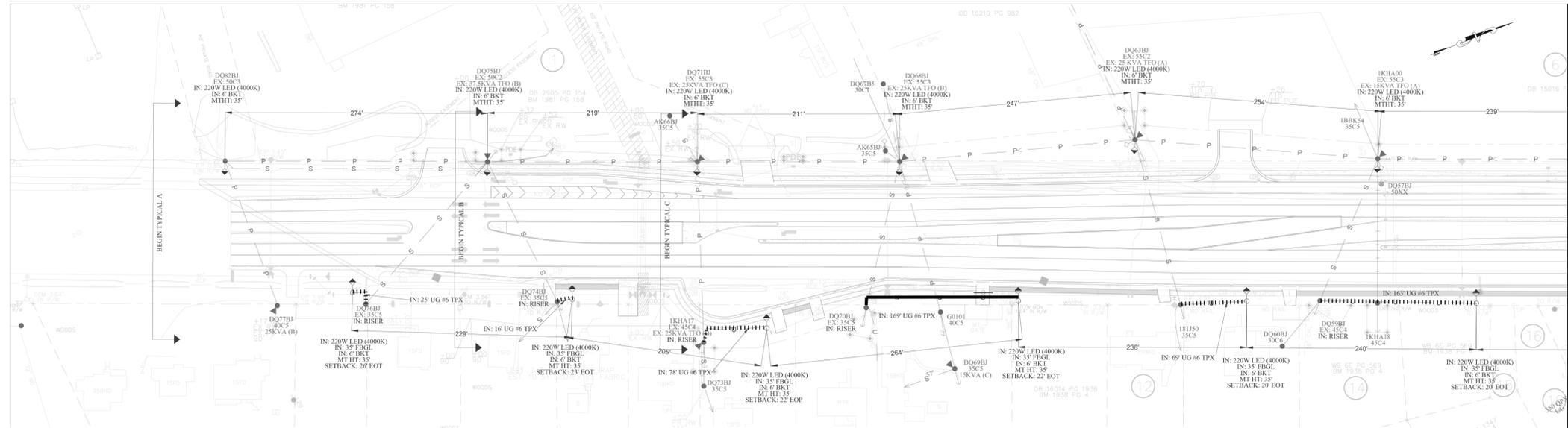


DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

USE FOR CONDUIT INSTALLATION ONLY

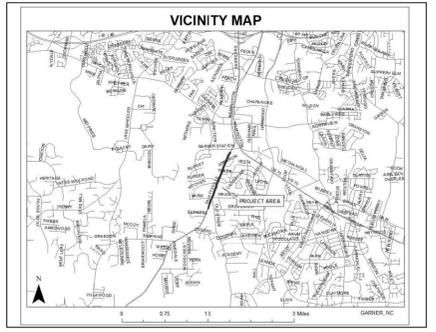
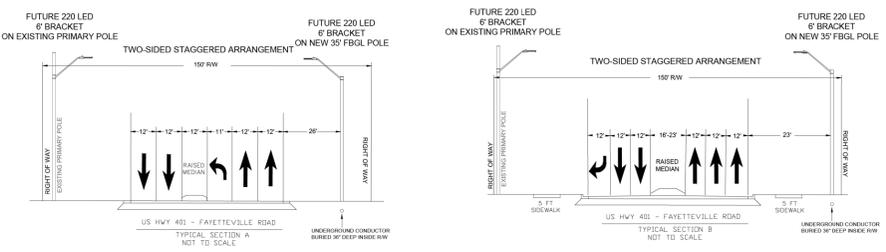


MATCHLINE TO SHEET ECS-2

NTS

**GENERAL NOTES**

- 2 INCH STICK OR FLEX CONDUIT TO BE INSTALLED PER THE NOTED SETBACKS AT LEAST 36 INCHES DEEP TO EACH OF THE PROPOSED LIGHT LOCATIONS. TURN UP CONDUIT AT EXISTING POLES, PROPOSED LIGHT LOCATIONS AND PROPOSED PEDESTAL LOCATIONS.
- 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.
- 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.
- 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.
- REVIEW THE LIGHTING SPECIAL PROVISIONS FOR MORE DETAILS.
- ALL LIGHTING AND UNDERGROUND SERVICE WILL BE INSTALLED BY OTHERS AND ARE NOT PART OF THIS PROJECT.
- DISTANCES SHOWN ARE APPROXIMATE POLE TO POLE AND DO NOT INCLUDE ADDITIONAL CONDUIT REQUIRED FOR TURN UP AND STUB UP.



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**

**SAFETYFirst**

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

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.

**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.

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**STREET LIGHTING ARRANGEMENT FOR US-401 (FAYETTEVILLE ROAD) (U-5302)**

GARNER, NC

Designed by DUKE ENERGY PROGRESS LIGHTING SOLUTIONS

Reviewed by WILLIAM MCLEAN Scale

Date 11/11/2022 Size Drawing size "D"

Description WO 30910101

Drawing No. 910101 Sht. 1 OF 4

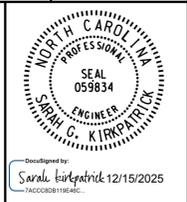
NO.	DATE	REVISION	BY

**LEGEND**

- ..... 2" PVC CONDUIT BURIED FURNISHED BY AND INSTALLED BY CONTRACTOR FOR FUTURE DUKE ENERGY LIGHTING ALONG US 401 IN GARNER.
- 2" PVC CONDUIT TRENCHLESS FURNISHED BY AND INSTALLED BY CONTRACTOR FOR FUTURE DUKE ENERGY LIGHTING ALONG US 401 IN GARNER.
- ⊕ LIGHT POLES BY OTHERS
- ⊕ EXISTING LIGHT POLES
- ⊕ PEDESTALS BY OTHERS

2			
1			
Rev.	Date	Description	Approved
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN LIGHTING/ELECTRICAL SECTION <b>LIGHTING LAYOUT</b> ELECTRICAL CONDUIT SYSTEM US 401 FAYETTEVILLE RD. GARNER WAKE COUNTY			
Drawn By:	Approved By:	Dwg No.:	

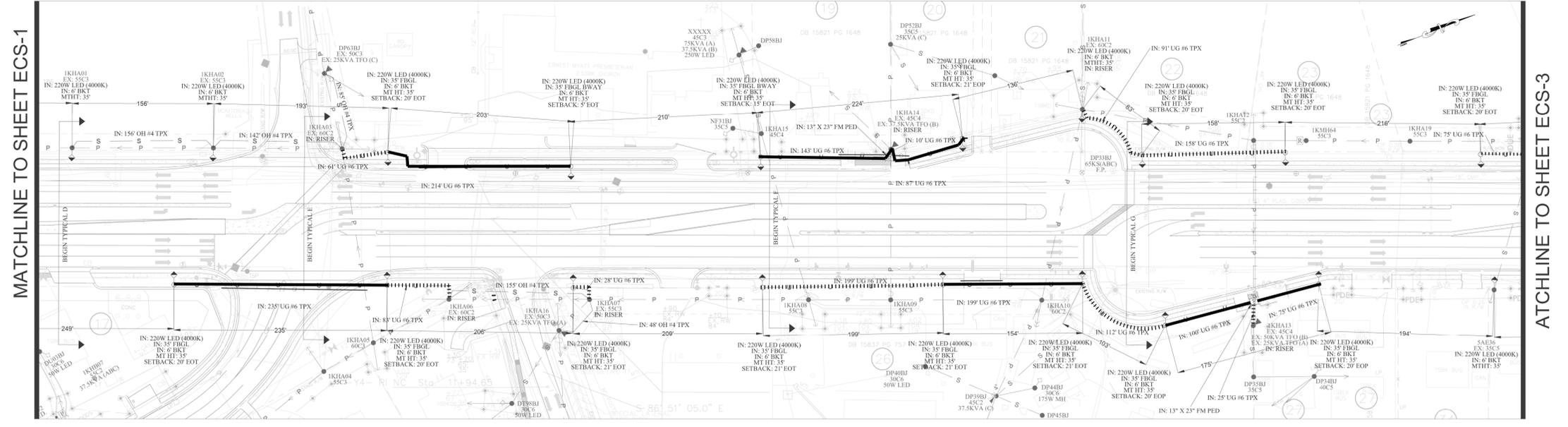
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UNLESS ALL SIGNATURES COMPLETED

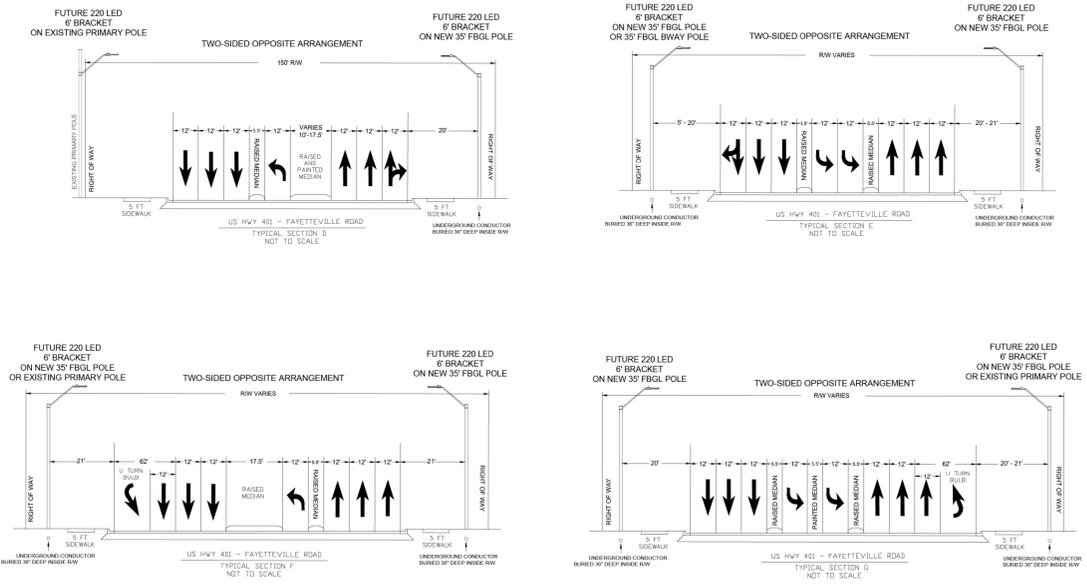
NTS

**USE FOR CONDUIT INSTALLATION ONLY**



MATCHLINE TO SHEET ECS-1

ATCHLINE TO SHEET ECS-3



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	
<p><b>SAFETYfirst</b></p> <p>7: PERSONAL ACCOUNTABILITY</p> <p>7: ACTIVE CAREER</p> <p>7: HAZARD RECOGNITION</p>	<p><b>W2:</b> REMEMBER "YOUR CIRCLE OF SAFETY"</p> <p><b>W2:</b> SET PROPER WORK ZONE NEEDED</p> <p><b>W2:</b> SET PROPER SIGNS, CONES, AND BARRICADES</p> <p><b>W2:</b> REMEMBER WALK AROUNDS AND PRETRIP</p>

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.

**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 (tall or other) 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.

**DUKE ENERGY PROGRESS**

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STREET LIGHTING ARRANGEMENT FOR US-401 (FAYETTEVILLE ROAD) (U-5302)	
GARNER, NC	
Designed by	DUKE ENERGY PROGRESS LIGHTING SOLUTIONS
Reviewed by	WILLIAM MCLANE Scale
Date	11/11/2022 Size Drawing size "D"
Description	WO 30910101
Drawing No.	910101 Sh. 2 OF 4

NO.	DATE	REVISION	BY

**LEGEND**

- ..... 2" PVC CONDUIT BURIED FURNISHED BY AND INSTALLED BY CONTRACTOR FOR FUTURE DUKE ENERGY LIGHTING ALONG US 401 IN GARNER.
- \_\_\_\_\_ 2" PVC CONDUIT TRENCHLESS FURNISHED BY AND INSTALLED BY CONTRACTOR FOR FUTURE DUKE ENERGY LIGHTING ALONG US 401 IN GARNER.
- ⬆      LIGHT POLES BY OTHERS
- ⬆      EXISTING LIGHT POLES
- ⌈      PEDESTALS BY OTHERS

2			
1			
Rev.	Date	Description	Approved
<b>NORTH CAROLINA DEPARTMENT OF TRANSPORTATION</b> ROADWAY DESIGN LIGHTING/ELECTRICAL SECTION <b>LIGHTING LAYOUT</b> <b>ELECTRICAL CONDUIT SYSTEM</b> <b>US 401 FAYETTEVILLE RD.</b> <b>GARNER</b> <b>WAKE COUNTY</b>			
Drawn By:	Approved By:	Dwg No.:	

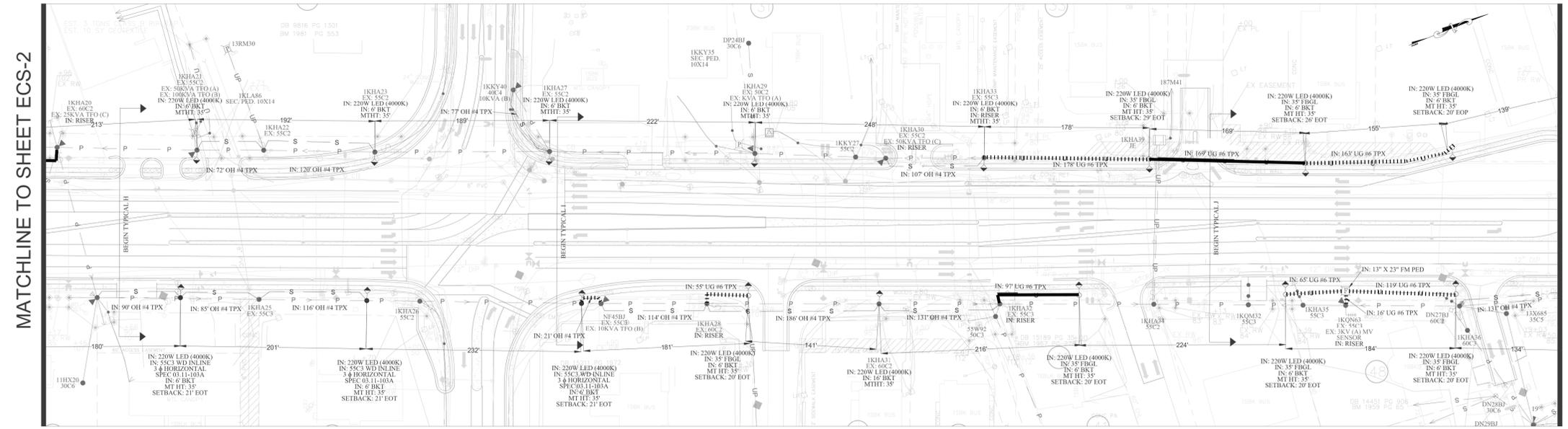
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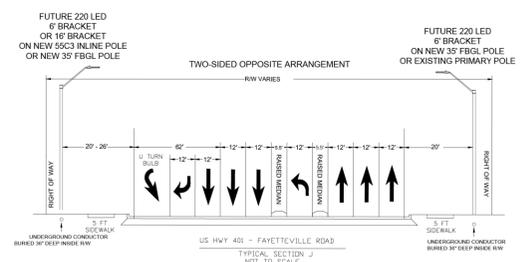
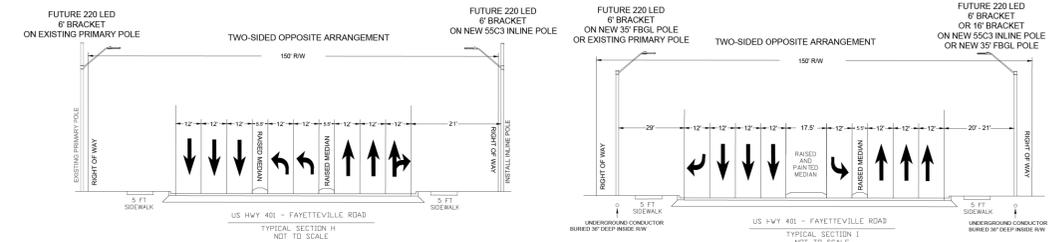
NTS

USE FOR CONDUIT INSTALLATION ONLY



MATCHLINE TO SHEET ECS-2

MATCHLINE TO SHEET ECS-4



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**

**SAFETY** First  
 1. PERSONAL ACCOUNTABILITY  
 2. WEAR CHAINS  
 3. WEAR RESISTANCE

**WZS:** REMEMBER "YOUR CIRCLE OF SAFETY"  
**WZS:** SET PROPER WORK ZONE NEEDED  
**WZS:** REMEMBER WALK AROUNDS AND PRETRIP  
**WZS:** 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.

**LIGHTING DESIGN TOLERANCE**  
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**STREET LIGHTING ARRANGEMENT FOR US-401 (FAYETTEVILLE ROAD) (U-5302)**  
 GARNER, NC  
 Designed by DUKE ENERGY PROGRESS LIGHTING SOLUTIONS  
 Reviewed by WILLIAM MCLEAN Scale  
 Date 11/11/2022 Size Drawing size "D"  
 Description WO 30910101  
 Drawing No. 910101 Sh. 3 OF 4

NO.	DATE	REVISION	BY

LEGEND

- ..... 2" PVC CONDUIT BURIED FURNISHED BY AND INSTALLED BY CONTRACTOR FOR FUTURE DUKE ENERGY LIGHTING ALONG US 401 IN GARNER.
- 2" PVC CONDUIT TRENCHLESS FURNISHED BY AND INSTALLED BY CONTRACTOR FOR FUTURE DUKE ENERGY LIGHTING ALONG US 401 IN GARNER.
- ⊙ LIGHT POLES BY OTHERS
- ⊕ EXISTING LIGHT POLES
- ⊠ PEDESTALS BY OTHERS

2			
1			
Rev.	Date	Description	Approved
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN LIGHTING/ELECTRICAL SECTION <b>LIGHTING LAYOUT</b> <b>ELECTRICAL CONDUIT SYSTEM</b> <b>US 401 FAYETTEVILLE RD.</b> <b>GARNER</b> <b>WAKE COUNTY</b>			
Drawn By:	Approved By:	Dwg No.:	

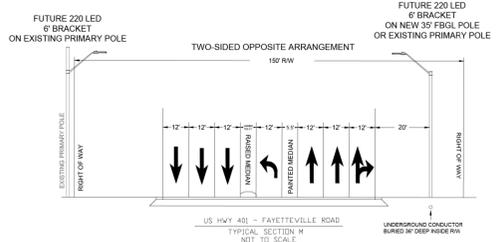
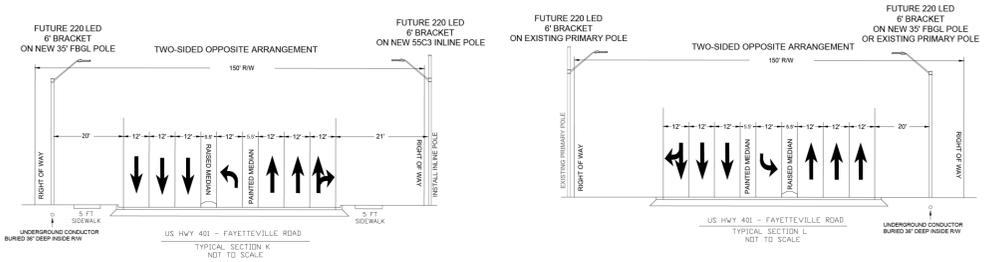
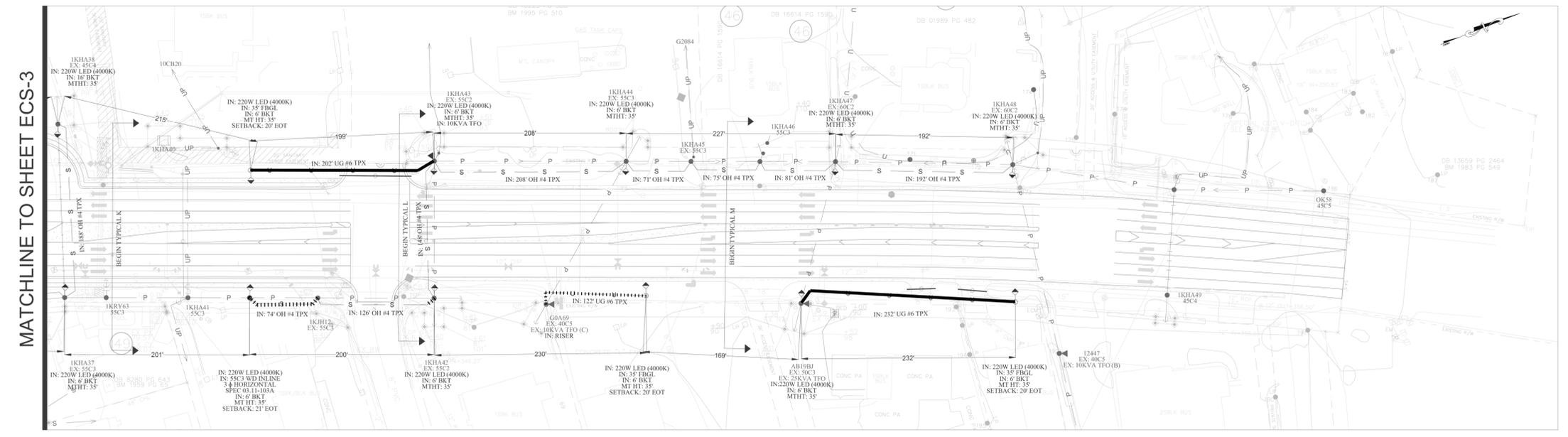
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NTS

USE FOR CONDUIT INSTALLATION ONLY



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**

**SAFETYFIRST**  
7: 7: 7:  
7: 7: 7:  
7: 7: 7:

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

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**STREET LIGHTING ARRANGEMENT FOR US-401 (FAYETTEVILLE ROAD) (U-5302) GARNER, NC**

Designed by DUKE ENERGY PROGRESS LIGHTING SOLUTIONS  
Reviewed by WILLIAM MCLEAN  
Date 11/11/2022 Size Drawing size "D"  
Description WO 30910101  
Drawing No. 910101 Shr. 4 OF 4

NO.	DATE	REVISION	BY

LEGEND

- ..... 2" PVC CONDUIT FURNISHED BY AND INSTALLED BY CONTRACTOR FOR FUTURE DUKE ENERGY LIGHTING ALONG US 401 IN GARNER.
- 2" PVC CONDUIT TRENCHLESS FURNISHED BY AND INSTALLED BY CONTRACTOR FOR FUTURE DUKE ENERGY LIGHTING ALONG US 401 IN GARNER.
- ⬆ 0 ⬆ LIGHT POLES BY OTHERS
- ⬆ ⬆ EXISTING LIGHT POLES
- ⌈ ⌋ PEDESTALS BY OTHERS

Rev.	Date	Description	Approved
2			
1			

NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN LIGHTING/ELECTRICAL SECTION

**LIGHTING LAYOUT**  
ELECTRICAL CONDUIT SYSTEM  
US 401 FAYETTEVILLE RD.  
GARNER  
WAKE COUNTY

Drawn By:	Approved By:	Dwg No.:
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\$\$\$\$\$SYSTIME\$\$\$\$\$  
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