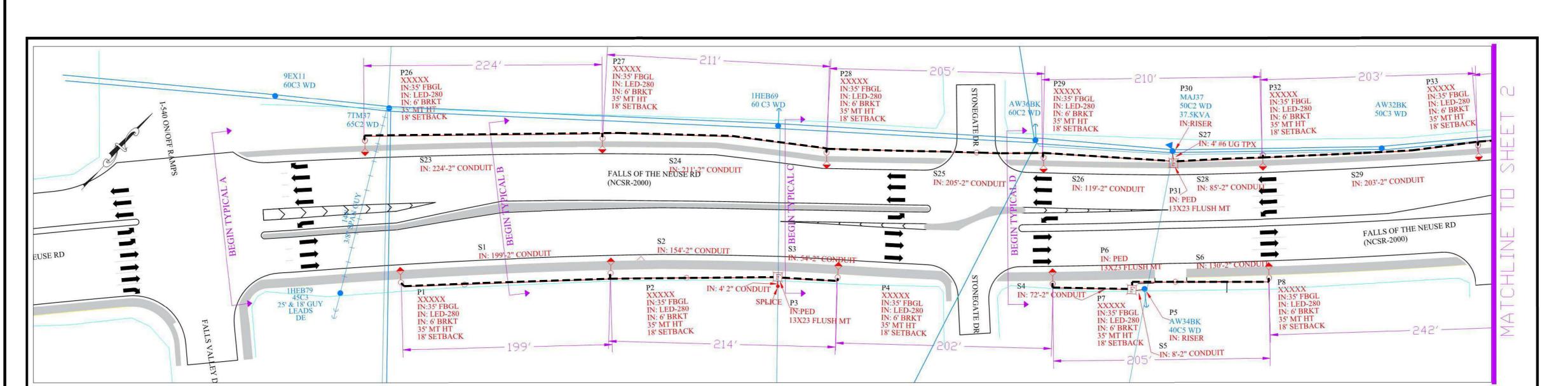


LEGEND

2" PVC CONDUIT FURNISHED BY DUKE ENERGY AND TO BE INSTALLED BY CONTRACTOR FOR FUTURE DUKE ENERGY LIGHTING ALONG FALLS OF NEUSE ROAD



USE FOR LIGHTING CONSTRUCTION ONLY

## **NOTES**

- 1. LIGHTING LEVELS ARE BASED ON TWO-SIDED STAGGERED ARRANGEMENT LIGHTING FOR THE ROADWAY
- 3. ALL LIGHTING WITH UNDERGROUND SERVICE WILL BE INSTALLED ON NEW FIBERGLASS POLES LOCATED INSIDE OF ROAD R/W.
- 4. MOUNTING HEIGHT FOR LIGHTING FIXTURES: 35' WITH 6' BRACKET ON NEW FIBERGLASS POLES.
- 5. MINIMUM SETBACK OF NEW LIGHTING POLES 12' FROM EDGE OF TRAVEL LANE. DESIGN SETBACK IS 18'. SEE DRAWING FOR DETAILS.
- 6. ALL POWER SOURCES WILL BE FROM DUKE ENERGY-PROGRESS FACILITIES.
- 7. ALL CONSTRUCTION WILL COMPLY WITH NESC REQUIREMENTS AND DUKE ENERGY-PROGRESS SPECIFICATIONS. REFER TO THE DUKE ENERGY-PROGRESS
- 8. THIS IS AN NCDOT ROADWAY. APPROVED NCDOT ENCROACHMENT MUST BE ON-SITE DURING CONSTRUCTION

**REVISION** 

## FALLS OF NEUSE RD (NCSR-2000).

AVG SPAN DISTANCE: 199 FEET

IES REQUIREMENTS	ACTUAL		
MINOR ARTERIAL/COM	MERCIA	AL.	HUTUHL
AVE. MAINT. FC :	1.4	MIN.	1.37
AVE. / MIN. RATIO :	4:1	MAX.	3.64
VEIL. LUM. MAX RATIO	0.3:1	MAX.	0.3

LIGHTING LEVELS CALCULATED USING ALADAN/LITEPRO ACTUAL SPEED LIMIT: 45 MPH

## PE SPECIFICATION DRAWINGS

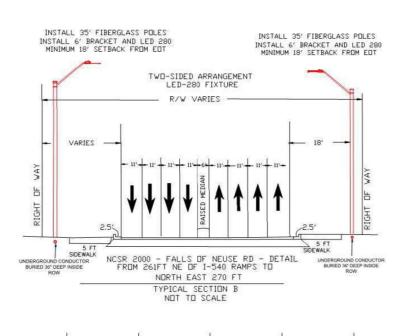
FOR CONSTRUCTION DETAILS, REFER TO THE FOLLOWING

DRAWING NUMBER	DRAWING TITLE
30.02-104	LIGHTING BRACKETS FOR STEEL (AND FIBERGLASS) POLES
30.00-15	MOUNTING HEIGHT FOR LUMINAIRES
30.09-01	FIBERGLASS POLE LIGHTING DETAILS

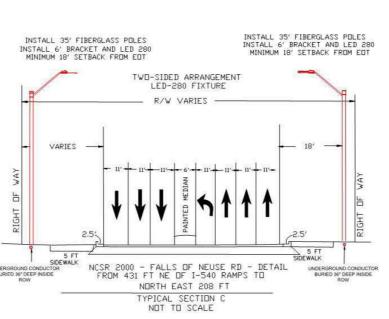
A			
7	<b>*</b>	<b>*</b>	LED LUMINARE
	-	-	DECORATIVE LUMINARE
0	0	0	FIBERGLASS/STEEL LIGHTING POLE
	•	•	WOOD POLE
0	0	0	FORIEGN POLE
	<b>&gt;</b>		TRANSFORMER (POLE MOUNTED)
_U_	-u-	_U_	STREET LIGHT CIRCUIT UNDERGROUND
-2-	-2-	-2-	STREET LIGHT CIRCUIT DVERHEAD
_P_	P	_P_	DH PRIMARY CIRCUIT
-			ROW/PROPERTY LINES
F	耳	耳	SECONDARY FLUSH MOUNT PEDESTAL
			TRANSFORMER (PAD MOUNTED)
			CONDUIT
	-U	<ul> <li>T</li> <li>T</li> <li>O</li> <li>O</li></ul>	O O O O O O O O O O O O O O O O O O O

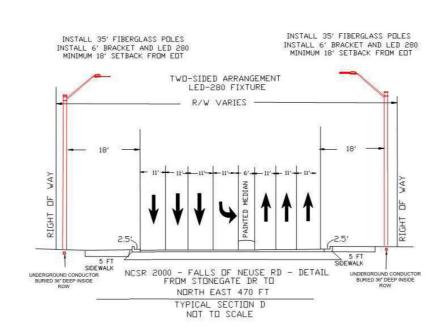
PROPOSED EXISTING REMOVE ABANDON

-		LED-280 AR LED-280 — R/W VAR	FIXTURE		7
- VARIE	s -			18'	_
UF WAY	- 11'-	n' + n' + n' + n	ME DI AN	+-n	73
RIGHT	2.55		RAISED ME	2.5'	



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	PROGR	E99	D

PROPRIETARY & CONFIDENTIAL
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STREET LIGHTING AF	RANGE	EMENT FOR
FALLS OF THE NEUSE (NCSI	R-2000) I-5	540 TO DURANT
RALEIGH		
Designed by DUKE ENERGY PRO	OGRESS I	LIGHTING SOLU
Reviewed by CHARLES JONES		1" = 40'
Date2-18-2020	_ Size_	Drawing size "D
Description WR 34443477		
Drawing No. U-5826		Sht. 1 OF

NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION LIGHTING/ELECTRICAL SECTION ROADWAY DESIGN

LIGHTING LAYOUT ELECTRICAL CONDUIT SYSTEM

WAKE COUNTY

02-MAR-2020 |4:23 R:\LıghtıngElectrıcal\Lıg labrown1 AT RD-304554

NO. DATE