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STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

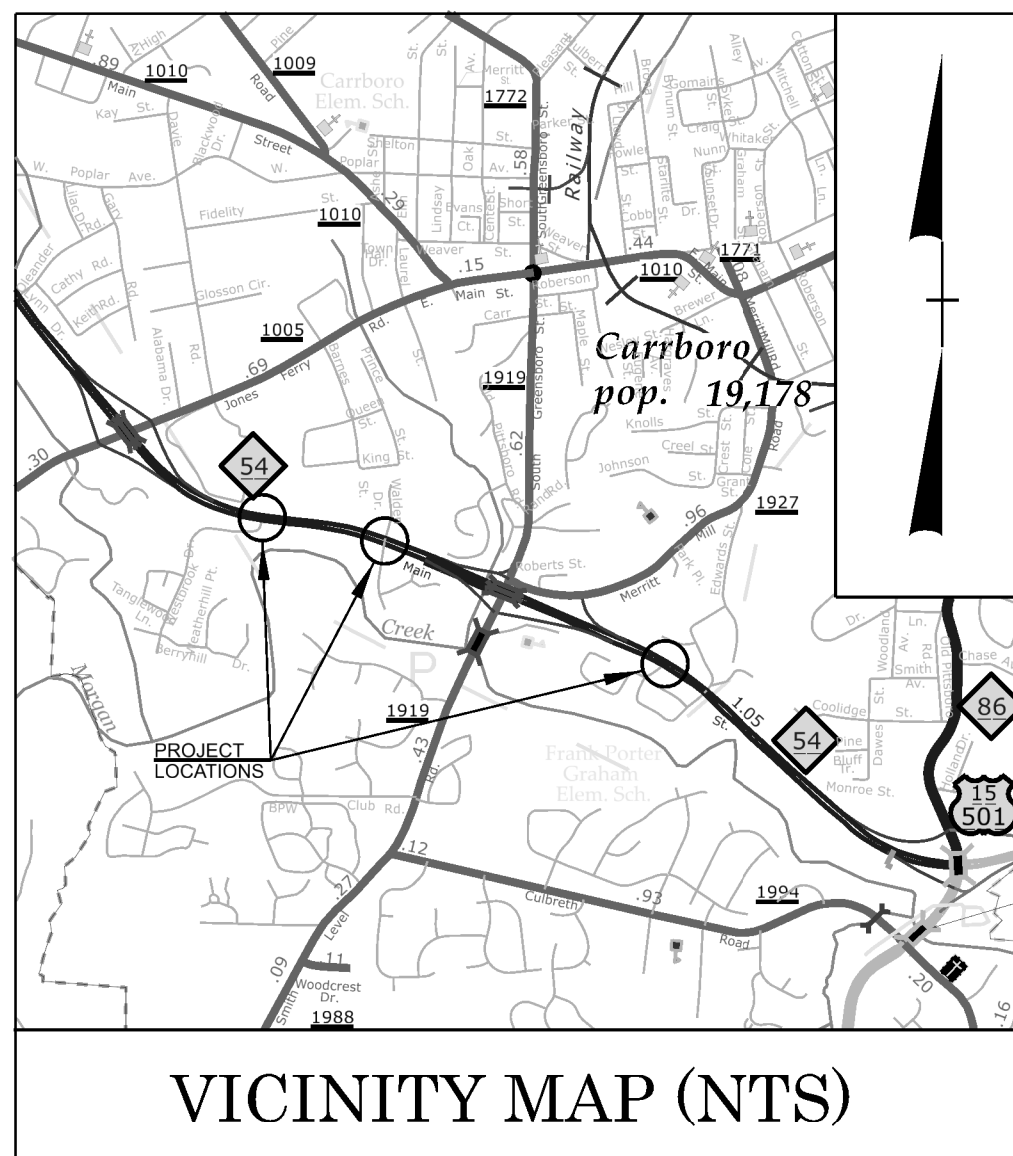
**UTILITIES BY OTHERS PLANS  
ORANGE COUNTY**

**LOCATION: NC HWY 54 AT INTERSECTIONS WESTBROOK DR.,  
ABBEY LN., AND KINGSWOOD APT., IN CARRBORO  
AND CHAPEL HILL**

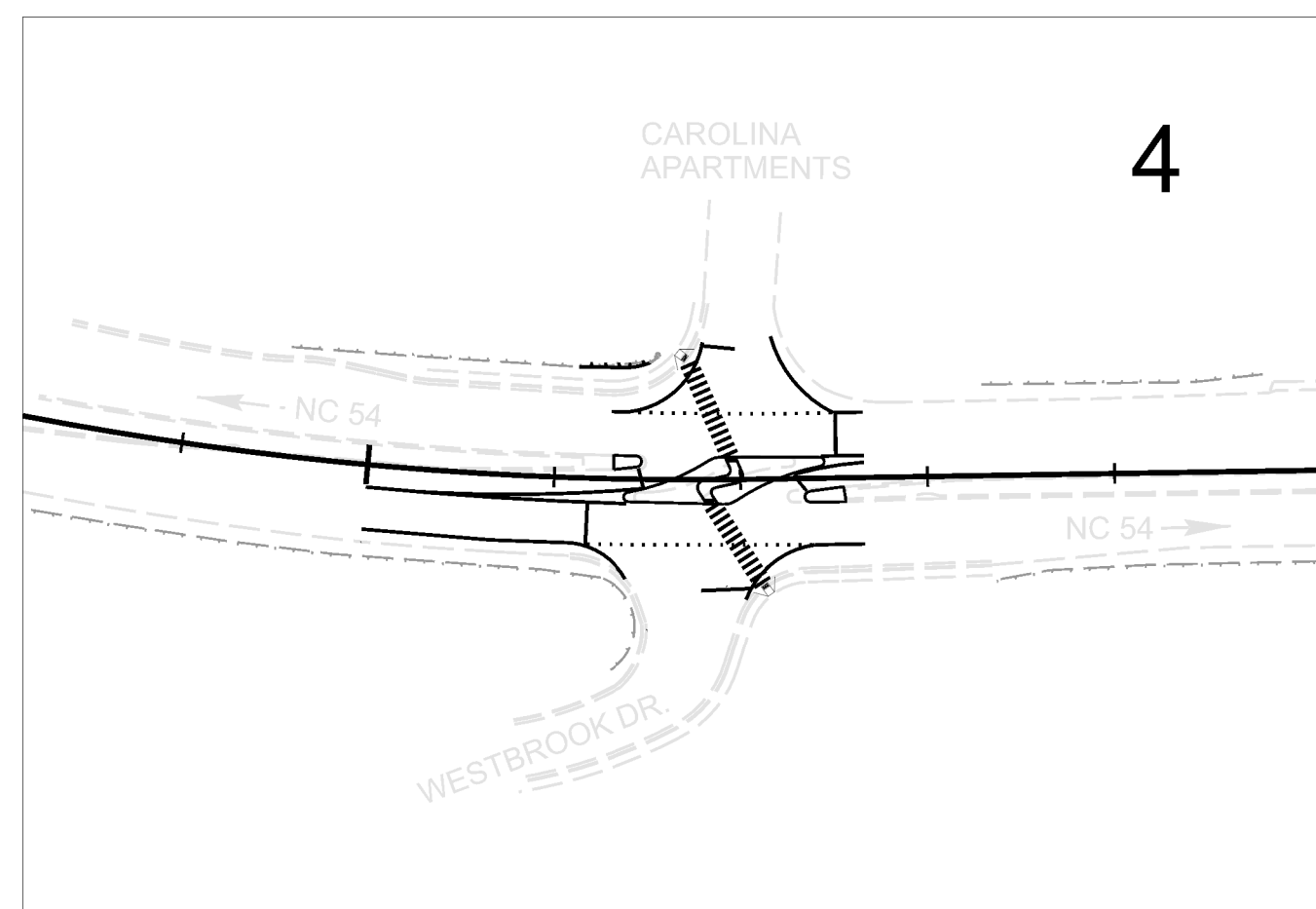
**TYPE OF WORK: UTILITY RELOCATION**

T.I.P. NO.	SHEET NO.
BL-0044	UO-1

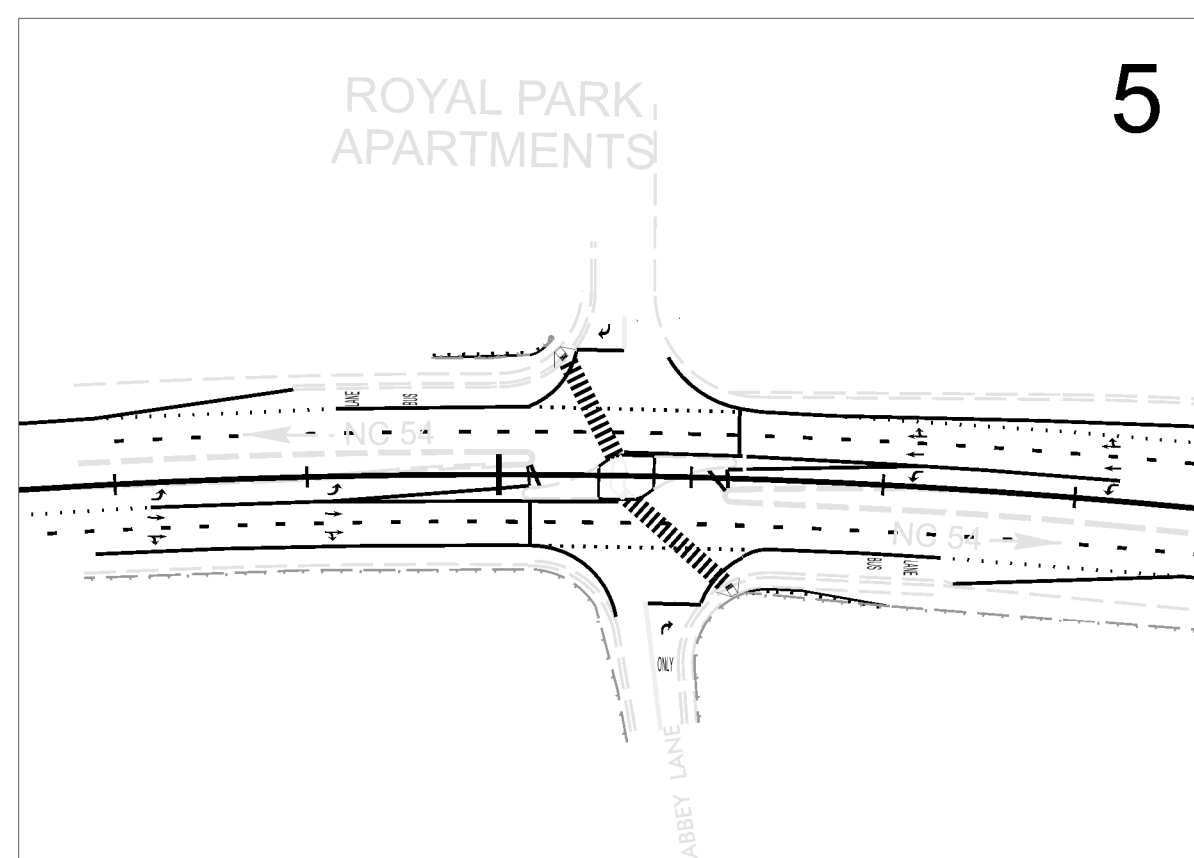
NOTE:  
ALL UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR UTILITY WORK SHOWN ON THIS SHEET.



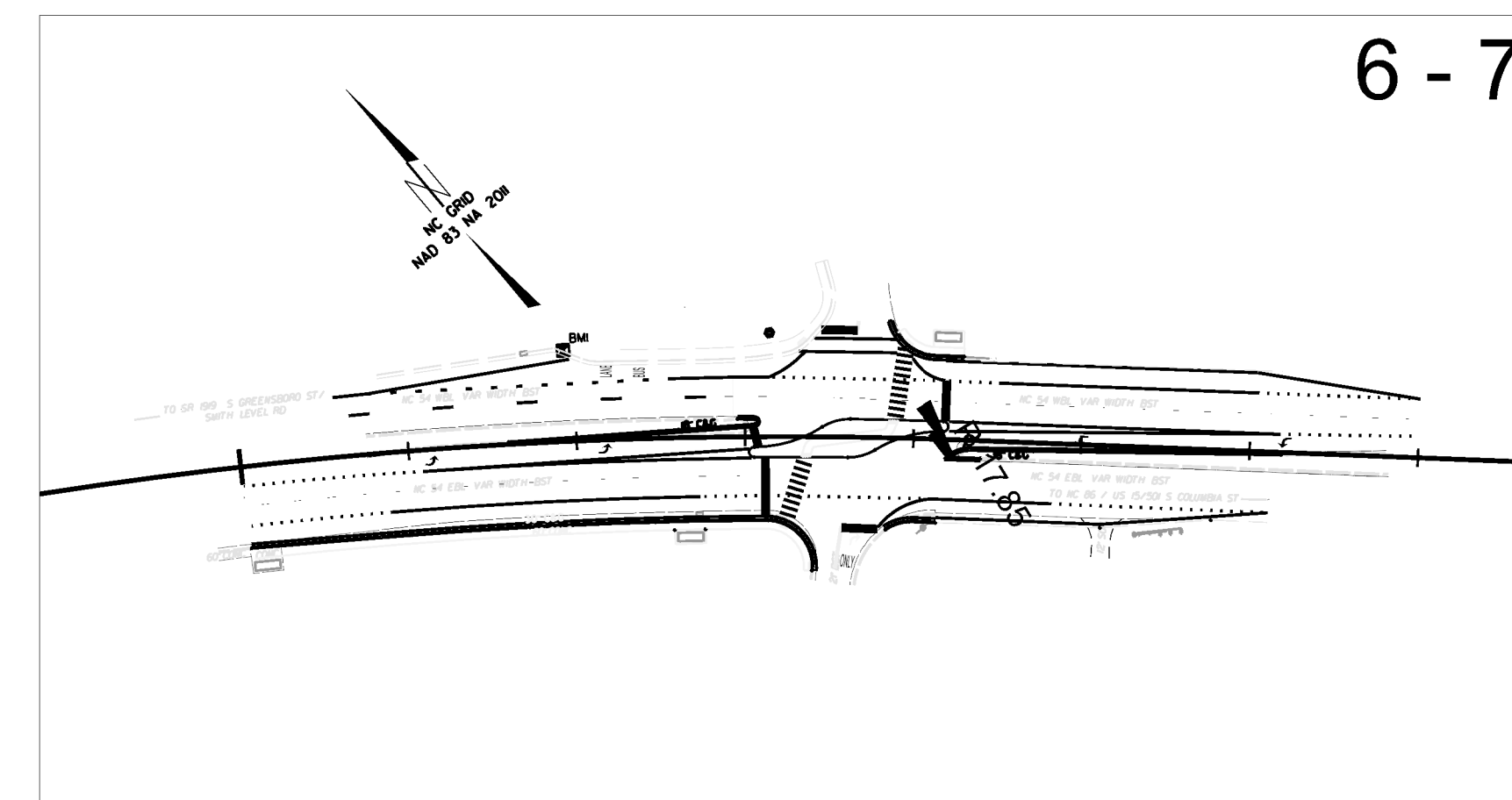
WESTBROOK DR.



ABBEY LN.



KINGSWOOD APARTMENTS



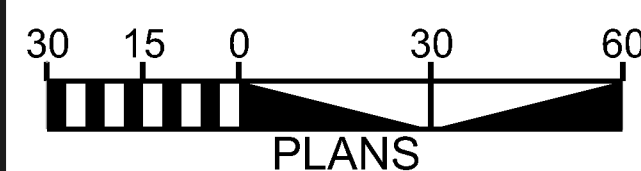
\*DRAWINGS NOT TO SCALE\*

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

TIP PROJECT: BL-0044

CONTRACT: DG00658

GRAPHIC SCALES



INDEX OF SHEETS

SHEET NO.:	DESCRIPTION:
UC-1	TITLE SHEET
UO-2 THRU UO-4	UTILITY BY OTHERS SHEETS

UTILITY OWNERS WITH CONFLICTS

- (A) POWER - DUKE ENERGY
- (B) COMMUNICATIONS - AT&T
- (C) COMMUNICATIONS - GOOGLE
- (D) COMMUNICATIONS - MCI (VERIZON)

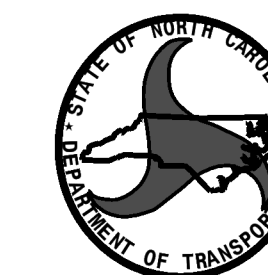
Prepared in the Office of:  
**DIVISION 7 DDC**

1584 Yanceyville Street, Greensboro, NC 27357

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: N/A  
TRUNG NGUYEN, MS, PE  
PROJECT ENGINEER

LETTING DATE: JAMES B. YATES, MS, PE  
PROJECT DESIGN ENGINEER



DIVISION OF HIGHWAYS  
DIVISION 7 UTILITIES UNIT  
1584 YANCEYVILLE STREET  
GREENSBORO, NC 27405  
PHONE (336) 487-0000

BRIAN KETNER, PE PROJECT TEAM LEAD  
JAMES YATES, MS, PE DIVISION UTILITIES ENGINEER  
VACANT ASSISTANT UTILITIES ENGINEER  
CODY LUNGRIN UTILITIES COORDINATOR



1/0 AL TRIPLEX CABLE THAT IF NEEDED IT CAN BE DE-ENERGIZED/DROP WHILE PERFORMING THE WORK ON THAT AREA. JUST NEED TO COMMUNICATE WITH US TO GET IT TAKEN CARE OF.

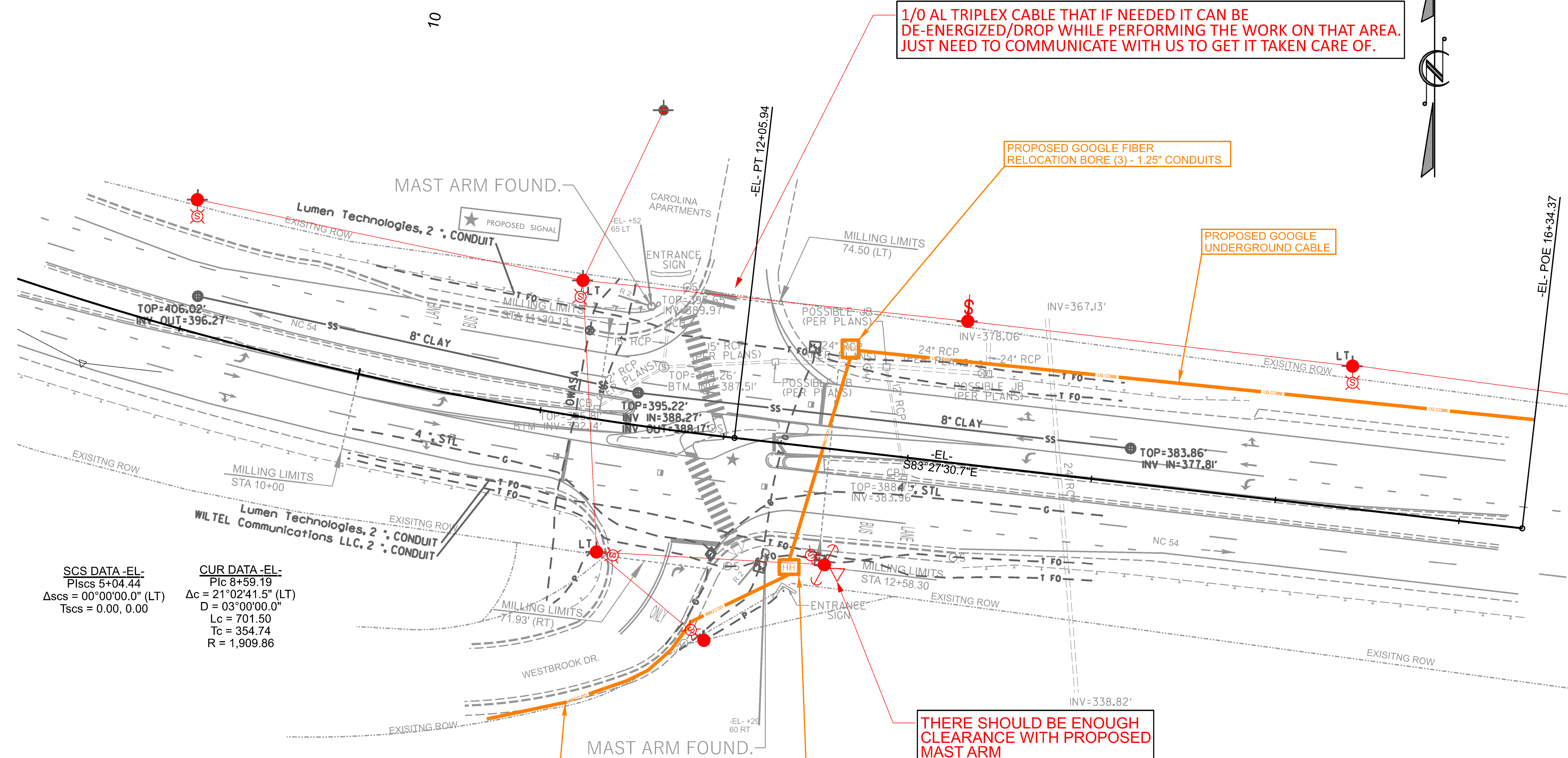
PROPOSED GOOGLE FIBER RELOCATION BORE (3) - 1.25" CONDUITS

PROPOSED GOOGLE UNDERGROUND CABLE

PROPOSED GOOGLE UNDERGROUND CABLE

PROPOSED GOOGLE FIBER TO INSTALL HH

THERE SHOULD BE ENOUGH CLEARANCE WITH PROPOSED MAST ARM



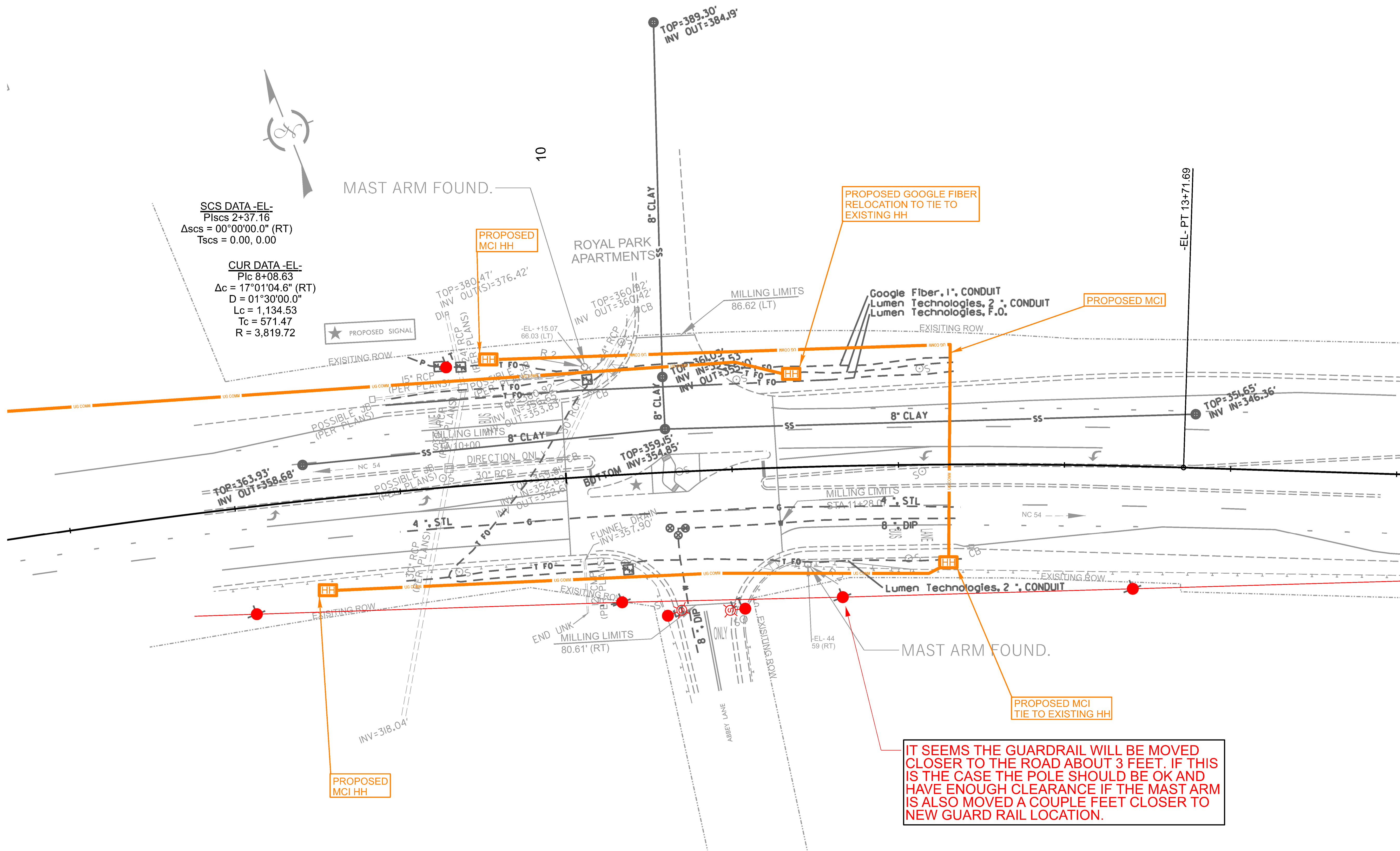
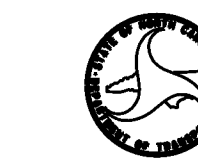
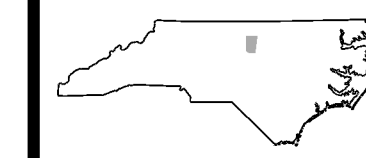
SCS DATA -EL-  
 Plcs 5+04.44  
 $\Delta scs = 00^{\circ}00'00.0''$  (LT)  
 Tscs = 0.00, 0.00

CUR DATA -EL-  
 Plc 8+59.19  
 $\Delta c = 21^{\circ}02'41.5''$  (LT)  
 D =  $03^{\circ}00'00.0''$   
 Lc = 701.50  
 Tc = 354.74  
 R = 1,909.86

PREPARED BY  
  
 DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

1" = 30'

REVISIONS



SCS DATA -EL-  
Piscs 2+37.16  
Δscs = 00°00'00.0" (RT)  
Tscs = 0.00, 0.00

CUR DATA -EL-  
Pisc 8+08.63  
Δc = 17°01'04.6" (RT)  
D = 01°30'00.0"  
Lc = 1,134.53  
Tc = 571.47  
R = 3,819.72

★ PROPOSED SIGNAL

PROPOSED MCI HH

PROPOSED GOOGLE FIBER RELOCATION TO TIE TO EXISTING HH

PROPOSED MCI

PROPOSED MCI TIE TO EXISTING HH

PROPOSED MCI HH

IT SEEMS THE GUARDRAIL WILL BE MOVED CLOSER TO THE ROAD ABOUT 3 FEET. IF THIS IS THE CASE THE POLE SHOULD BE OK AND HAVE ENOUGH CLEARANCE IF THE MAST ARM IS ALSO MOVED A COUPLE FEET CLOSER TO NEW GUARD RAIL LOCATION.

MAST ARM FOUND.

ROYAL PARK APARTMENTS

MAST ARM FOUND.

TOP=363.93'  
INV OUT=358.68'

TOP=380.47'  
INV OUT(S)=376.42'

TOP=389.30'  
INV OUT=384.9'

TOP=360.82'  
INV OUT=360.42'

TOP=359.15'  
INV=354.85'

-EL- PT 13+71.69

TOP=351.65'  
INV IN=346.36'

END LINK MILLING LIMITS 80.61' (RT)

MILLING LIMITS STA 11+28.0'

ABBNEY LANE

EXISTING ROW

EXISTING ROW

EXISTING ROW

POSSIBLE JR (PER PLANS)

POSSIBLE JR (PER PLANS)

POSSIBLE JR (PER PLANS)

POSSIBLE JR (PER PLANS)

POSSIBLE JR (PER PLANS)

POSSIBLE JR (PER PLANS)

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POSSIBLE JR (PER PLANS)

POSSIBLE JR (PER PLANS)

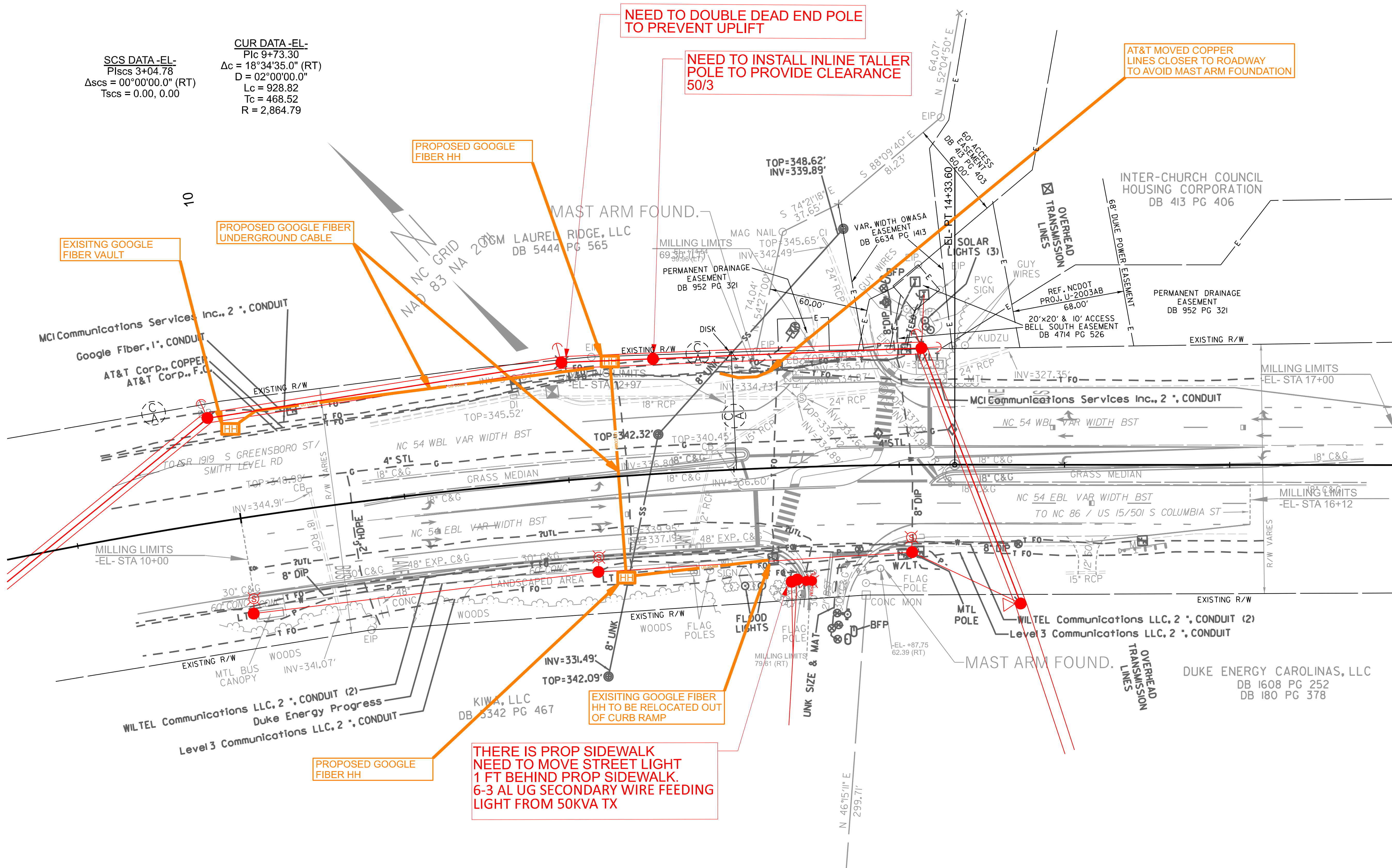
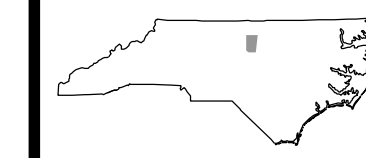
POSSIBLE JR (PER PLANS)

POSSIBLE JR (PER PLANS)

POSSIBLE JR (PER PLANS)

POSSIBLE JR (PER PLANS)

POSSIBLE JR (PER PLANS)



SCS DATA -EL-  
PlsCs 3+04.78  
Δscs = 00°00'00.0" (RT)  
Tscs = 0.00, 0.00

CUR DATA -EL-  
Plc 9+73.30  
Δc = 18°34'35.0" (RT)  
D = 02°00'00.0"  
Lc = 928.82  
Tc = 468.52  
R = 2,864.79

NEED TO DOUBLE DEAD END POLE  
TO PREVENT UPLIFT

NEED TO INSTALL INLINE TALLER  
POLE TO PROVIDE CLEARANCE  
50/3

AT&T MOVED COPPER  
LINES CLOSER TO ROADWAY  
TO AVOID MAST ARM FOUNDATION

PROPOSED GOOGLE  
FIBER HH

PROPOSED GOOGLE FIBER  
UNDERGROUND CABLE

EXISTING GOOGLE  
FIBER VAULT

EXISTING GOOGLE FIBER  
HH TO BE RELOCATED OUT  
OF CURB RAMP

THERE IS PROP SIDEWALK  
NEED TO MOVE STREET LIGHT  
1 FT BEHIND PROP SIDEWALK.  
6-3 AL UG SECONDARY WIRE FEEDING  
LIGHT FROM 50KVA TX

PROPOSED GOOGLE  
FIBER HH