

09/08/09

TIP PROJECT: U-5312

CONTRACT: C204841

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

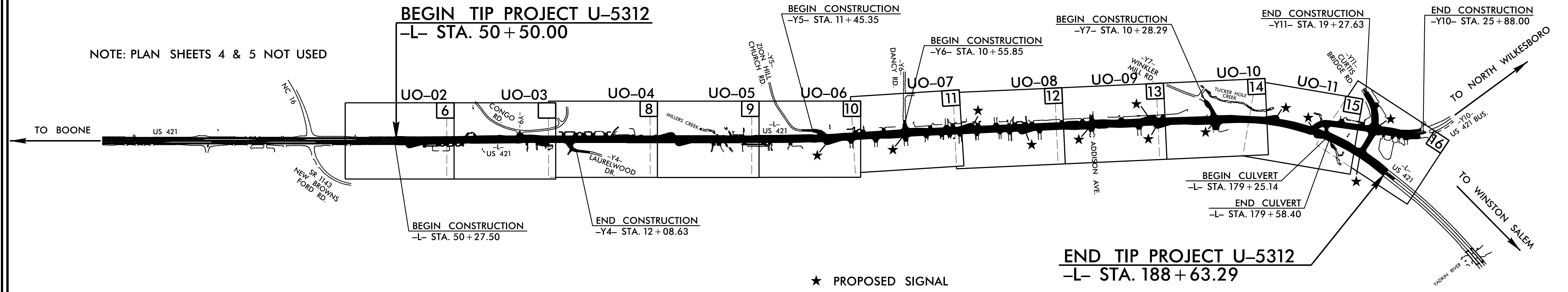
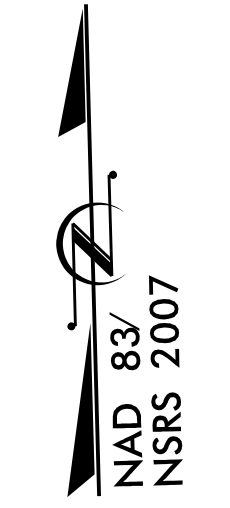
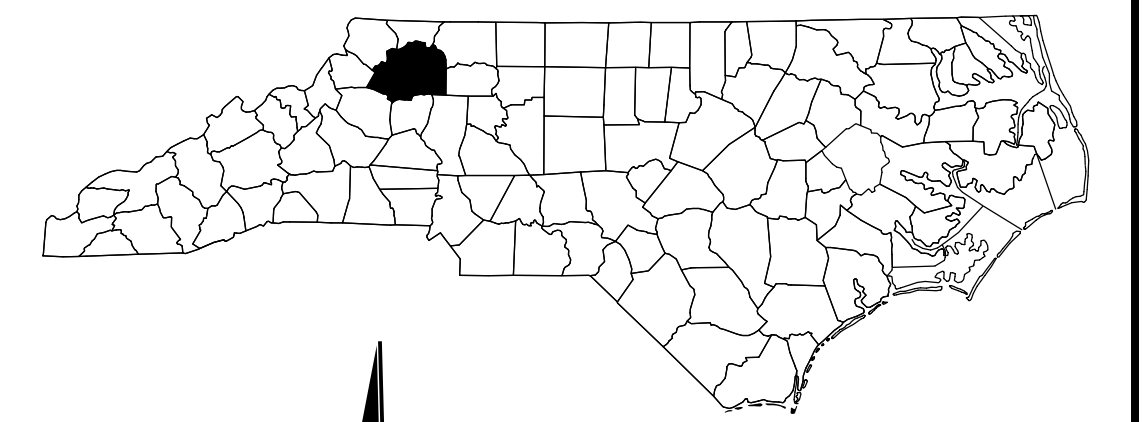
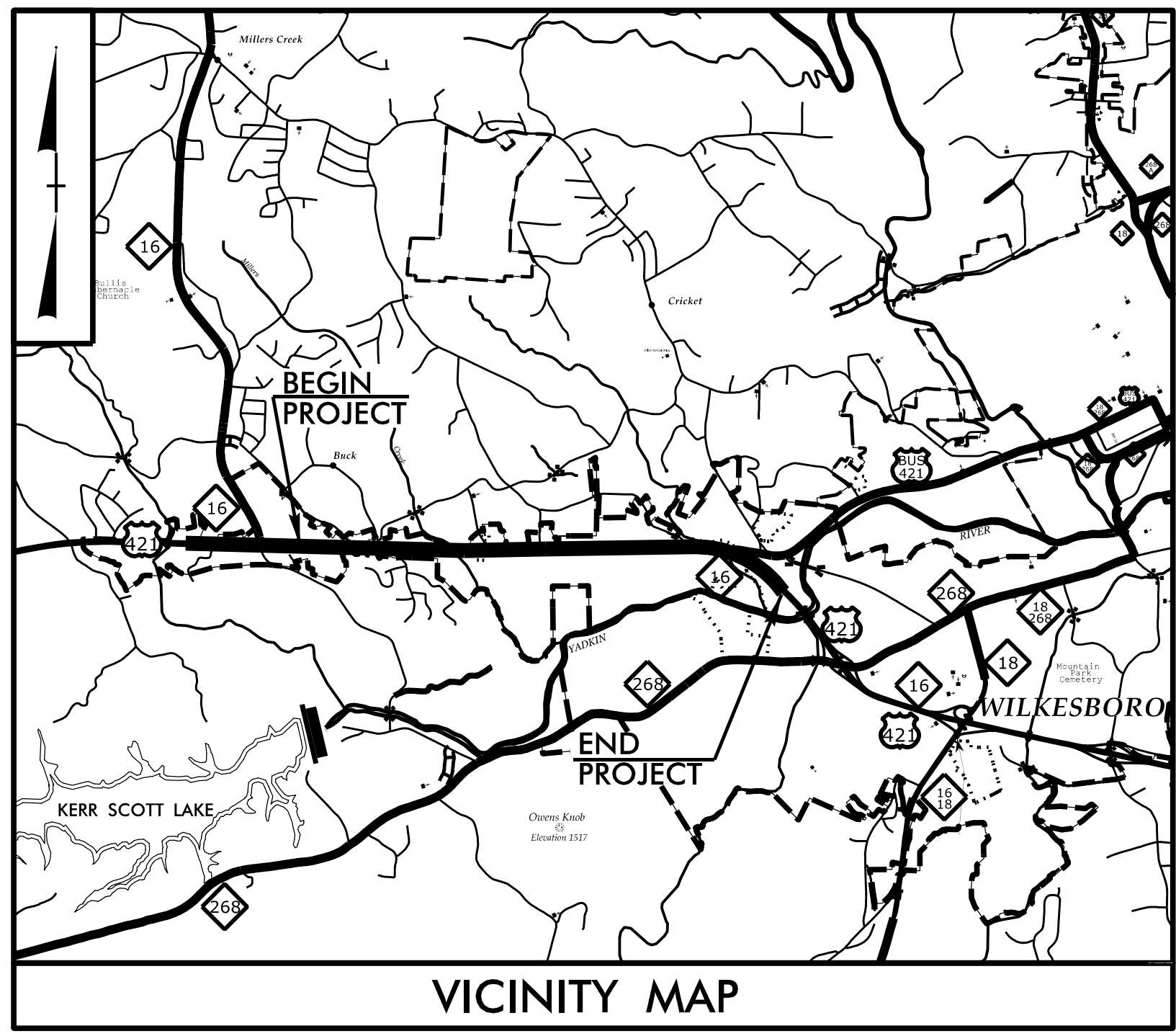
UTILITIES BY OTHERS PLANS  
WILKES COUNTY

LOCATION: US 421 FROM EAST OF NC 16 TO  
US 421 BUSINESS IN WILKESBORO

TYPE OF WORK: POWER, GAS AND COMMUNICATIONS

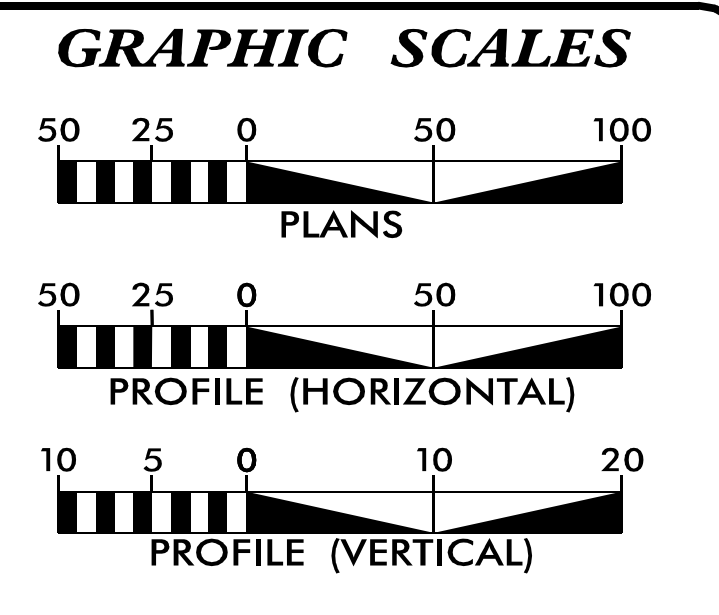
T.I.P. NO.	SHEET NO.
U-5312	UO-1

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.



NOTE: PLAN SHEETS 4 & 5 NOT USED

★ PROPOSED SIGNAL



SHEET NO.:	DESCRIPTION:
UO-1	TITLE SHEET
UO-02 THRU UO-12	UBO PLAN SHEETS

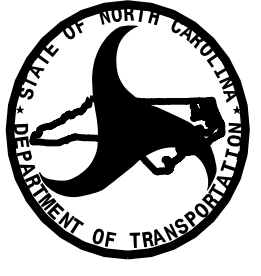
UTILITY OWNERS WITH CONFLICTS
(A) POWER - DUKE ENERGY
(B) GAS - FRONTIER
(C) COMMUNICATIONS - BRIGHTSPEED
(D) COMMUNICATIONS - CHARTER
(E) COMMUNICATIONS - WILKES
(F) COMMUNICATIONS - MMI ATLANTIC

PREPARED IN THE OFFICE OF:



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

Freddie Bunn UTILITY PROJECT MANAGER  
Patrick Jones PROJECT UTILITY COORDINATOR



DIVISION OF HIGHWAYS  
DIVISION II

DIV ADDRESS  
801 STATESVILLE ROAD  
NORTH WILKESBORO, 28695

Brandon Greer DIVISION UTILITY ENGINEER  
Susan Huffman DIVISION UTILITY COORDINATOR

SYSTEMS DGN SERVA

### UTILITIES BY OTHERS

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## BEGIN TIP PROJECT U-5312

**-L- STA. 50 + 50.00**

GRADE LINES MAY BE ADJUSTED AT THEIR BEGINNING AS DIRECTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

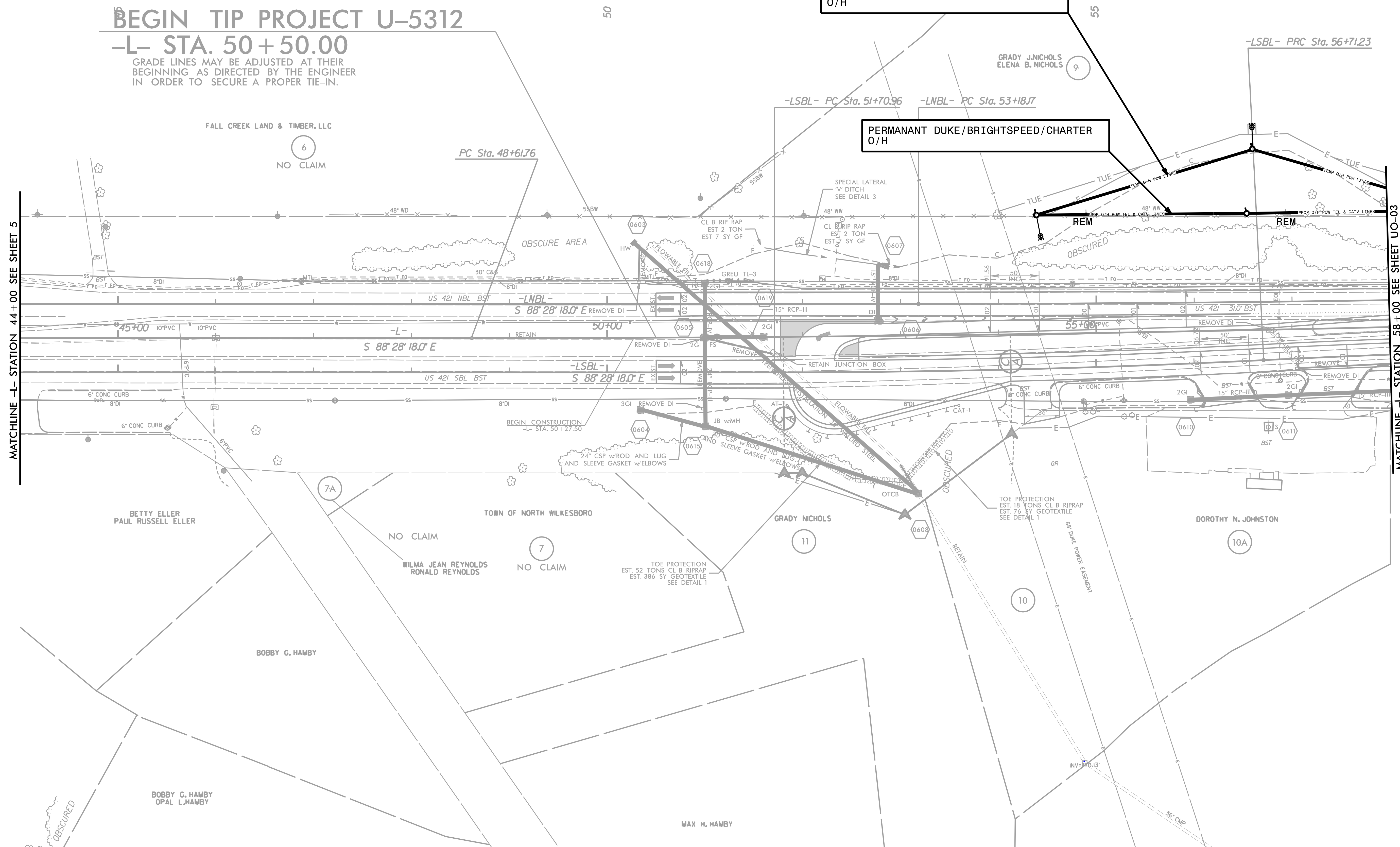
TEMPORARY DUKE/BRIGHTSPEED/CHARTER O/H

PERMANANT DUKE/BRIGHTSPEED/CHARTER O/H

MATCHLINE -L- STATION 44 + 00 SEE SHEET 5

MATCHLINE -L- STATION 58 + 00 SEE SHEET U0-03

REVISIONS



8/17/99

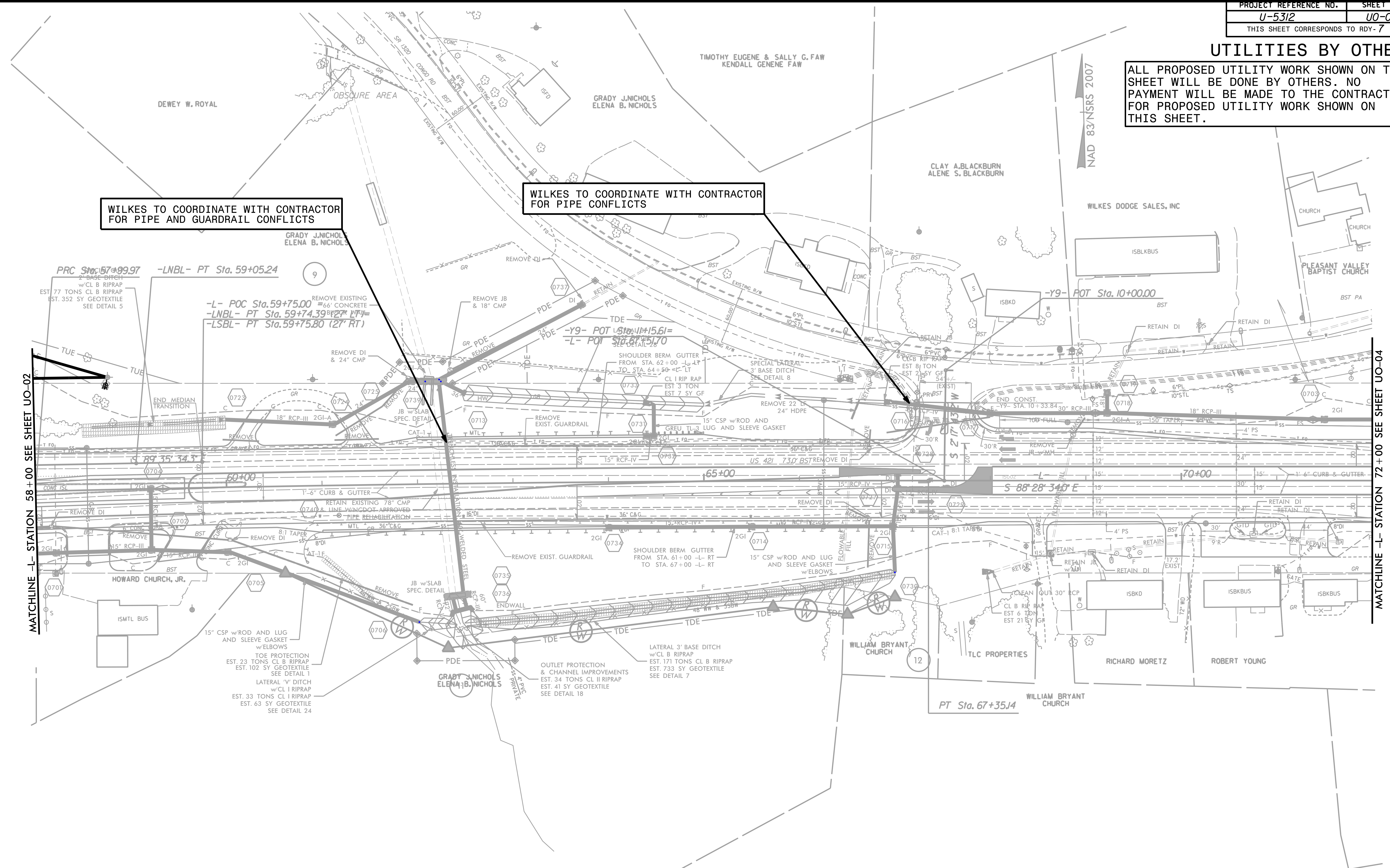
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### UTILITIES BY OTHERS

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.

WILKES TO COORDINATE WITH CONTRACTOR FOR PIPE AND GUARDRAIL CONFLICTS

WILKES TO COORDINATE WITH CONTRACTOR FOR PIPE CONFLICTS



REVISIONS

MATCHLINE -L- STATION 58+00 SEE SHEET UO-02

MATCHLINE -L- STATION 72+00 SEE SHEET UO-04

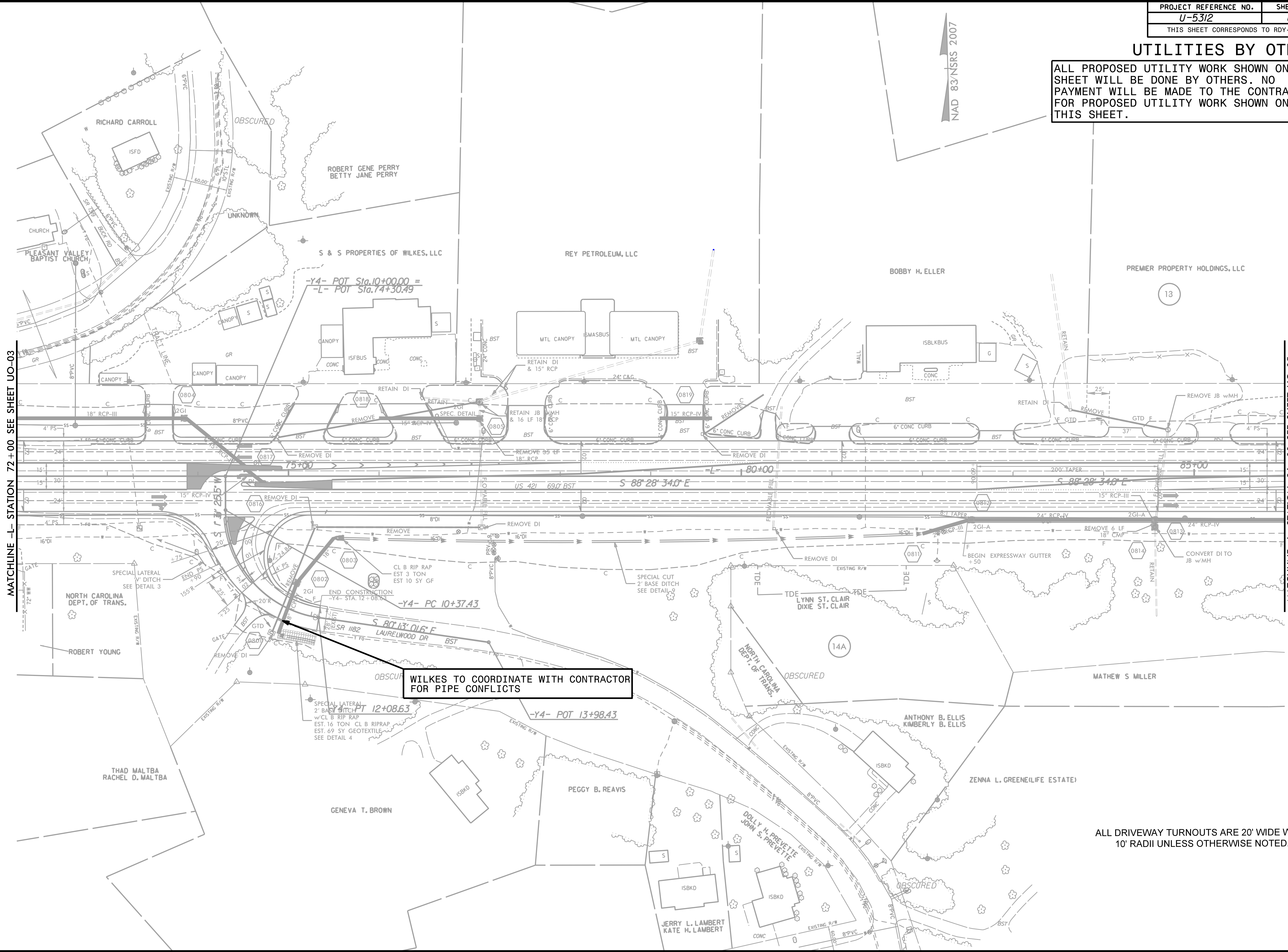
ALL DRIVEWAY TURNOUTS ARE 20' WIDE WITH 10' RADII UNLESS OTHERWISE NOTED.

3/23/2023 12:53:42 PM...  
12:53:42 PM...  
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### UTILITIES BY OTHERS

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NAD 83/NSRS 2007



MATCHLINE -L- STATION 72+00 SEE SHEET UO-03

MATCHLINE -L- STATION 86+00 SEE SHEET UO-05

WILKES TO COORDINATE WITH CONTRACTOR FOR PIPE CONFLICTS

ALL DRIVEWAY TURNOUTS ARE 20' WIDE WITH 10' RADII UNLESS OTHERWISE NOTED.

REVISIONS

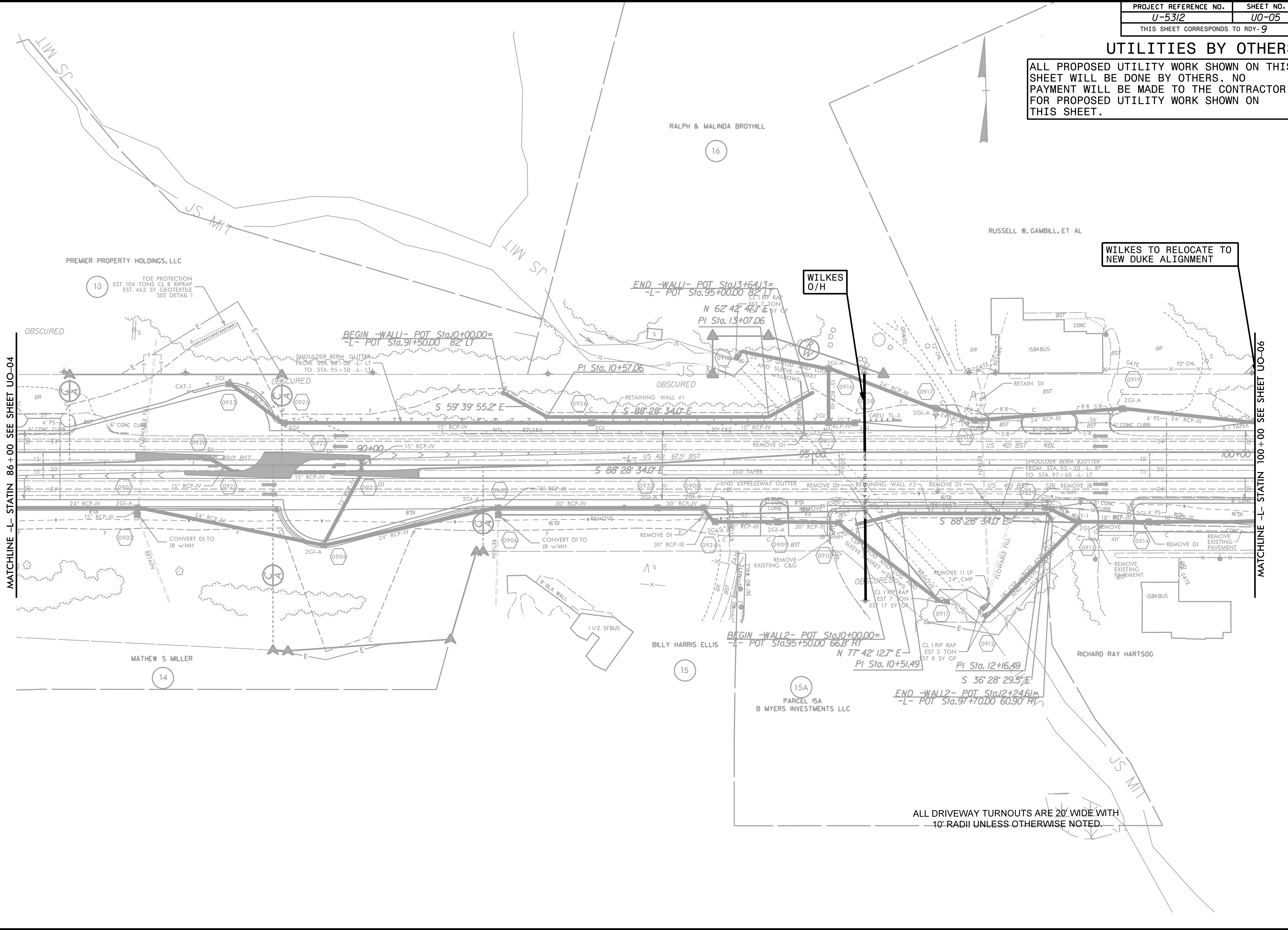
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### UTILITIES BY OTHERS

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.

WILKES TO RELOCATE TO NEW DUKE ALIGNMENT

WILKES O/H



MATCHLINE -L- STATIN 86+00 SEE SHEET UO-04

MATCHLINE -L- STATIN 100+00 SEE SHEET UO-06

REVISIONS

ALL DRIVEWAY TURNOUTS ARE 20' WIDE WITH 10' RADII UNLESS OTHERWISE NOTED.

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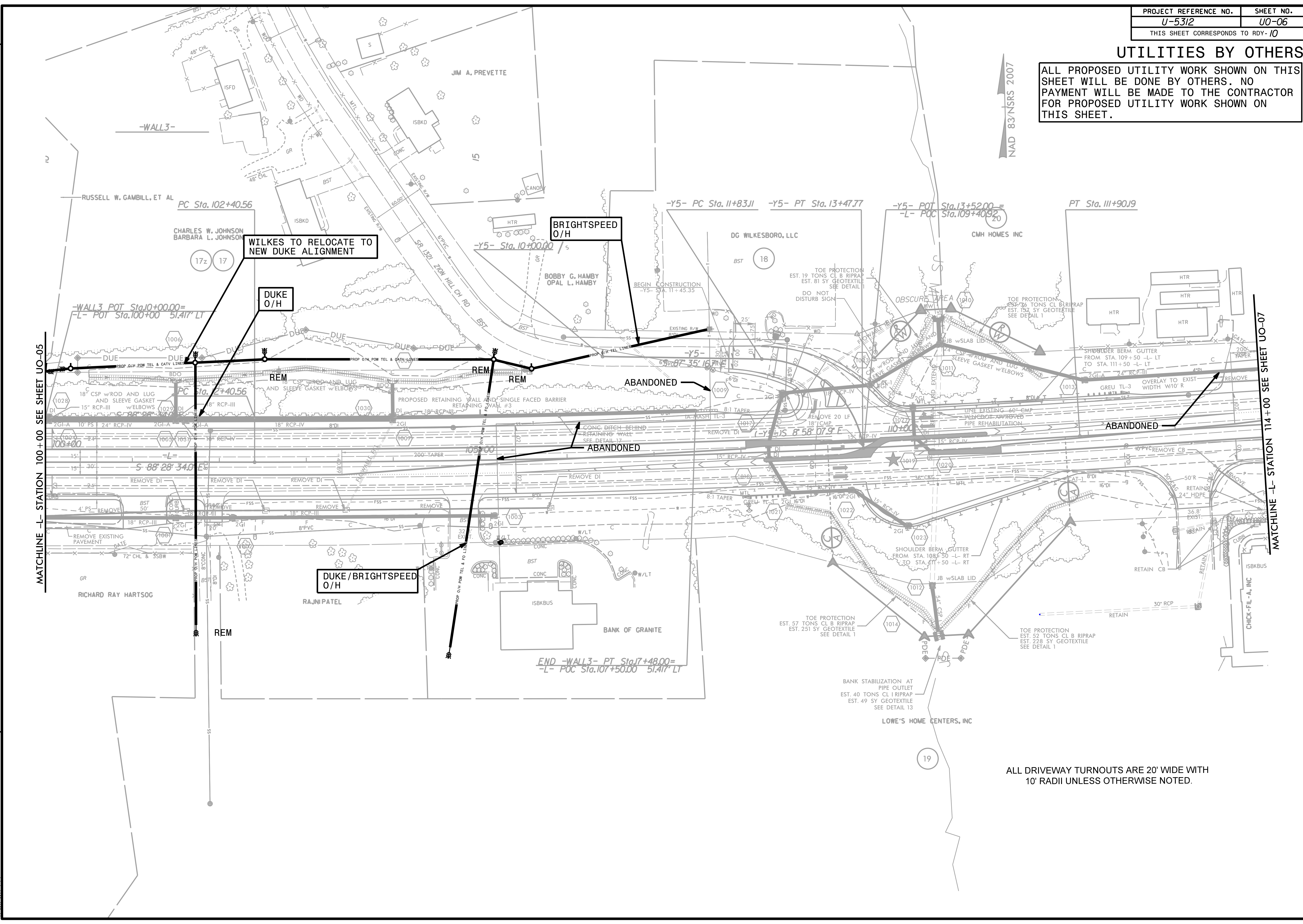
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8/17/99

REVISIONS

NAD 83/NSRS 2007



MATCHLINE -L- STATION 100+00 SEE SHEET UO-05

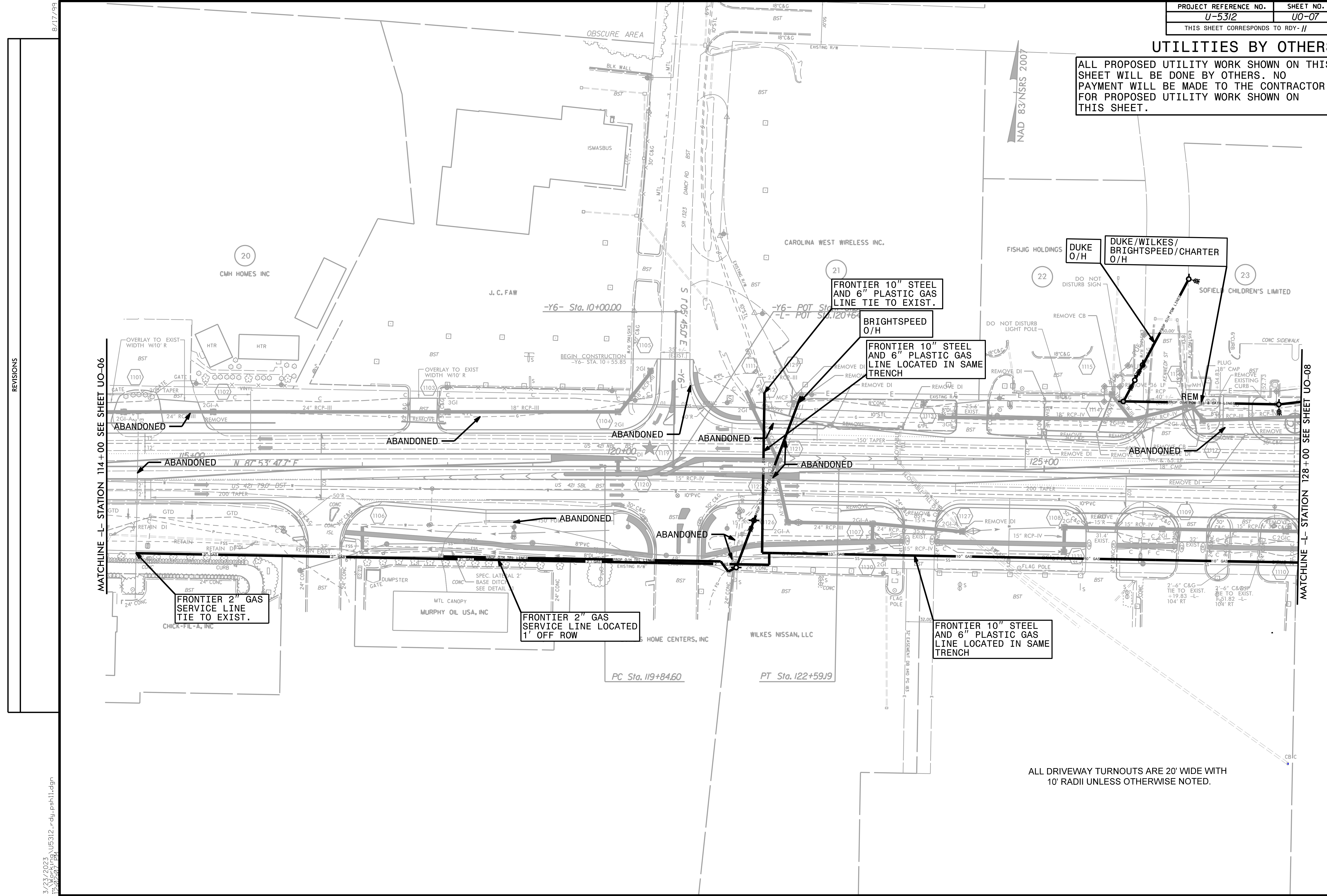
MATCHLINE -L- STATION 114+00 SEE SHEET UO-07

ALL DRIVEWAY TURNOUTS ARE 20' WIDE WITH 10' RADII UNLESS OTHERWISE NOTED.

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### UTILITIES BY OTHERS

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FRONTIER 10" STEEL AND 6" PLASTIC GAS LINE TIE TO EXIST.

BRIGHTSPEED O/H

FRONTIER 10" STEEL AND 6" PLASTIC GAS LINE LOCATED IN SAME TRENCH

FRONTIER 2" GAS SERVICE LINE TIE TO EXIST.

FRONTIER 2" GAS SERVICE LINE LOCATED 1' OFF ROW

FRONTIER 10" STEEL AND 6" PLASTIC GAS LINE LOCATED IN SAME TRENCH

ALL DRIVEWAY TURNOUTS ARE 20' WIDE WITH 10' RADII UNLESS OTHERWISE NOTED.

REVISIONS

MATCHLINE -L- STATION 114+00 SEE SHEET UO-06

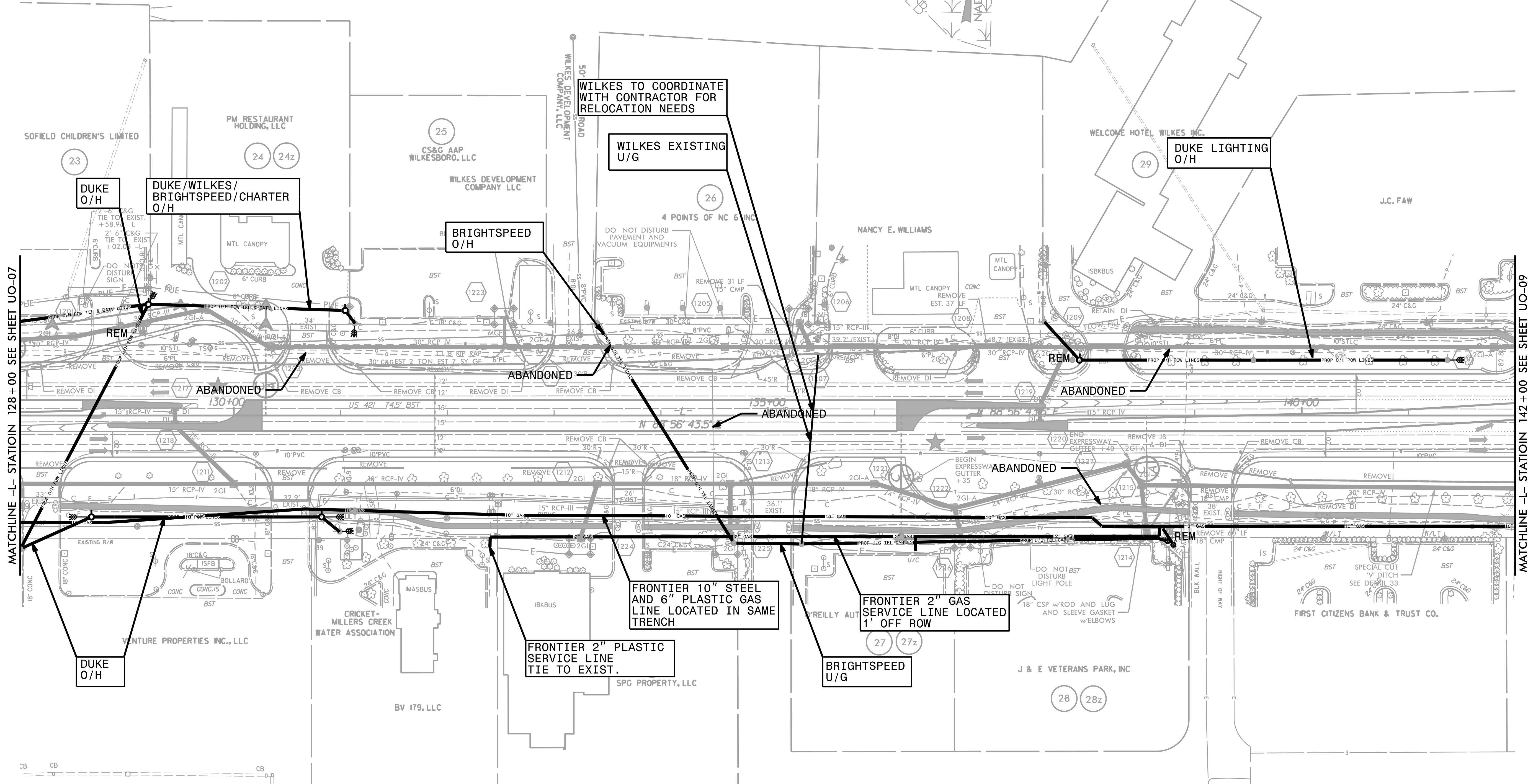
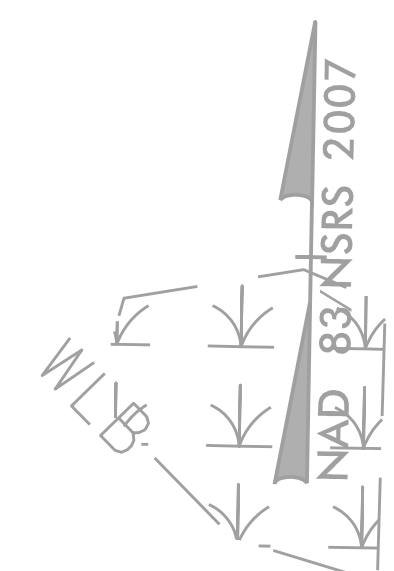
MATCHLINE -L- STATION 128+00 SEE SHEET UO-08

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### UTILITIES BY OTHERS

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MATCHLINE -L- STATION 128+00 SEE SHEET UO-07

MATCHLINE -L- STATION 142+00 SEE SHEET UO-09

REVISIONS

8/17/99

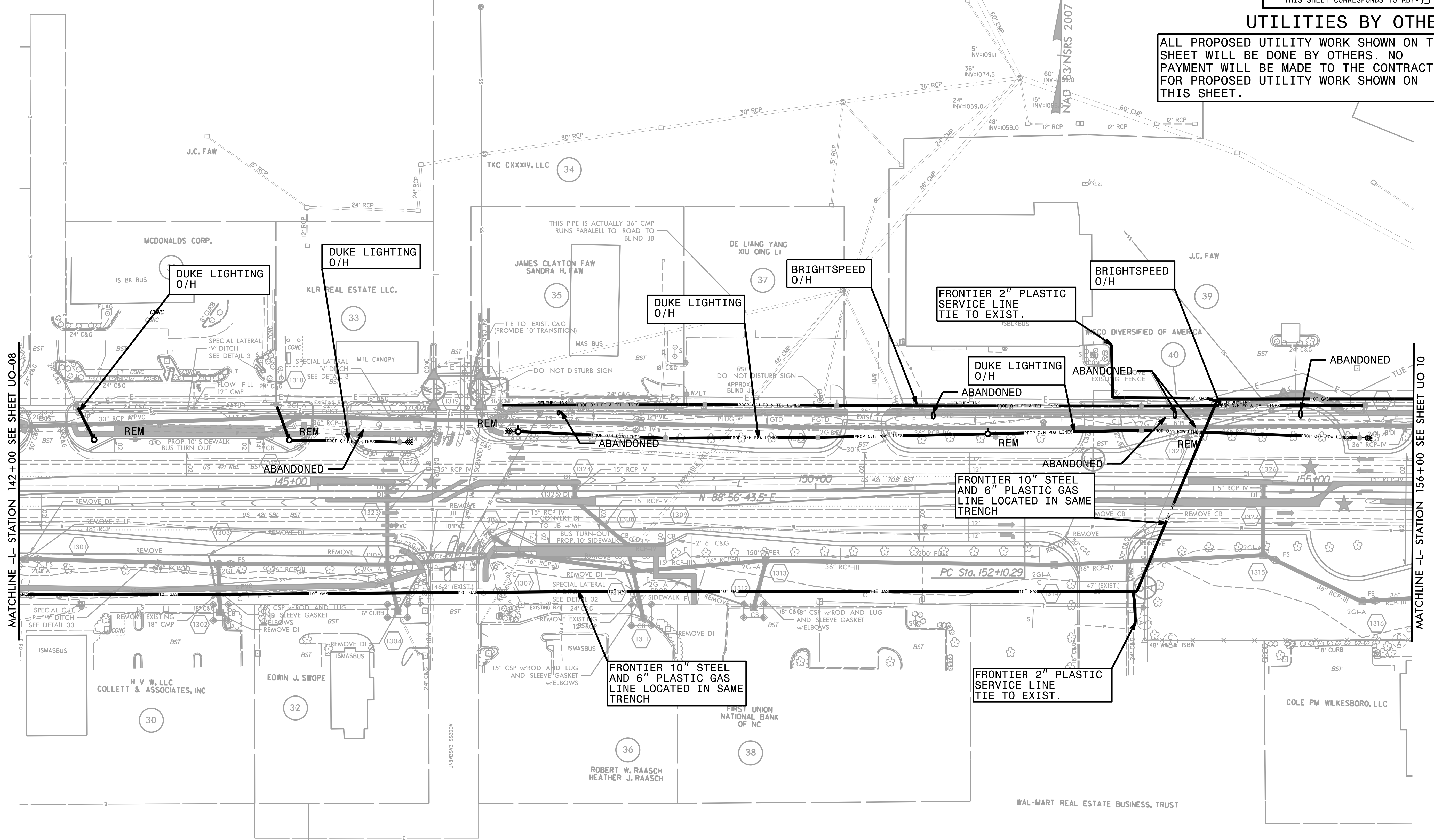
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PROJECT REFERENCE NO.	SHEET NO.
U-5312	UO-09
THIS SHEET CORRESPONDS TO RDY-13	

# UTILITIES BY OTHERS

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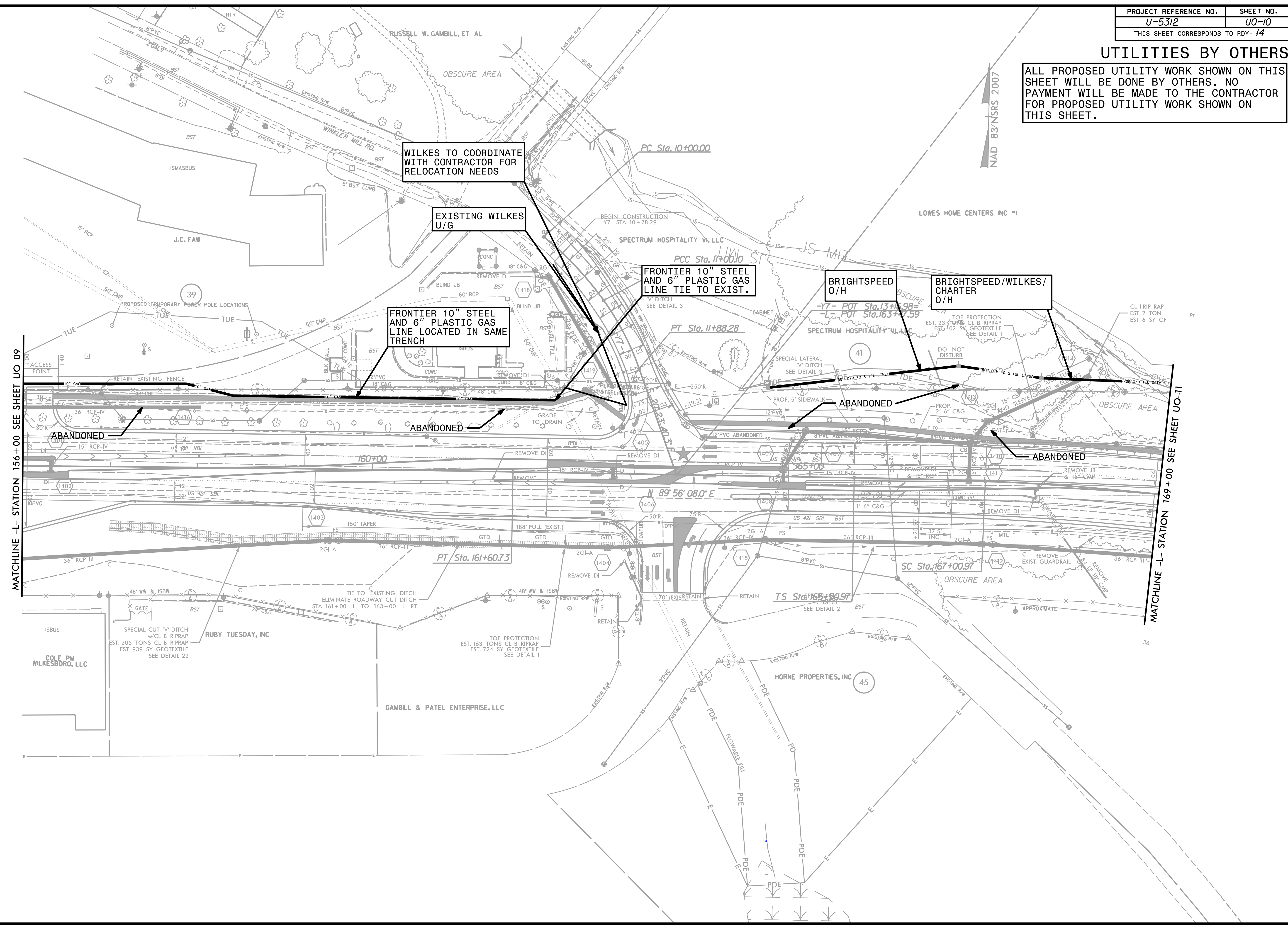
REVISIONS

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### UTILITIES BY OTHERS

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REVISIONS

MATCHLINE -L- STATION 156+00 SEE SHEET UO-09

MATCHLINE -L- STATION 169+00 SEE SHEET UO-11

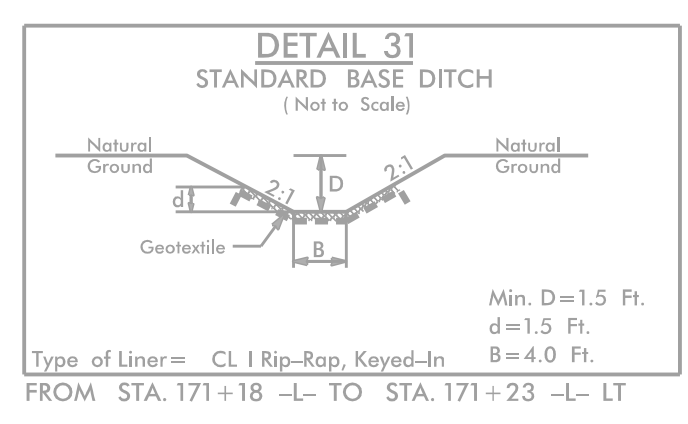
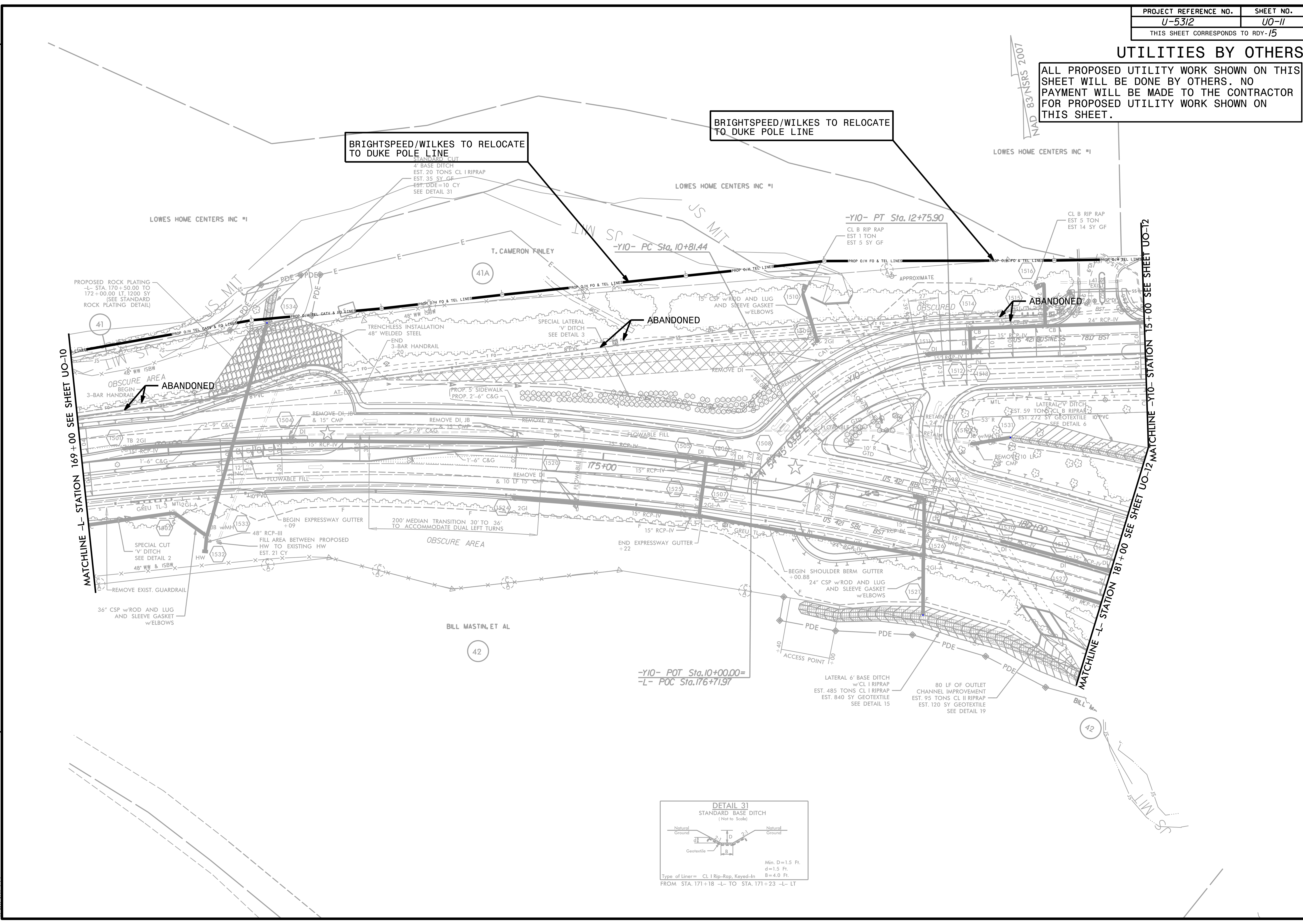
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### UTILITIES BY OTHERS

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BRIGHTSPEED/WILKES TO RELOCATE TO DUKE POLE LINE

BRIGHTSPEED/WILKES TO RELOCATE TO DUKE POLE LINE



REVISIONS

8/17/99  
 3/23/2023  
 12:02:51  
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MATCHLINE -L- STATION 169+00 SEE SHEET UO-10

MATCHLINE -L- STATION 181+00 SEE SHEET UO-12

PROPOSED ROCK PLATING  
 -L- STA. 170+50.00 TO  
 172+00.00 LT, 1200 SY  
 (SEE STANDARD  
 ROCK PLATING DETAIL)

OBSCURE AREA  
 BEGIN  
 3-BAR HANDRAIL

SPECIAL CUT  
 'V' DITCH  
 SEE DETAIL 2  
 48" WW & ISBW

36" CSP w/ROD AND LUG  
 AND SLEEVE GASKET  
 w/ELBOWS

STANDARD CUT  
 4" BASE DITCH  
 EST. 20 TONS CL I RIPRAP  
 EST. 35 SY GF  
 EST. DDE=10 CY  
 SEE DETAIL 31

TRENCHLESS INSTALLATION  
 48" WELDED STEEL  
 END  
 3-BAR HANDRAIL

PROP. 5' SIDEWALK  
 PROP. 2'-6" C&G

200' MEDIAN TRANSITION 30' TO 36'  
 TO ACCOMMODATE DUAL LEFT TURNS

BEGIN EXPRESSWAY GUTTER  
 +09

48" RCP-III  
 FILL AREA BETWEEN PROPOSED  
 HW TO EXISTING HW  
 EST. 21 CY

END EXPRESSWAY GUTTER  
 +22

-Y10- PC Sta. 10+81.44

ABANDONED

ABANDONED

175+00

-Y10- POT Sta. 10+00.00=  
 -L- POC Sta. 176+71.97

15" RCP-IV

42

ACCESS POINT

LATERAL 6' BASE DITCH  
 w/CL I RIPRAP  
 EST. 485 TONS CL I RIPRAP  
 EST. 840 SY GEOTEXTILE  
 SEE DETAIL 15

80 LF OF OUTLET  
 CHANNEL IMPROVEMENT  
 EST. 95 TONS CL II RIPRAP  
 EST. 120 SY GEOTEXTILE  
 SEE DETAIL 19

-Y10- PT Sta. 12+75.90  
 CL B RIP RAP  
 EST 1 TON  
 EST 5 SY GF

ABANDONED

ABANDONED

15" RCP-IV

US 421 SBL

15" RCP-IV

15" RCP-IV

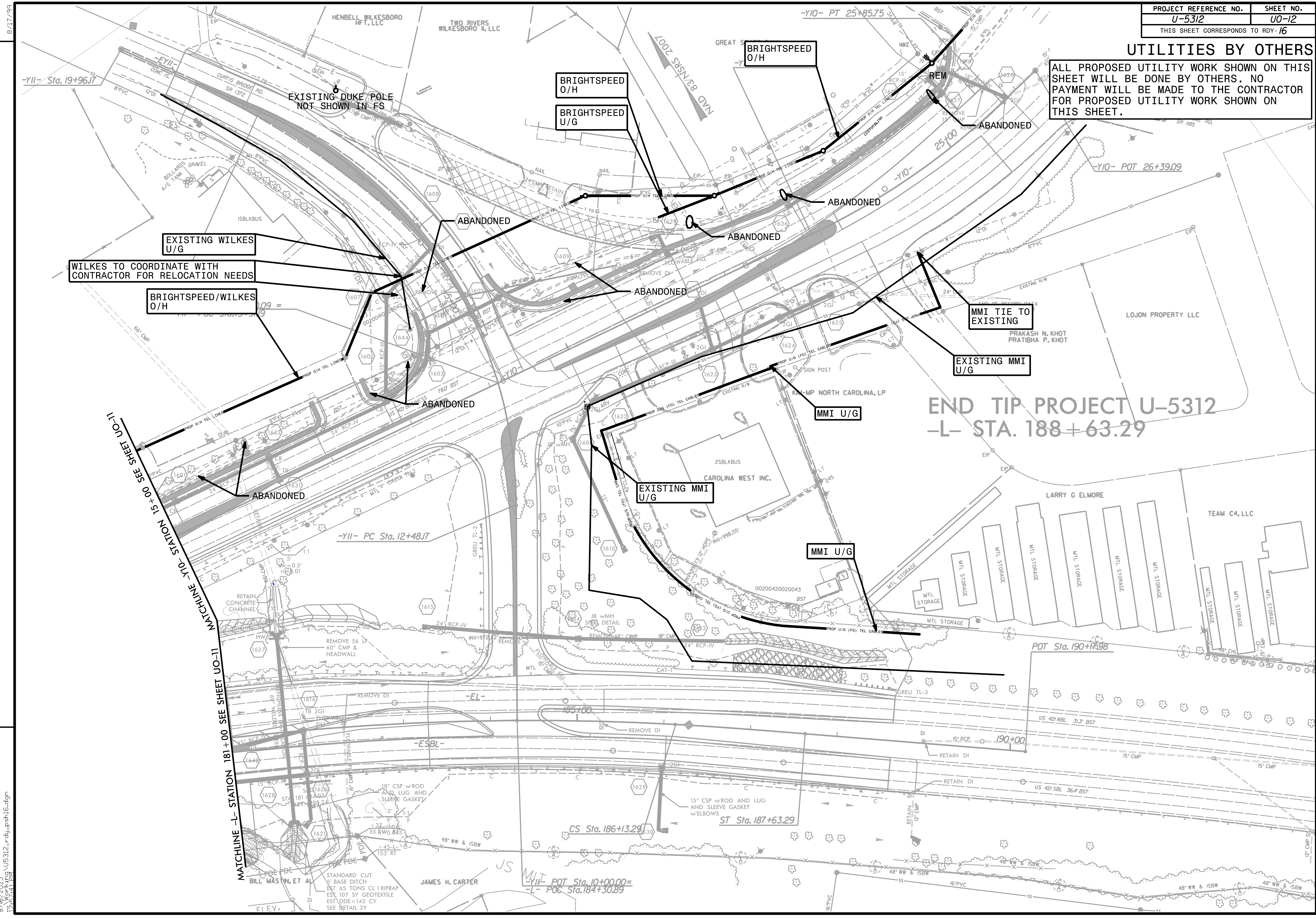
15" RCP-IV

15" RCP-IV

15" RCP-IV

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END TIP PROJECT U-5312  
-L- STA. 188+63.29

REVISIONS

MATCHLINE -L- STATION 181+00 SEE SHEET U0-11  
MATCHLINE -Y11- STATION 15+00 SEE SHEET U0-11

8/17/199  
8/16/2023  
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