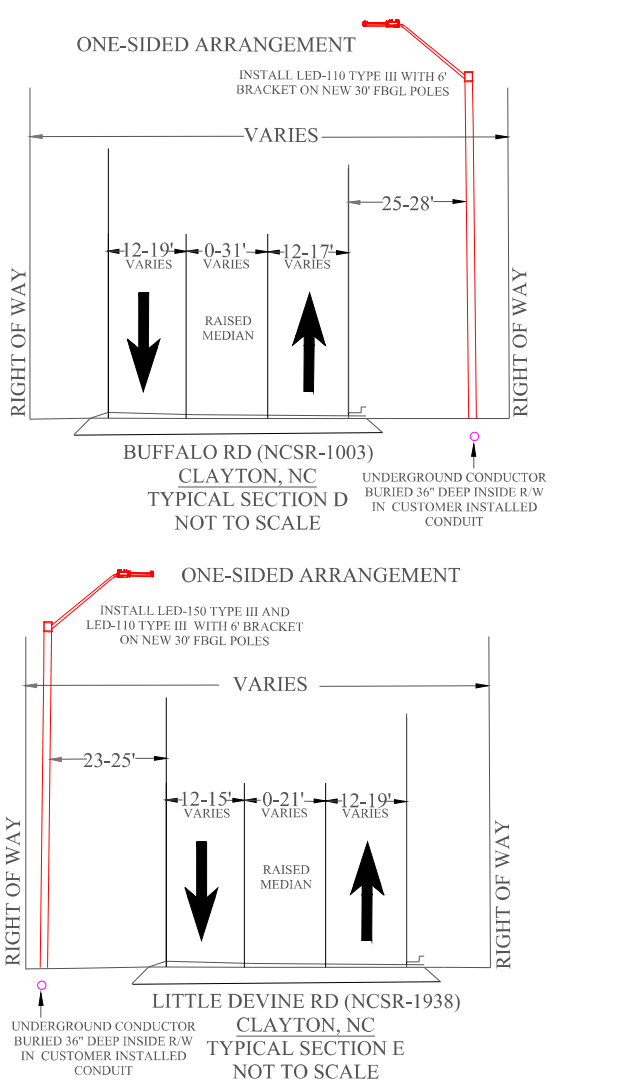


NOTES

1. CONDUIT LAYOUT FOR DECORATIVE STREET LIGHTING ALONG BUFFALO RD (SR-1003), LITTLE DEVINE RD (SR-1938), FIRE DEPARTMENT RD (SR-1908), AND THE ROUNDABOUT.
2. 2" STICK OR FLEX CONDUIT TO BE INSTALLED 22-42' FROM EDGE OF TRAVEL ON BUFFALO RD (SR-1003), 40' FROM EDGE OF TRAVEL ON FIRE DEPARTMENT RD (SR-1908), 17-23' FROM EDGE OF TRAVEL ON LITTLE DEVINE RD (SR-1938), AND 14-20' FROM EDGE OF TRAVEL IN THE ROUNDABOUT AT LEAST 36" DEEP WITHIN THE RIGHT OF WAY. INSTALL CONDUIT FROM EXISTING POLE P1-2W3J03 AND STUB UP AT EACH OF THE PROPOSED LIGHT LOCATIONS P2-P5. INSTALL CONDUIT FROM EXISTING 2W3J05 TO EACH OF THE REMAINING PROPOSED LIGHT LOCATIONS. SEE DESIGN FOR DETAILS.
3. ALL CONDUIT AND CONDUIT FITTING FOR STREET LIGHTING MUST BE SCHEDULE 40 PVC OR GREATER OR SDR13.5 HDPE AND MUST BE 2" DIAMETER. ALL CONDUIT BENDS/ELBOW MUST HAVE A 36" MINIMUM RADIUS.
4. INSTALL PULL STRING IN EACH SPAN OF CONDUIT. THE PULL STRING MUST EXTEND AT LEAST 36 INCHES OUTSIDE OF THE CAPPED OF CONDUIT. ALL PULL STRING MUST BE MADE FROM A MATERIAL THAT WILL NOT ROT AND MUST NOT BE ACCIDENTALLY GLUED ANYWHERE INSIDE THE CONDUIT. CUSTOMER 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 MATER IS PRESENT IN ANY CONDUIT SEGMENT. TAPE OR RAGES ARE NOT SUFFICIENT. PLUG MUST NOT BE CEMENTED TO THE CONDUIT.
6. REVIEW PAGES 4 & 5 OF THE "GUIDE FOR CUSTOMER INSTALLED CONDUIT" FOR MORE DETAILS.
7. PLEASE CONTACT DESIGNER AT 984-381-3869 ONCE CONDUIT INSTALLATION IS COMPLETE.



PROPOSED	EXISTING	REMOVE	ABANDON	LEGEND
				LED LUMINAIRE
				DECORATIVE LUMINAIRE
				FIBERGLASS/STEEL LIGHTING POLE
				WOOD POLE
				FOREIGN POLE
				TRANSFORMER (POLE MOUNTED)
				STREET LIGHT CIRCUIT UNDERGROUND
				PRIMARY CIRCUIT UNDERGROUND
				STREET LIGHT CIRCUIT OVERHEAD
				PRIMARY CIRCUIT OVERHEAD
				RIGHT OF WAY
				PROPERTY LINE
				INSTALL CONDUIT
				EXISTING CONDUIT
				EXISTING SPAN GUY
				ABOVE GROUND PEDESTAL
				FLUSH MOUNTED 15' X 23' PED
				PAD MOUNTED ENCLOSURE
				JUNCTION BOX
				TRANSFORMER (PAD MOUNTED)
				RECLOSER
				CABLE MARKER



FOR CONSTRUCTION DETAILS, REFER IN PARTICULAR TO THE FOLLOWING PE SPECIFICATION DRAWINGS

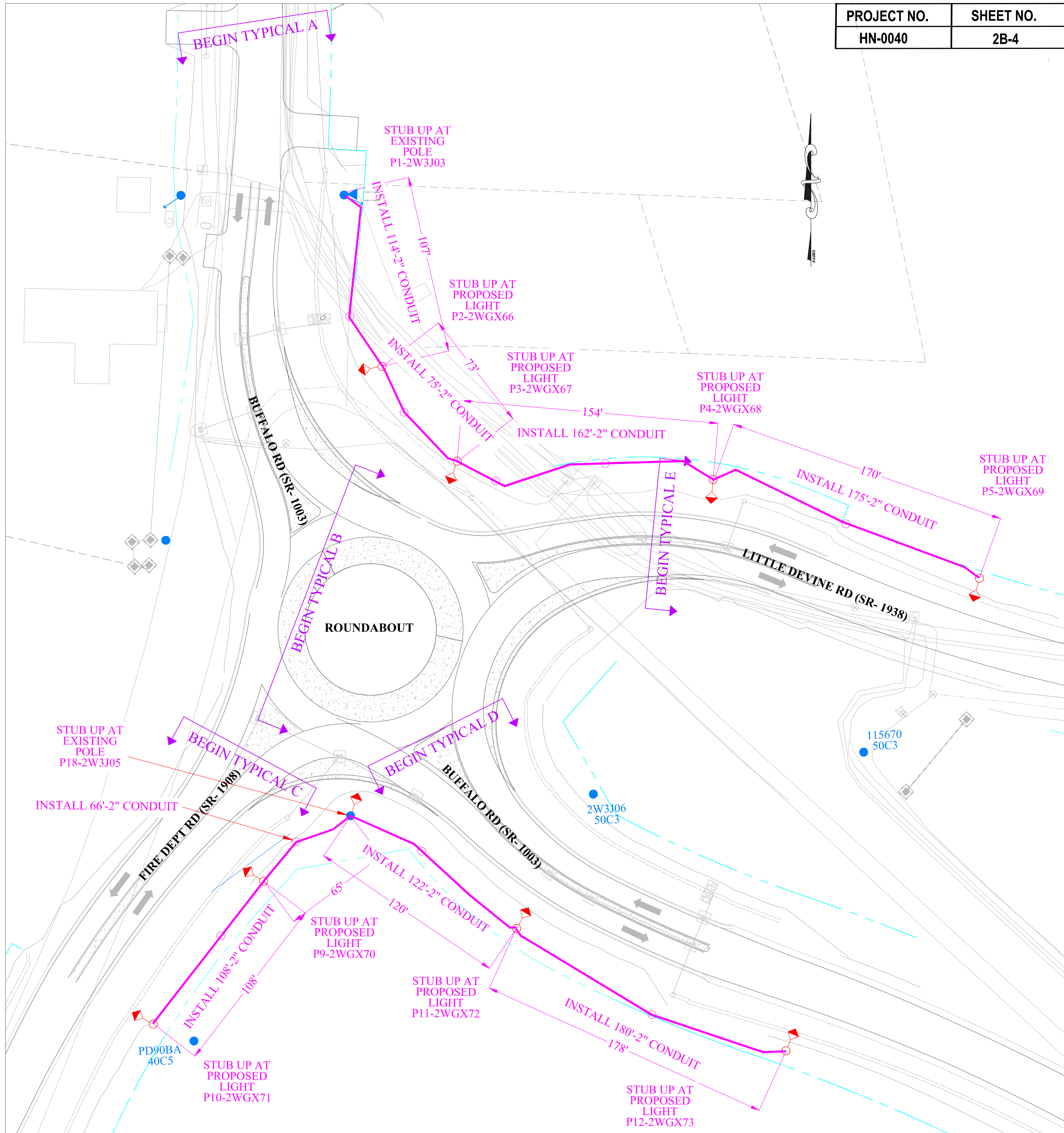
DRAWING NUMBER	DRAWING TITLE
30.08-101	GRAY FIBERGLASS POLE LIGHTING INSTALLATION
30.02-120	LIGHTING BRACKETS FOR STEEL (AND FIBERGLASS) POLES
21.01-100A-B	CONDUIT RISERS ON WOOD POLES
03.02-100	SECONDARIES AND SERVICES
30.08-100	MOUNTING HEIGHT FOR LUMINAIRES
22.10-101A-B	GUIDE FOR PULLING UNDERGROUND CABLE IN CONDUIT
25.06-112	SMALL FLUSH MOUNTED PEDESTAL TIER 22 TRAFFIC RATED

ROUNDABOUT	IES REQUIREMENTS	ACTUAL
OTHER PRINCIPAL ARTERIAL/COMMERCIAL		
Ave. Maint. FC:	0.9 MIN. 1.25	
Ave. / Min. Ratio:	3:1 MAX. 3:1	
Lv Ratio:	0.3:1 MAX. 0.25:1	
LIGHTING LEVELS CALCULATED USING ALADAN/LITEPRO		
MINIMUM CLEAR ZONE SETBACK: 16 FEET EOT (4' BKWY)		
ACTUAL SPEED LIMIT: 45 MPH		
AVG SPAN DISTANCE: 135 FEET		

(SR-1908) FIRE DEPARTMENT RD	IES REQUIREMENTS	ACTUAL
COLLECTOR/RESIDENTIAL		
Ave. Maint. FC:	0.6 MIN. 1.10	
Ave. / Min. Ratio:	4:1 MAX. 3.67:1	
Lv Ratio:	0.4:1 MAX. 0.12:1	
LIGHTING LEVELS CALCULATED USING ALADAN/LITEPRO		
MINIMUM CLEAR ZONE SETBACK: 24 FEET EOT (7' BKWY)		
ACTUAL SPEED LIMIT: 45 MPH		
AVG SPAN DISTANCE: 87 FEET		

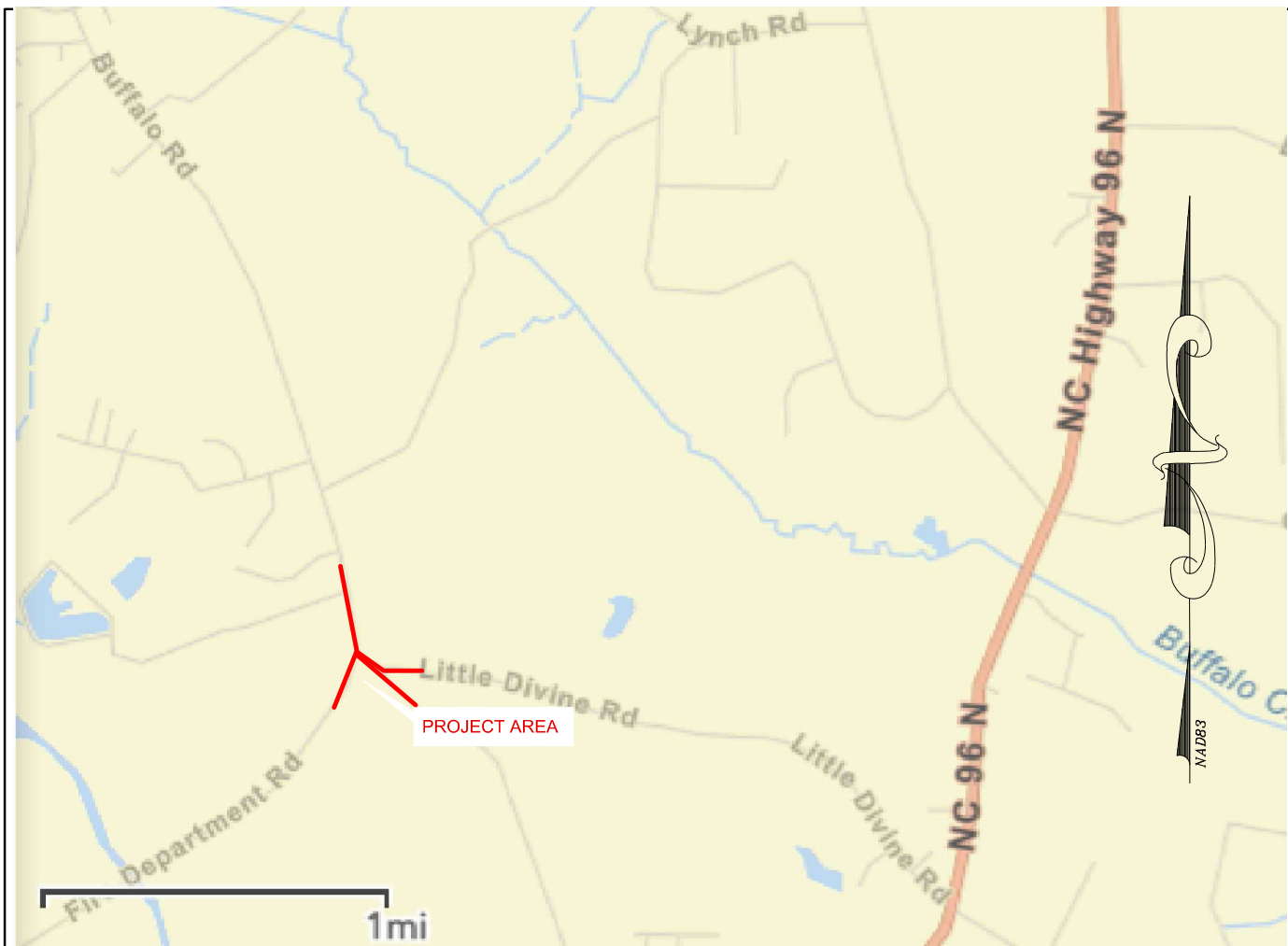
(SR-1938) LITTLE DEVINE RD	IES REQUIREMENTS	ACTUAL
COLLECTOR/RESIDENTIAL		
Ave. Maint. FC:	0.6 MIN. 1.10	
Ave. / Min. Ratio:	4:1 MAX. 3.67:1	
Lv Ratio:	0.4:1 MAX. 0.21:1	
LIGHTING LEVELS CALCULATED USING ALADAN/LITEPRO		
MINIMUM CLEAR ZONE SETBACK: 22 FEET EOT (7' BKWY)		
ACTUAL SPEED LIMIT: 45 MPH		
AVG SPAN DISTANCE: 162 FEET		

(SR-1003) BUFFALO RD	IES REQUIREMENTS	ACTUAL
MINOR ARTERIAL/RESIDENTIAL		
Ave. Maint. FC:	0.7 MIN. 1.10	
Ave. / Min. Ratio:	4:1 MAX. 3.7:1	
Lv Ratio:	0.3:1 MAX. 0.21:1	
LIGHTING LEVELS CALCULATED USING ALADAN/LITEPRO		
MINIMUM CLEAR ZONE SETBACK: 24 FEET EOT (7' BKWY)		
ACTUAL SPEED LIMIT: 45 MPH		
AVG SPAN DISTANCE: 135 FEET		



PROJECT NO.	SHEET NO.
HN-0040	2B-4

VICINITY MAP



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		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.	

WZS: REMEMBER "YOUR CIRCLE OF SAFETY"
WZS: SET PROPER WORK ZONE NEEDS
WZS: SET PROPER SIGNS, CONES, AND BARRICADES
WZS: REMEMBER WALK AROUNDS AND PRETRIP
WZS:



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 ARRANGMENT FOR	
(SR1938)LITTLE DEVINE,(SR1003)BUFFALO,(SR1908)FIRE DEPT SELMA/CLAYTON, NC	
Designed by	DUKE ENERGY PROGRESS LIGHTING SOLUTIONS
Reviewed by	MAGGIE AMBROSE
Date	4/16/2026
Description	WO 59714993
Drawing No.	14993
Sht.	1 OF 1

Designer: Maggie Ambrose
(984) 381-3869
Project Manager: Stacy Kromko
(984) 255-3436

NO.	DATE	REVISION	BY