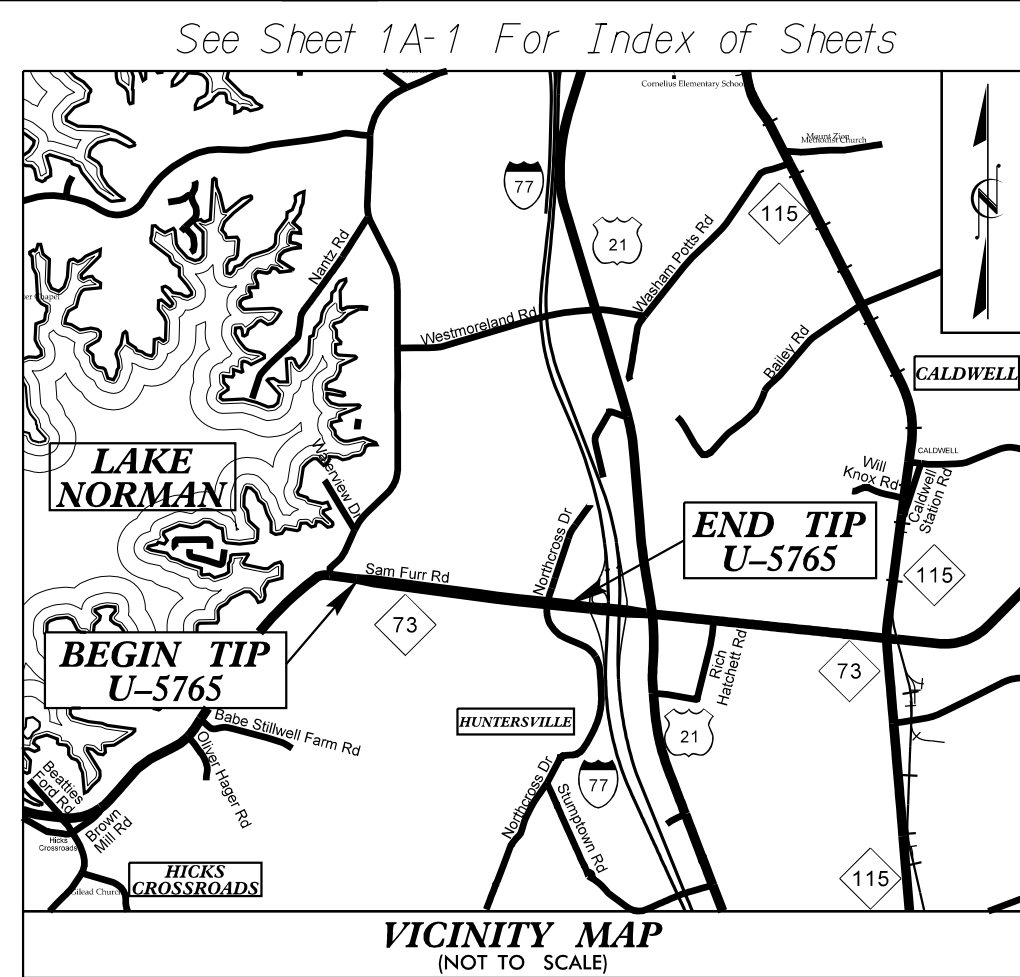


10/28/24

TIP PROJECT: U-5765



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

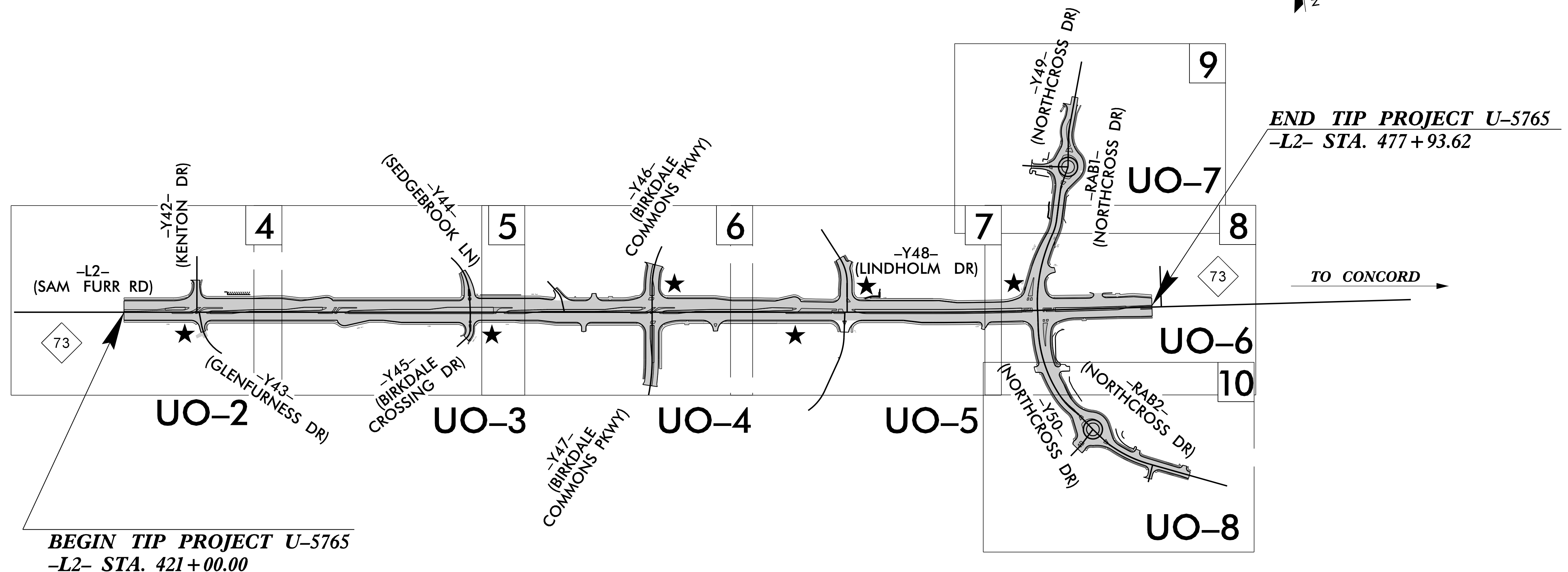
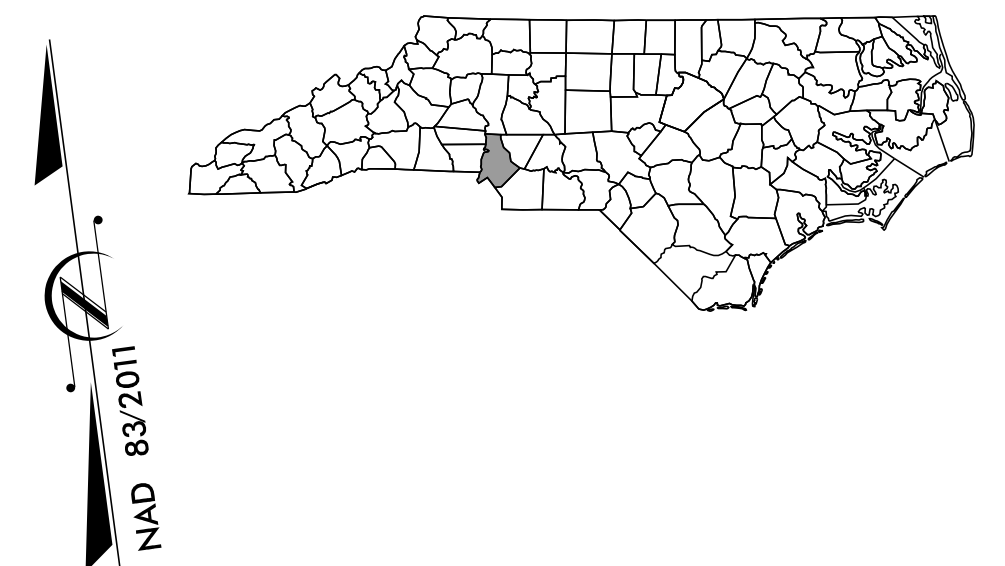
UTILITIES BY OTHERS PLANS
MECKLENBURG COUNTY

LOCATION: NC 73 – SR 5544 (WEST CATAWBA AVENUE) TO
SR 2316 (NORTHCROSS DRIVE)

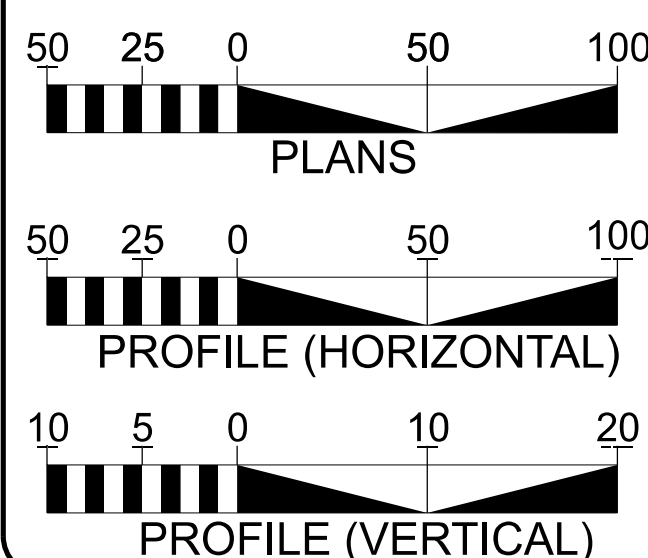
TYPE OF WORK: POWER, COMMUNICATION, AND GAS RELOCATION

T.I.P. NO.	SHEET NO.
U-5765	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 THRU UO-8	UBO PLAN SHEETS

UTILITY OWNERS WITH CONFLICTS

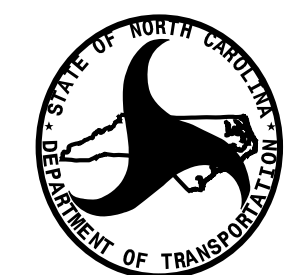
- (A) POWER DISTRIBUTION – ENERGY UNITED
- (B) COMMUNICATION – SEGRA
- (C) COMMUNICATION – CROWN CASTLE
- (D) COMMUNICATION – VERIZON/MCI
- (E) COMMUNICATION – LUMEN
- (F) COMMUNICATION – GOOGLE FIBER
- (G) COMMUNICATION – AT&T
- (H) GAS – PIEDMONT NATURAL GAS
- (I) COMMUNICATION – SPECTRUM
- (J) COMMUNICATION – MCNC

PREPARED IN THE OFFICE OF

SAM

2641 Sumner Boulevard
Suite 116
Raleigh, NC 27616
(919) 878-7466

TODD BUTNER UTILITY PROJECT MANAGER
JOHN SCHRINER, PLS PROJECT UTILITY COORDINATOR



DIVISION OF HIGHWAYS
UTILITIES UNIT

HIGHWAY DIVISION 10
716 W. MAIN ST.
ALBEMARLE, 28001

DAYTON MARTIN REGIONAL UTILITY COORDINATOR
IAN ARMSTRONG CENTRAL UTILITY ENGINEER
DONALD HAMPTON CENTRAL UTILITY COORDINATOR
ADAM J. PRESLAR DIVISION UTILITY COORDINATOR

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

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	
Water Meter	
Relocate Water Meter	
Remove Water Meter	
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 MISCELLANOUS UTILITIES SYMBOLS

Power Pole	
Telephone Pole	
Joint Use Pole	
Telephone Pedestal	
Utility Line by Others (Type as Shown)	
Trenchless Installation	
Encasement Method	
Encasement	

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

EXISTING UTILITIES SYMBOLS

Power Pole	
Telephone Pole	
Joint Use Pole	
Utility Pole	
Utility Pole with Base	
H-Frame Pole	
Power Transmission Line Tower	
Water Manhole	
Power Manhole	
Telephone Manhole	
Sanitary Sewer Manhole	
Hand Hole for Cable	
Power Transformer	
Telephone Pedestal	
CATV Pedestal	
Gas Valve	
Gas Meter	
Located Miscellaneous Utility Object	
Abandoned According to Utility Records	
End of Information	

*Underground Power Line	
*Underground Telephone Cable	
*Underground Telephone Conduit	
*Underground Fiber Optics Telephone Cable	
*Underground TV Cable	
*Underground Fiber Optics TV Cable	
*Underground Gas Pipeline	
Aboveground Gas Pipeline	
*Underground Water Line	
Aboveground Water Line	
*Underground Gravity Sanitary Sewer Line	
Aboveground Gravity Sanitary Sewer Line	
*Underground SS Forced Main Line	
Underground Unknown Utility Line	
SUE Test Hole	
Water Meter	
Water Valve	
Fire Hydrant	
Sanitary Sewer Cleanout	

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

U-5765

UQ-1A

UTILITY DESIGN UNIT

ALL PROPOSED 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.

DESIGNED BY:

DRAWN BY:

CHECKED BY:

APPROVED BY:

REVISED:

UTILITIES ENGINEERING SEC.
PHONE: (919) 707-6690
FAX: (919) 250-4151



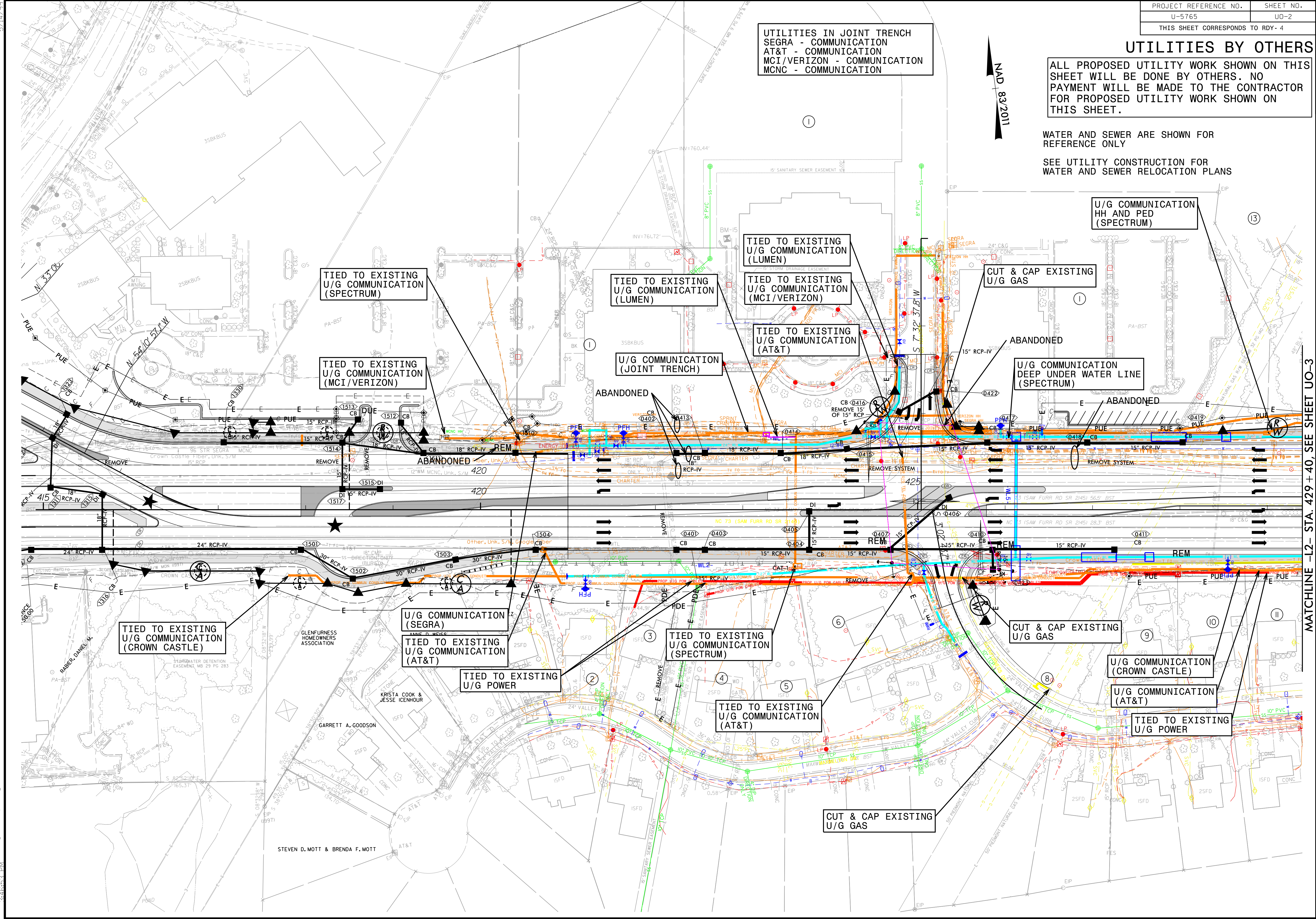
UTILITIES BY OTHERS

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WATER AND SEWER ARE SHOWN FOR REFERENCE ONLY
SEE UTILITY CONSTRUCTION FOR WATER AND SEWER RELOCATION PLANS

UTILITIES IN JOINT TRENCH
SEGRA - COMMUNICATION
AT&T - COMMUNICATION
MCI/VERIZON - COMMUNICATION
MCNC - COMMUNICATION

NAD 83/2011



MATCHLINE -L2- STA. 429 + 40, SEE SHEET U0-3

5/14/99

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UTILITIES BY OTHERS

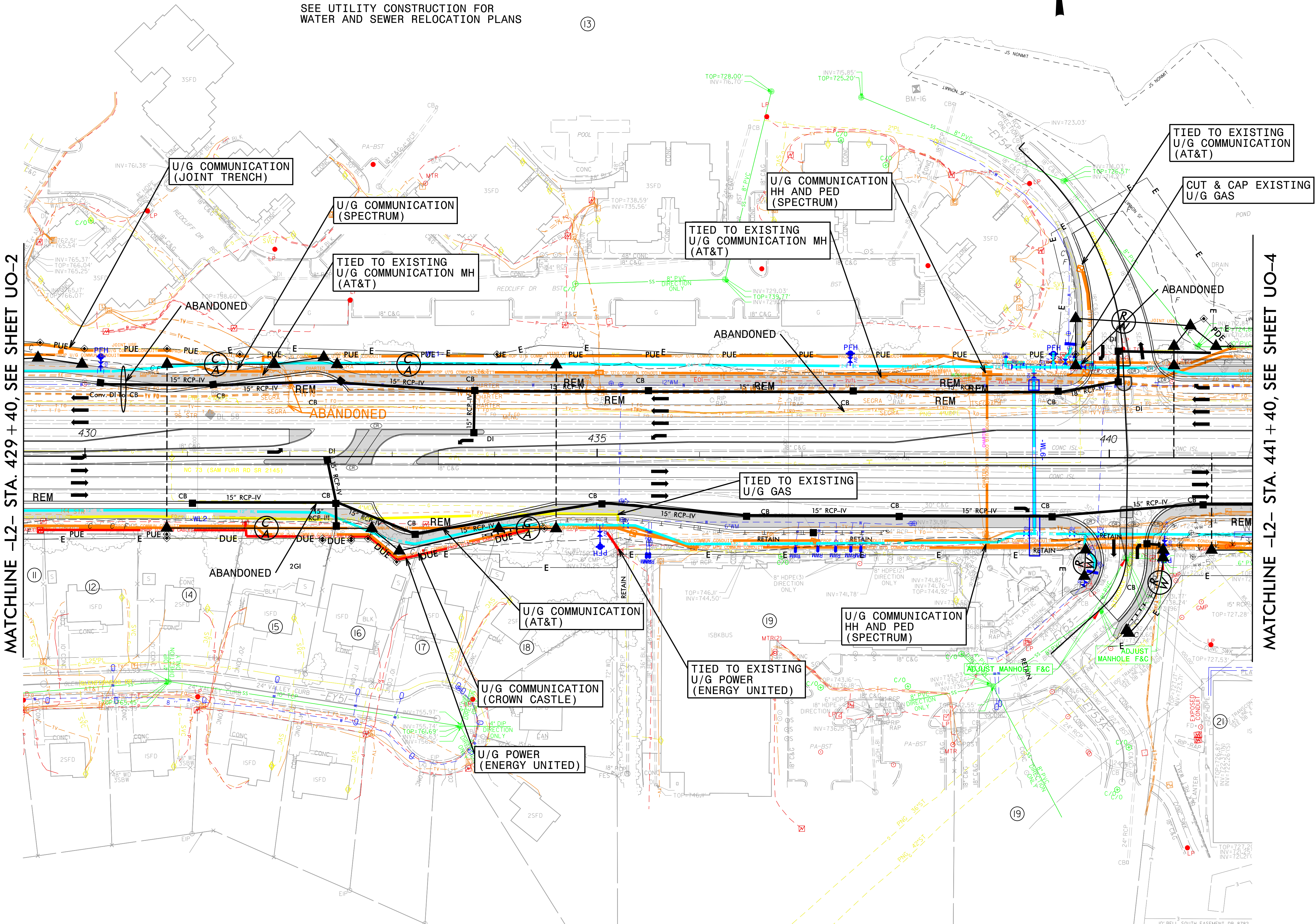
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UTILITIES IN JOINT TRENCH
SEGRA - COMMUNICATION
AT&T - COMMUNICATION
MCI/VERIZON - COMMUNICATION
MCNC - COMMUNICATION

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NAD 83/2011



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UTILITIES IN JOINT TRENCH
SEGRA - COMMUNICATION
AT&T - COMMUNICATION
MCI/VERIZON - COMMUNICATION
MCNC - COMMUNICATION

TIED TO EXISTING U/G COMMUNICATION HH (CROWN CASTLE)

U/G COMMUNICATION (JOINT TRENCH)

U/G COMMUNICATION (SPECTRUM)

U/G COMMUNICATION DEEP UNDER WATER LINE (SPECTRUM)

TIED TO EXISTING U/G COMMUNICATION HH (AT&T, SEGRA, VERIZON)

U/G COMMUNICATION (CROWN CASTLE)

NEW PED TIE IN TO U/G COMMUNICATION EXISTING (SPECTRUM)

TIED TO EXISTING U/G GAS

U/G COMMUNICATION (GOOGLE FIBER)

U/G COMMUNICATION (JOINT TRENCH)

U/G GAS

MATCHLINE -L2- STA. 441+40, SEE SHEET UO-3

MATCHLINE -L2- STA. 455+00, SEE SHEET UO-5

★ PROPOSED SIGNAL

NAD 83/2011

5/14/99

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WATER AND SEWER ARE SHOWN FOR REFERENCE ONLY

SEE UTILITY CONSTRUCTION FOR WATER AND SEWER RELOCATION PLANS

U/G COMMUNICATION
2'X4'X4' BORE PIT
(SPECTRUM)

U/G COMMUNICATION
BORE PIT & HH TIE IN
(SPECTRUM)

U/G COMMUNICATION
(JOINT TRENCH)

TIED TO EXISTING
U/G COMMUNICATION
(AT&T)

CUT & CAP EXISTING
U/G GAS

TIED TO EXISTING
U/G COMMUNICATION
(AT&T)

U/G COMMUNICATION
(JOINT TRENCH)

U/G COMMUNICATION
(AT&T)

TIED TO EXISTING
U/G COMMUNICATION MH
(AT&T)

U/G COMMUNICATION
(GOOGLE FIBER)

TIED TO EXISTING
U/G COMMUNICATION MH
(AT&T)

U/G COMMUNICATION
(GOOGLE FIBER)

MATCHLINE -L2- STA. 455+00, SEE SHEET UO-4

MATCHLINE -L- STA. 469+25, SEE SHEET UO-6

5/14/99

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UTILITIES BY OTHERS

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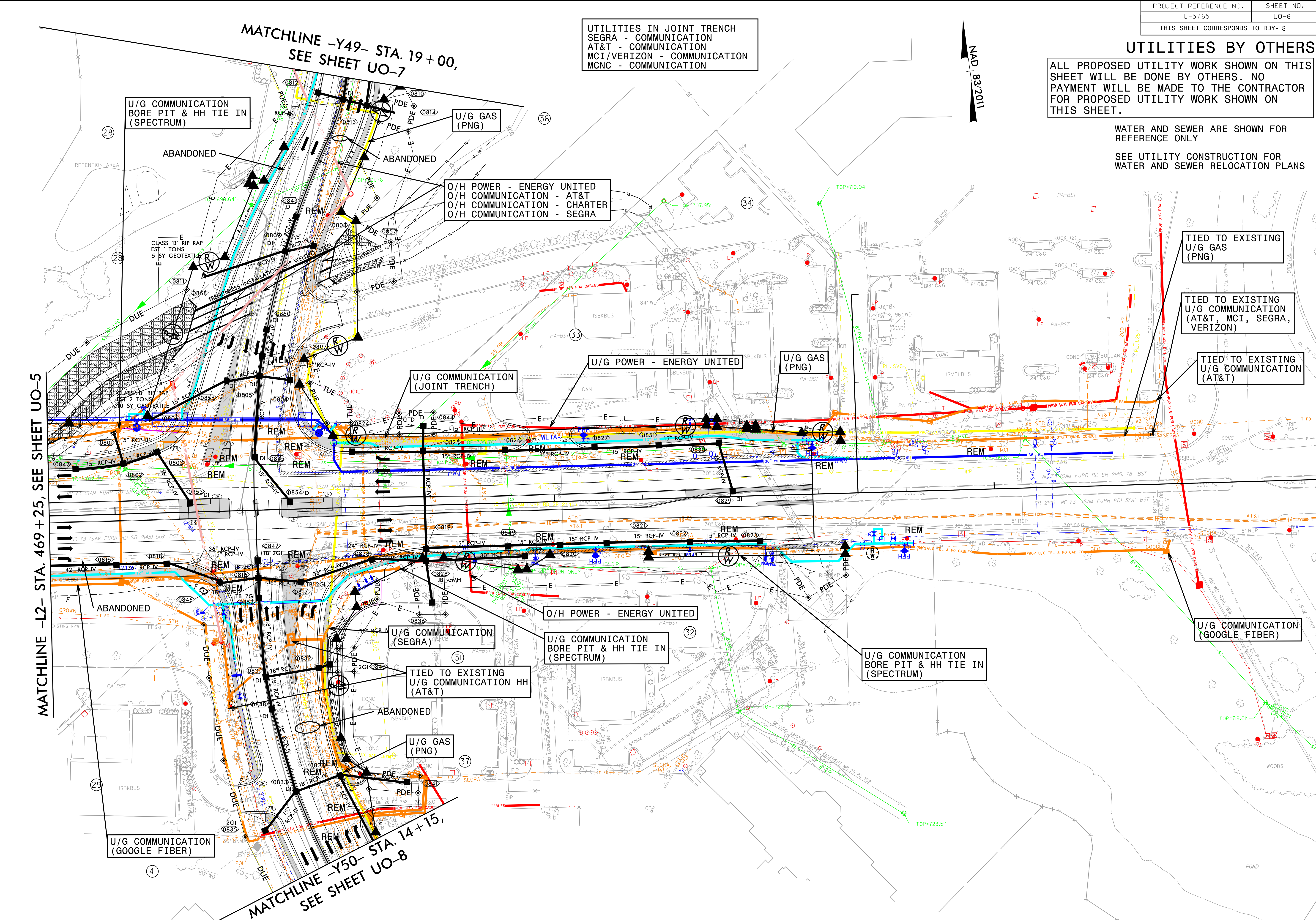
UTILITIES IN JOINT TRENCH
SEGRA - COMMUNICATION
AT&T - COMMUNICATION
MCI/VERIZON - COMMUNICATION
MCNC - COMMUNICATION

NAD 83/2011

MATCHLINE -Y49- STA. 19+00,
SEE SHEET UO-7

MATCHLINE -L2- STA. 469+25, SEE SHEET UO-5

MATCHLINE -Y50- STA. 14+15,
SEE SHEET UO-8



5/14/99

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