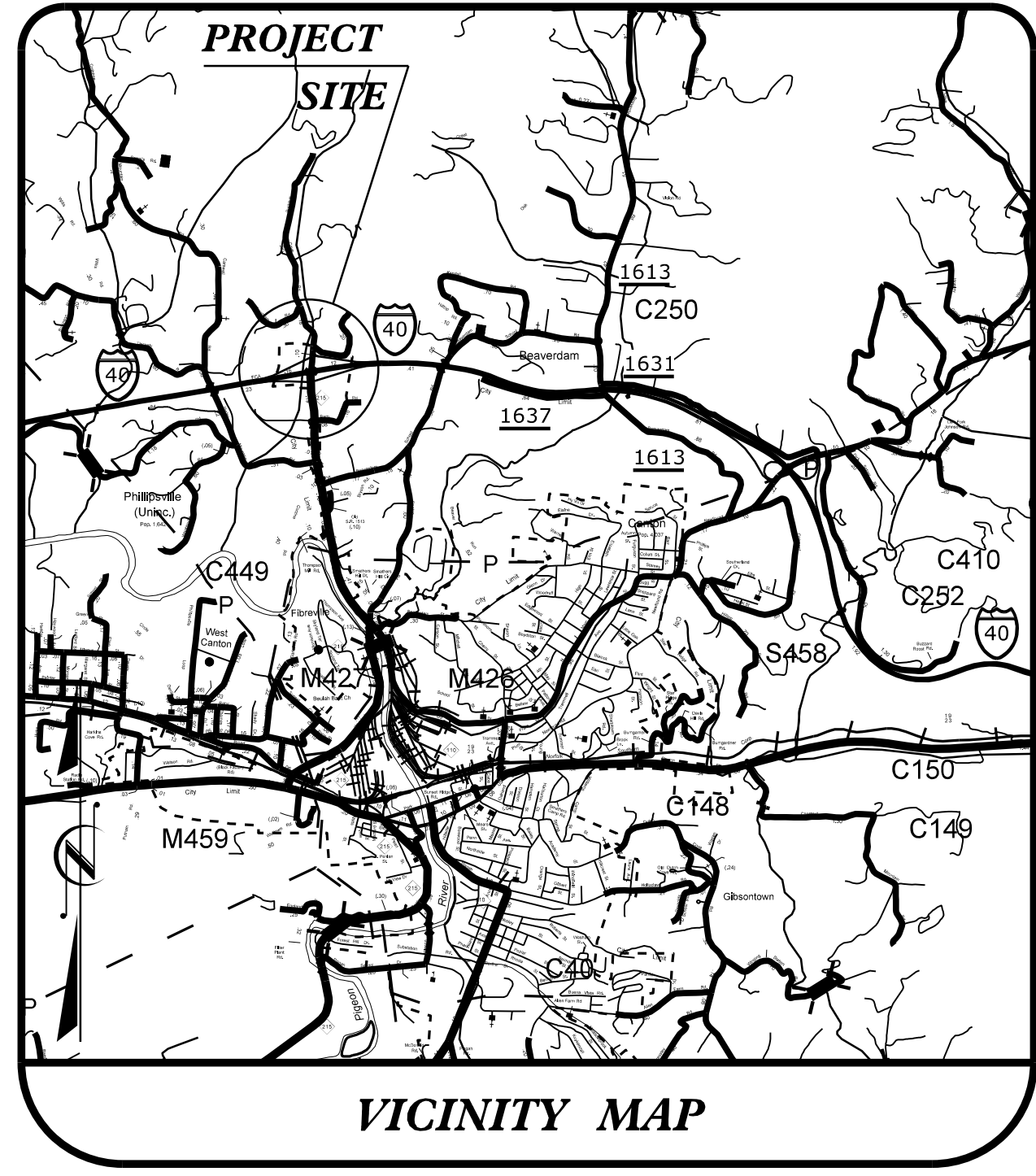


09/08/99

TIP PROJECT: HB-0004



STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

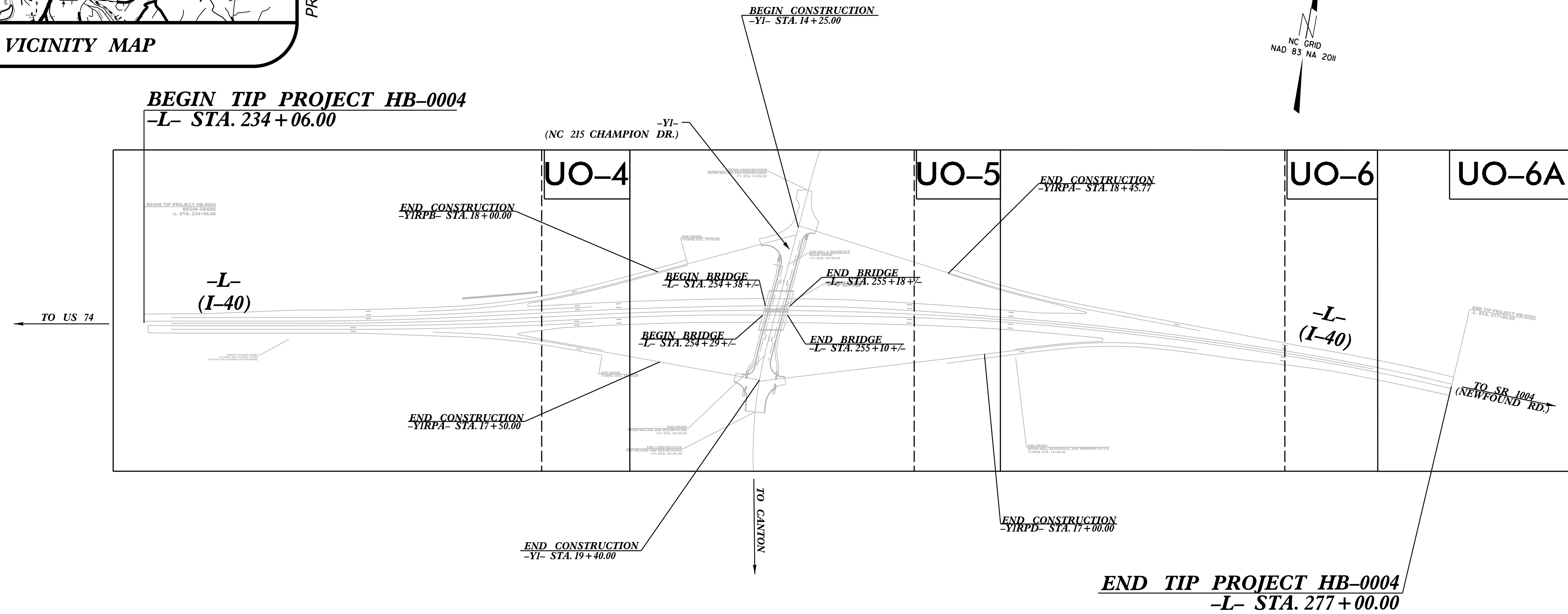
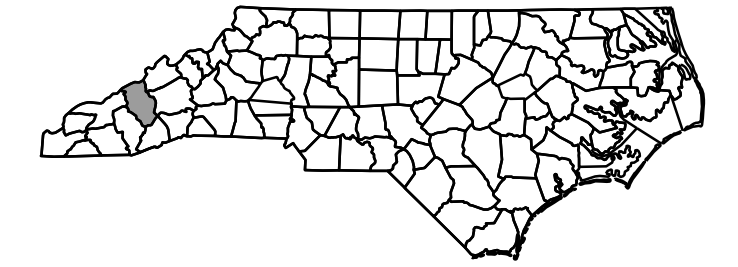
# UTILITIES BY OTHERS PLANS HAYWOOD COUNTY

LOCATION: REPLACE BRIDGE NO. 243 OVER NC 215  
(CHAMPION DRIVE)

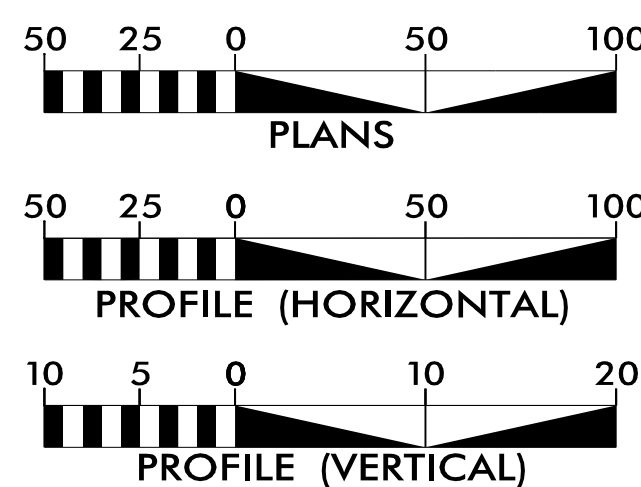
TYPE OF WORK: UTILITY RELOCATION BY OTHERS

STATE PROJECT REFERENCE NO.	SHEET NO.
HB-0004	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.



**GRAPHIC SCALES**



**INDEX OF SHEETS**

SHEET NO.:	DESCRIPTION:
UO-1	TITLE SHEET
UO-2	UTILITY SYMBOLOGY SHEET
UO-3	SHEET OMITTED
UO-4 THRU UO-6A	UBO PLAN SHEETS

**UTILITY OWNERS WITH CONFLICTS**

- |                     |                    |
|---------------------|--------------------|
| (A) AT&T            | COMMUNICATION      |
| (B) DUKE ENERGY     | POWER DISTRIBUTION |
| (C) DOMINION ENERGY | GAS DISTRIBUTION   |
| (D) CHARTER         | COMMUNICATION      |

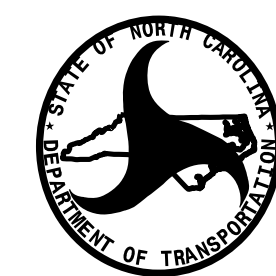
PREPARED IN THE OFFICE OF:



1223 Jones Franklin Rd.  
Raleigh, N.C. 27606  
License No. F-0377  
Bus: 919 851 8077  
Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - SURVEY/SUE - UTILITIES - CONSTRUCTION OBSERVATION

**PANKIL K. PATEL** UTILITY PROJECT MANAGER  
**TREVER REEVES** PROJECT UTILITY COORDINATOR



DIVISION OF HIGHWAYS  
DIVISION 14

253 Webster Road  
Sylva, NC, 28779

**ZACH SHULER, PE** BRIDGE PROGRAM MANAGER  
**ROBERT GOLDING** DIVISION UTILITY COORDINATOR

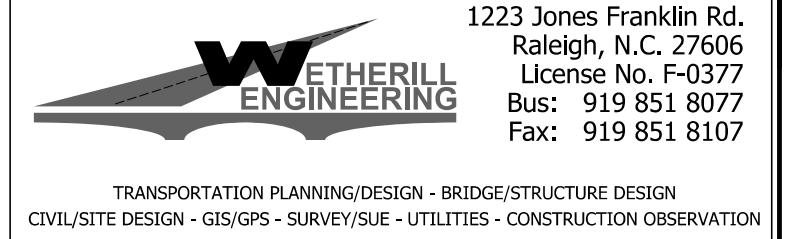
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USER: Treves

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

UTILITIES BY OTHERS

PROJECT REFERENCE NO. SHEET NO.  
HB-0004 UO-2

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



UTILITIES PLAN SHEET SYMBOLS

PROPOSED WATER SYMBOLS

Water Line (Sized as Shown)	
11¼ Degree Bend	
22½ Degree Bend	
45 Degree Bend	
90 Degree Bend	
Plug	
Tee	
Cross	
Reducer	
Gate Valve	
Butterfly Valve	
Tapping Valve	
Line Stop	
Line Stop with Bypass	
Blow Off	
Fire Hydrant	
Relocate Fire Hydrant	
Remove Fire Hydrant	REM FH
Water Meter	
Relocate Water Meter	
Remove Water Meter	REM WM
Water Pump Station	
RPZ Backflow Preventer	
DCV Backflow Preventer	
Relocate RPZ Backflow Preventer	
Relocate DCV Backflow Preventer	

PROPOSED SEWER SYMBOLS

Gravity Sewer Line (Sized as Shown)	
Force Main Sewer Line (Sized as Shown)	
Manhole (Sized per Note)	
Sewer Pump Station	

PROPOSED MISCELLANEOUS UTILITIES SYMBOLS

Power Pole	
Telephone Pole	
Joint Use Pole	
Telephone Pedestal	
Utility Line by Others (Type as Shown)	
Trenchless Installation	
Encasement by Open Cut	
Encasement	
Directionally Drilled Conduit	

Thrust Block	
Air Release Valve	
Utility Vault	
Concrete Pier	
Steel Pier	
Remove Pole	REM
Plan Note	
Pay Item Note	

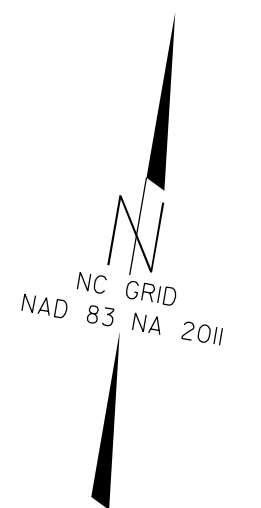
EXISTING UTILITIES SYMBOLS

Power Pole		*Underground Power Line	
Telephone Pole		*Underground Telephone Cable	
Joint Use Pole		*Underground Telephone Conduit	
Utility Pole		*Underground Fiber Optics Telephone Cable	
Utility Pole with Base		*Underground TV Cable	
H-Frame Pole		*Underground Fiber Optics TV Cable	
Power Transmission Line Tower		*Underground Gas Pipeline	
Water Manhole		Aboveground Gas Pipeline	
Power Manhole		*Underground Water Line	
Telephone Manhole		Aboveground Water Line	
Sanitary Sewer Manhole		*Underground Gravity Sanitary Sewer Line	
Hand Hole for Cable		Aboveground Gravity Sanitary Sewer Line	
Power Transformer		*Underground SS Forced Main Line	
Telephone Pedestal		Underground Unknown Utility Line	
CATV Pedestal		SUE Test Hole	
Gas Valve		Water Meter	
Gas Meter		Water Valve	
Located Miscellaneous Utility Object		Fire Hydrant	
Abandoned According to Utility Records	AATUR	Sanitary Sewer Cleanout	
End of Information	E.O.I.		

\*For Existing Utilities  
Utility Line Drawn from Record (Type as Shown)   
Designated Utility Line (Type as Shown)

5/14/99  
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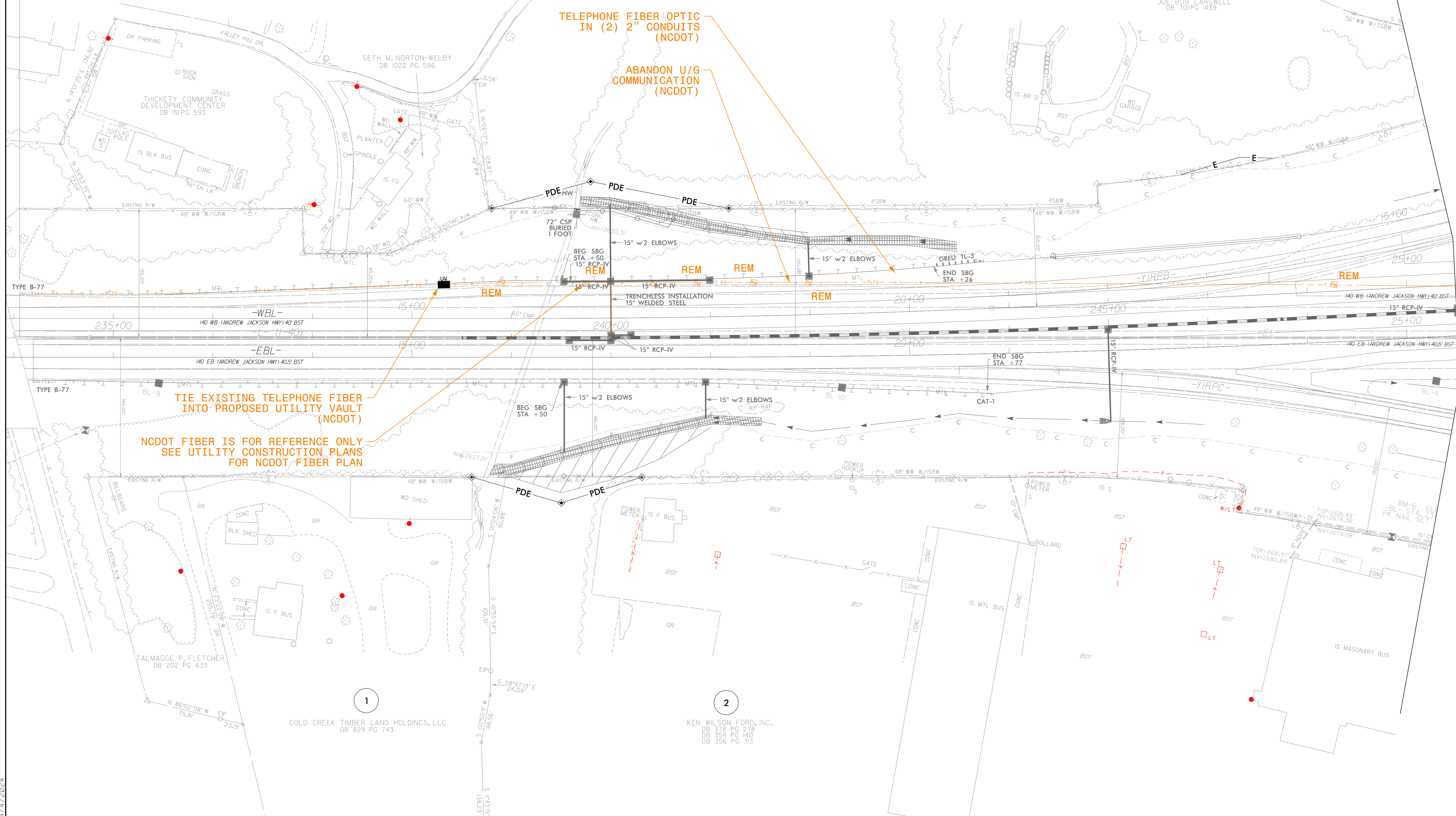
UTILITIES BY OTHERS	PROJECT REFERENCE NO.	SHEET NO.
	HB-0004	U0-4
	THIS SHEET CORRESPONDS TO RDY- 4	

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

1223 Jones Franklin Rd.  
Raleigh, N.C. 27606  
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Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - SURVEY/SUE - UTILITIES - CONSTRUCTION OBSERVATION

**BEGIN TIP PROJECT HB-0004**  
**BEGIN GRADE**  
**-L- STA. 234+06.00**

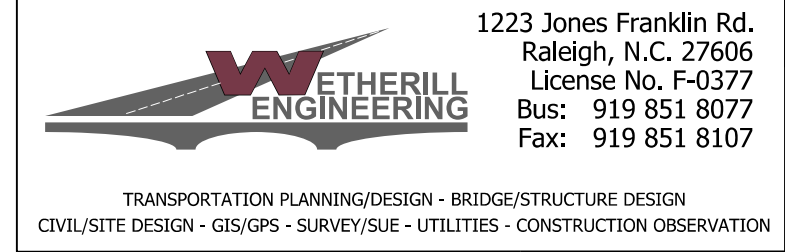


MATCHLINE -L- STA. 248 + 50.00  
SEE SHEET U-05

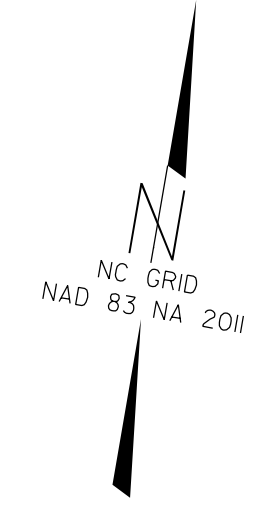
12/26/2024

# UTILITIES BY OTHERS

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



TELEPHONE FIBER OPTIC IN (2) 2" CONDUITS  
 NCDOT FIBER IS FOR REFERENCE ONLY  
 SEE UTILITY CONSTRUCTION PLANS FOR NCDOT FIBER PLAN (NCDOT)



ENTRY/EXIT POINT (AT&T)  
 -Y1RPA- STA. 22+40.03  
 OFFSET 42.51'

ENTRY/EXIT POINT (DUKE)  
 -Y1RPA- STA. 22+31.41  
 OFFSET 51.61'

ENTRY/EXIT POINT (CHARTER)  
 -Y1RPA- STA. 22+20.11  
 OFFSET 47.23'

SEE UTILITY CONSTRUCTION PLANS FOR WATER LINE PLAN AND PROFILE

REMOVE POWER POLE

ABANDON U/G POWER (DUKE)

U/G COMMUNICATION (AT&T)

O/H POWER (DUKE ENERGY)  
 O/H COMMUNICATION (AT&T)  
 O/H COMMUNICATION (CHARTER)

POWER POLE GUY WIRE (X1)

U/G POWER (DUKE ENERGY)

U/G COMMUNICATION (AT&T)  
 10' FROM DUKE U/G CONDUIT

U/G COMMUNICATION (CHARTER)  
 10' FROM DUKE U/G CONDUIT

METAL POLE REMOVAL  
 METAL POLE FOUNDATION REMOVAL (NCDOT)

REMOVE POWER METER AND ABANDON U/G POWER

ABANDON U/G COMMUNICATION

REMOVE UTILITY POLE (NCDOT)

POWER POLE GUY WIRE (X1)

O/H POWER (DUKE ENERGY)  
 O/H COMMUNICATION (AT&T)  
 O/H COMMUNICATION (CHARTER)

SEE UTILITY CONSTRUCTION PLANS FOR SEWER LINE PLAN AND PROFILE

REMOVE POWER POLE

POWER POLE GUY WIRE (X2)

TIED TO EXISTING POWER POLE

MATCHLINE  
 -L- STA. 248+50.00 SEE SHT. UO-4

MATCHLINE  
 -L- STA. 260+50.00 SEE SHT. UO-6

8/17/99  
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4/10/2024

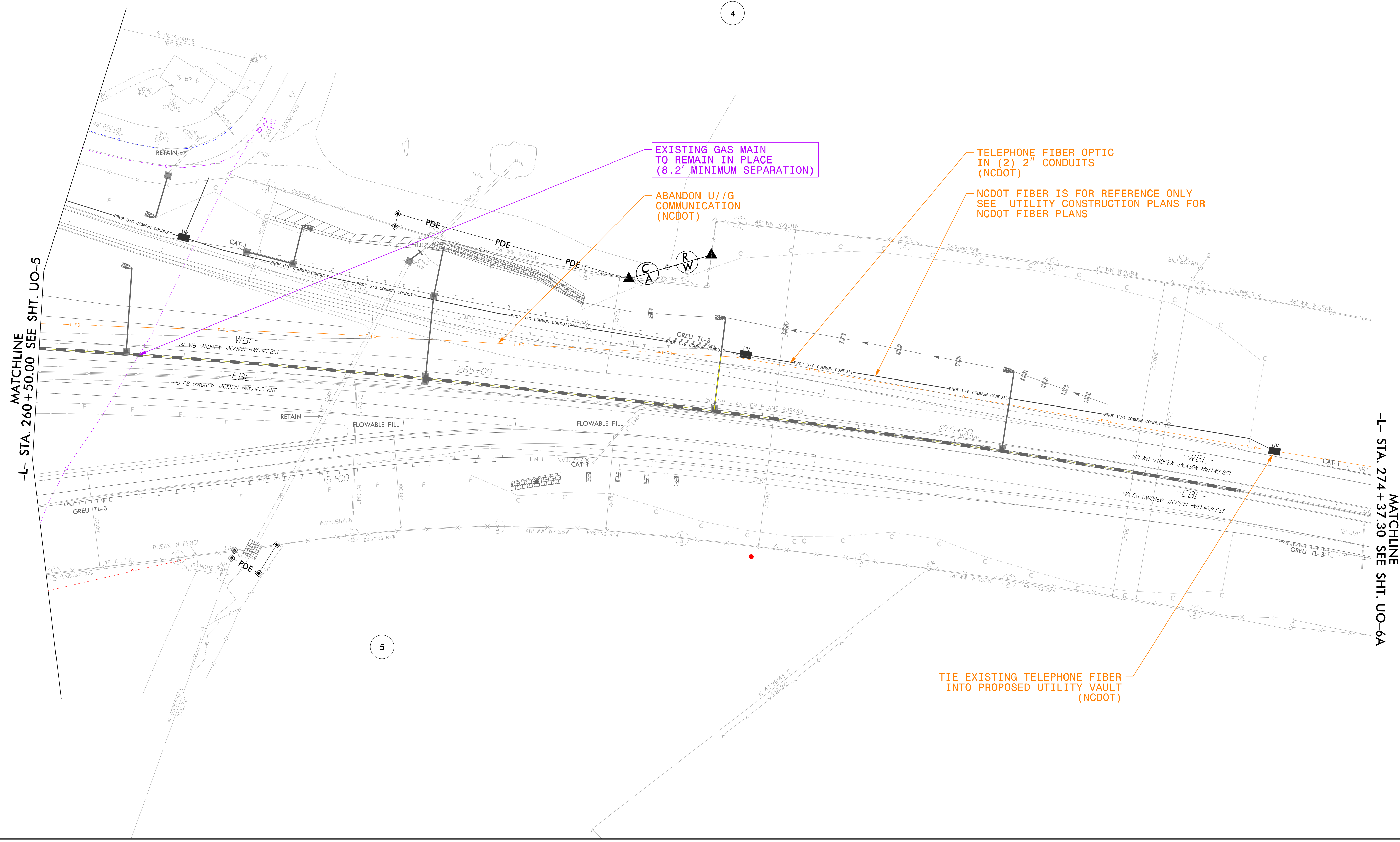


UTILITIES BY OTHERS	PROJECT REFERENCE NO.	SHEET NO.
	HB-0004	UO-6
	THIS SHEET CORRESPONDS TO RDY- 6	

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

1223 Jones Franklin Rd.  
Raleigh, N.C. 27606  
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - SURVEY/SUE - UTILITIES - CONSTRUCTION OBSERVATION



MATCHLINE  
-L- STA. 260+50.00 SEE SHT. UO-5

MATCHLINE  
-L- STA. 274+37.30 SEE SHT. UO-6A

4

5

EXISTING GAS MAIN  
TO REMAIN IN PLACE  
(8.2' MINIMUM SEPARATION)

ABANDON U/G  
COMMUNICATION  
(NCDOT)

TELEPHONE FIBER OPTIC  
IN (2) 2" CONDUITS  
(NCDOT)

NCDOT FIBER IS FOR REFERENCE ONLY  
SEE UTILITY CONSTRUCTION PLANS FOR  
NCDOT FIBER PLANS

TIE EXISTING TELEPHONE FIBER  
INTO PROPOSED UTILITY VAULT  
(NCDOT)


8/17/99

# UTILITIES BY OTHERS

PROJECT REFERENCE NO.	SHEET NO.
HB-0004	UO-6A
THIS SHEET CORRESPONDS TO RDY- 6	

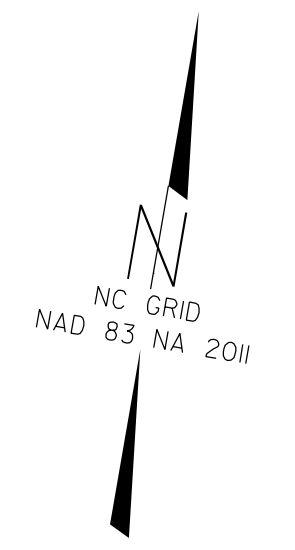
THERE ARE NO UTILITY CONFLICTS ON THIS PLANSHEET

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



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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
CIVIL/SITE DESIGN - GIS/GPS - SURVEY/SUE - UTILITIES - CONSTRUCTION OBSERVATION



MATCHLINE  
-L- STA. 274 + 37.30 SEE SHT. UO-6

END TIP PROJECT HB-0004  
-L- STA. 277+00.00



8:50:45 AM  
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