

2/18/2019 \\P:\af-srv\02\Projects\2013\13111_Utility_Coordination\NCDDT\001_R-5021R-5021\Utilities\Engineering\UB0\Proj\00-R-5021\UB0s_Dry_0NL\YR-5021\ut_tsh_U01_psh.dgn
 09/08/99

TIP PROJECT: R-5021

CONTRACT:

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

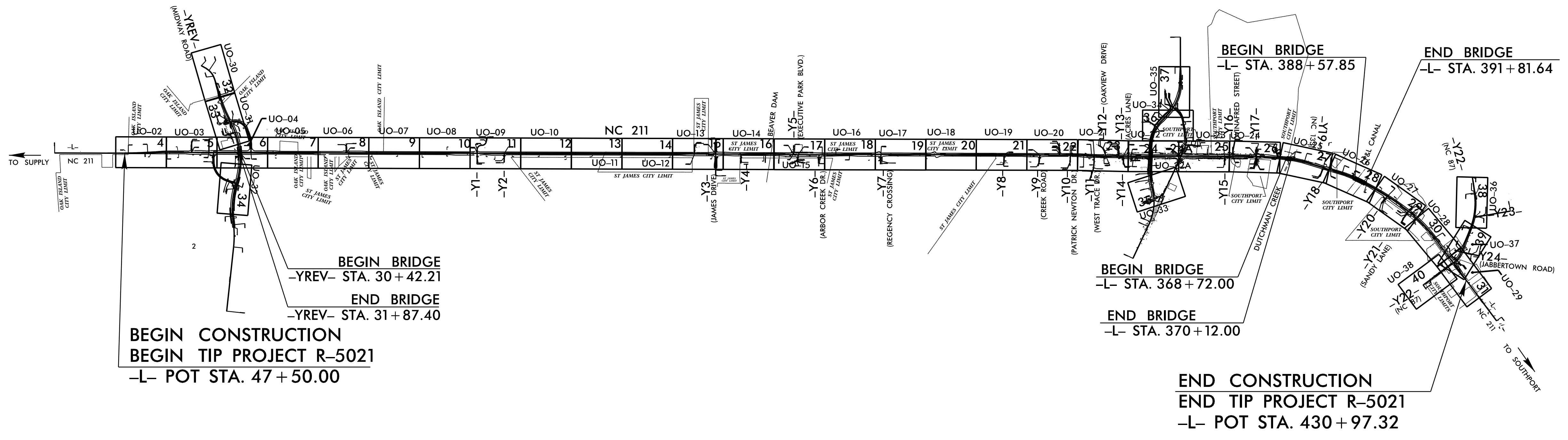
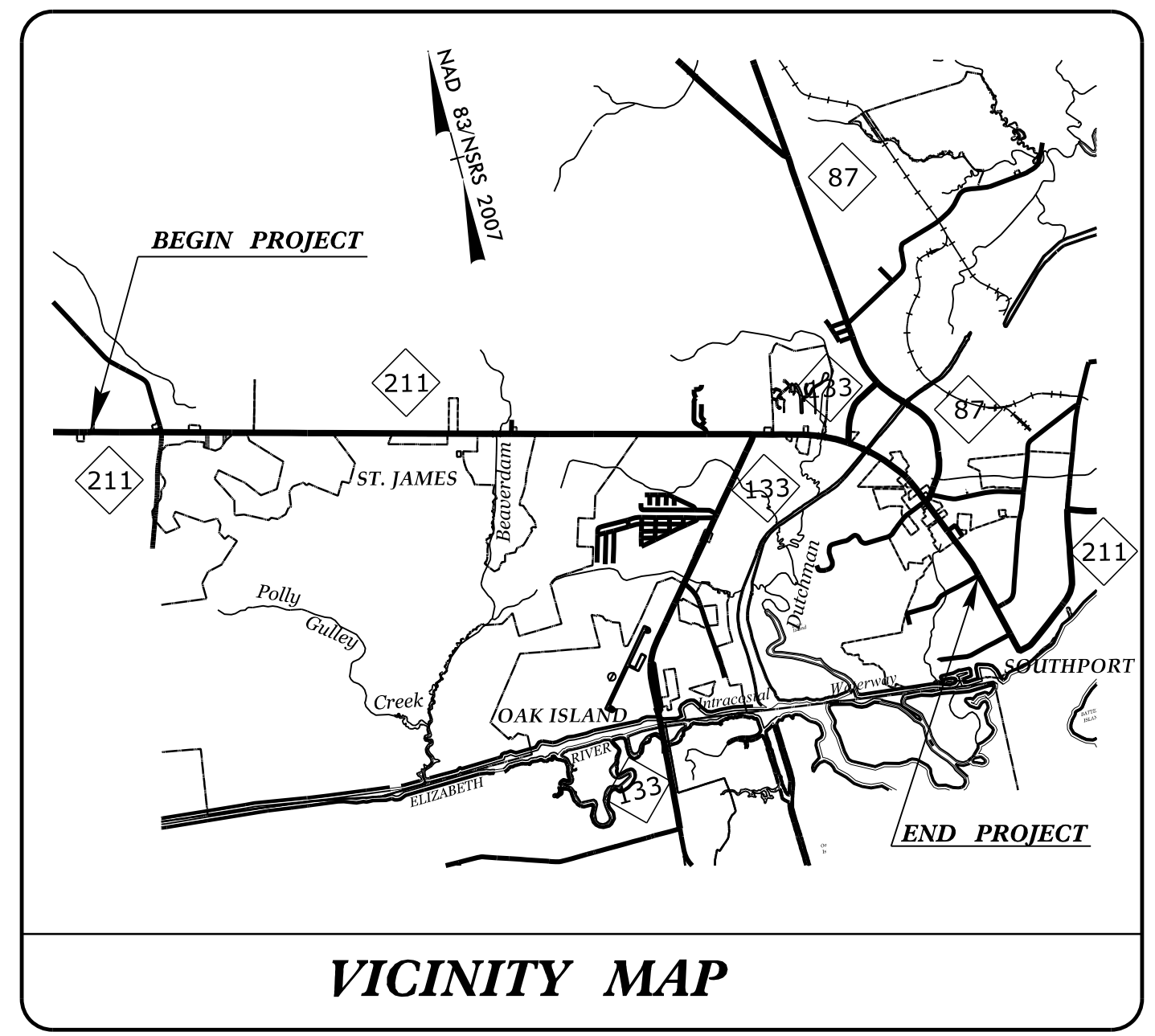
**UTILITIES BY OTHERS PLANS
BRUNSWICK COUNTY**

**LOCATION: NC 211 FROM WEST OF SR 1500 (MIDWAY ROAD)
TO EAST OF NC 87**

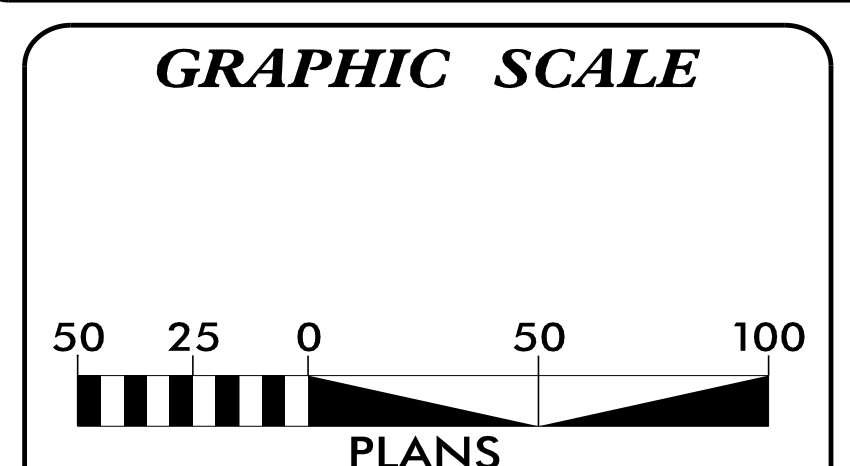
**TYPE OF WORK: POWER, COMMUNICATIONS,
AND NATURAL GAS**

T.I.P. NO.	SHEET NO.
R-5021	UO-1

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



HNTB HNTB NORTH CAROLINA, P.C.
349 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554



INDEX OF SHEETS

SHEET NO.:	DESCRIPTION:
UO-1	TITLE SHEET
UO-02 THRU UO-38	UBO PLAN SHEETS

- UTILITY OWNERS WITH CONFLICTS**
- A) BRUNSWICK EMC - POWER (TRANS)
 - B) BRUNSWICK EMC - POWER (DIST)
 - C) DUKE ENERGY - POWER (DIST)
 - D) CITY OF SOUTHPORT POWER - POWER (DIST)
 - E) PIEDMONT NATURAL GAS - NATURAL GAS
 - F) AT&T - TELECOM AND FIBER OPTIC
 - G) ATMC - TELECOM AND FIBER OPTIC
 - H) SPECTRUM - CATV

PREPARED IN THE OFFICE OF:

RK&K

RUMMEL, KLEPPER & KAHL, LLP
900 RIDGEFIELD DRIVE, SUITE 350
RALEIGH, NORTH CAROLINA 27609
NC LICENSE NO. F-0112
1-888-521-4455 OR 919-878-9560

Howard Woodall, PE UTILITY PROJECT MANAGER
Mark Lawson PROJECT UTILITY COORDINATOR
Mark Lawson PROJECT UTILITY CADD DESIGNER

**DIVISION OF HIGHWAYS
UTILITIES UNIT**
1555 MAIL SERVICES CENTER
RALEIGH, NC 27699-1555
PHONE (919) 707-6690
FAX (919) 250-4151

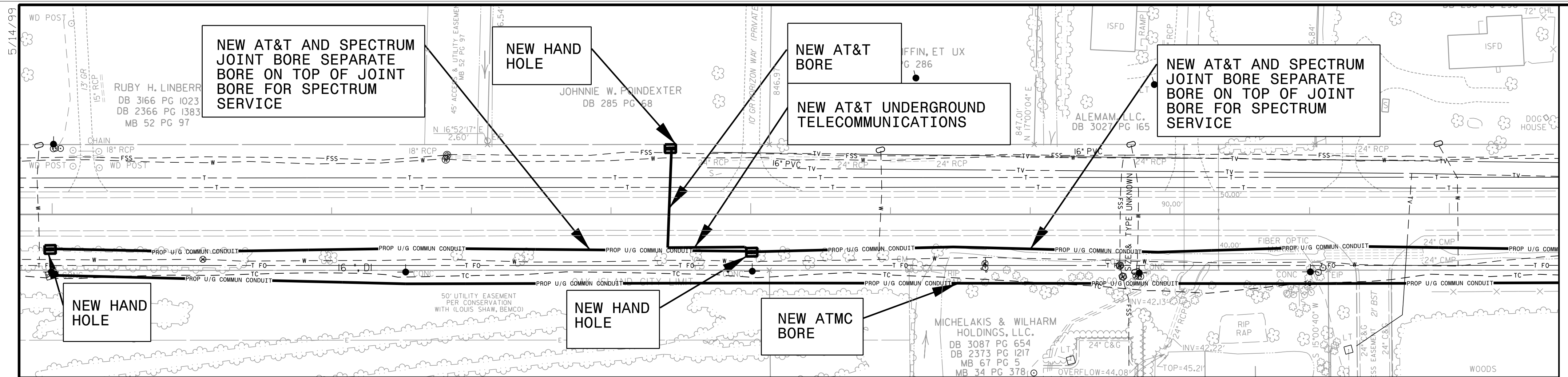
Bo Hemphill, PE UTILITIES REGIONAL ENGINEER
Nabil Hamdan UTILITIES ENGINEER
Kyle Pleasant UTILITIES AREA COORDINATOR
Larry James UTILITIES COORDINATOR

UTILITIES BY OTHERS

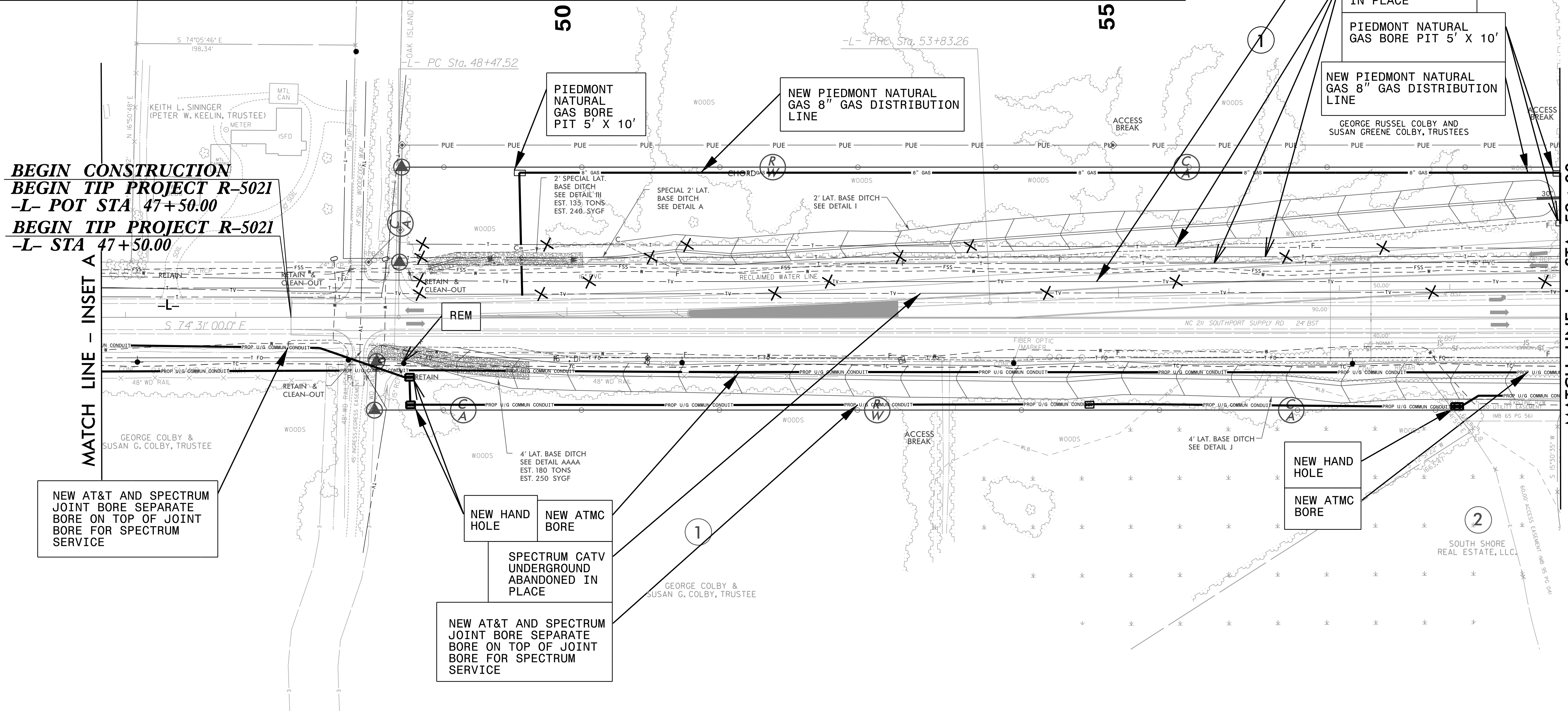
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Raleigh, North Carolina 27609
NC License No. C-1554

- SPECTRUM CATV UNDERGROUND ABANDONED IN PLACE
- ATMC UNDERGROUND TO BE ABANDONED IN PLACE
- PIEDMONT NATURAL GAS BORE PIT 5' X 10'
- NEW PIEDMONT NATURAL GAS 8" GAS DISTRIBUTION LINE
- GEORGE RUSSEL COLBY AND SUSAN GREENE COLBY, TRUSTEES



MATCH LINE - INSET A



MATCH LINE - INSET A

MATCH LINE -L- STA 59+00 SEE SHEET UO-03

UTILITY OWNERS ON THIS SHEET

- BRUNSWICK - POWER (TRANS)
- BRUNSWICK EMC - POWER (DIST)
- AT&T - TELECOMMUNICATIONS/FIBER OPTIC
- ATMC - TELECOMMUNICATIONS/FIBER OPTIC
- SPECTRUM - CATV
- PIEDMONT NATURAL GAS - NATURAL GAS

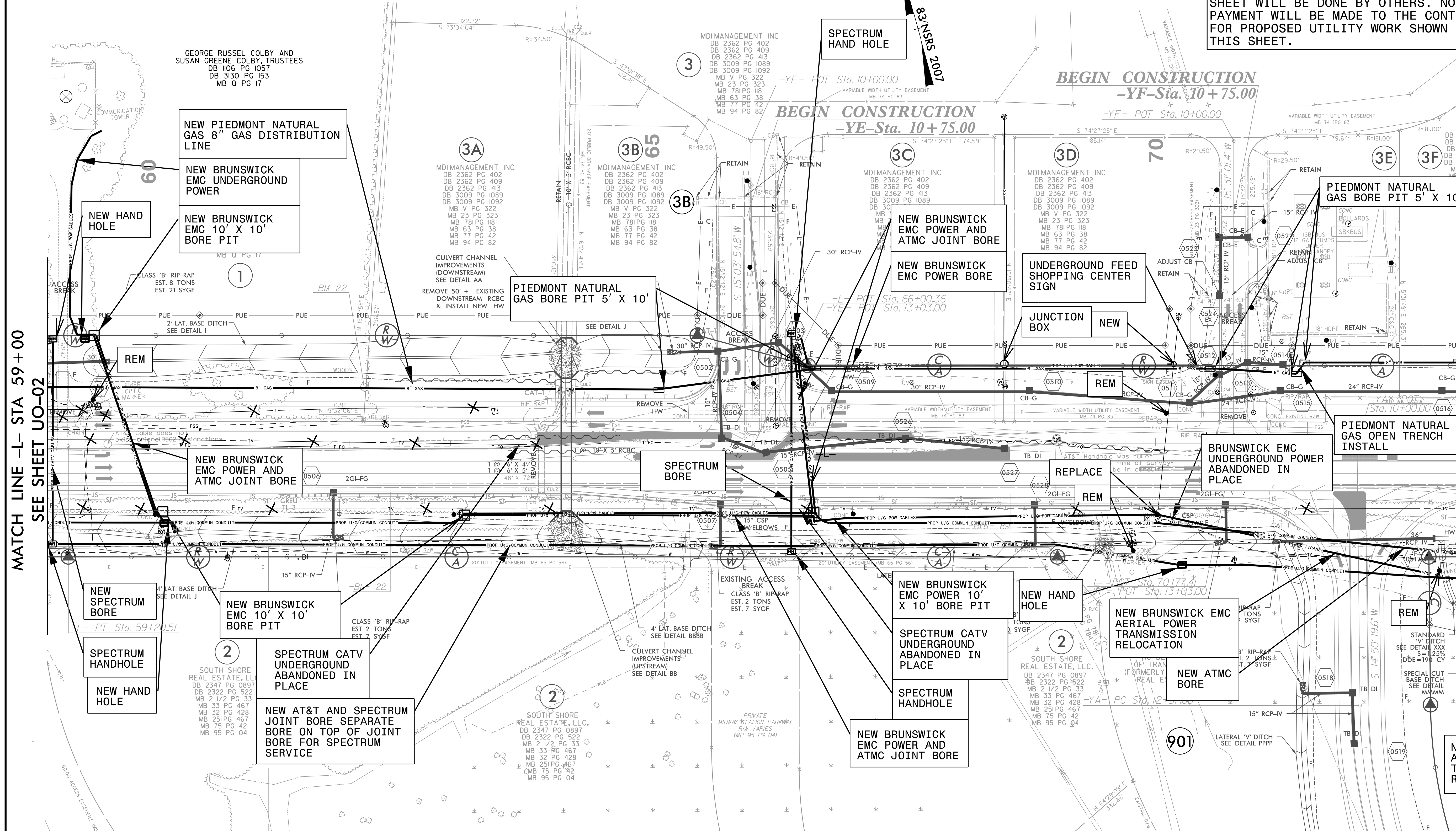
NOTE:
1. PIEDMONT NATURAL GAS WILL OPEN TRENCH CUT ALL GAS LINE THAT IS LESS THAN 100', EXCEPT IN WETLAND AREAS

PLANS PREPARED BY :
RK&K
RUMMEL, KLEPPER & KAHL, LLP
900 RIDGEFIELD DRIVE SUITE 350
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UTILITIES BY OTHERS

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MATCH LINE -L- STA 59+00
SEE SHEET UO-02

MATCH LINE -L- STA 73+00
SEE SHEET UO-04

UTILITY OWNERS ON THIS SHEET

- BRUNSWICK - POWER (TRANS)
- BRUNSWICK EMC - POWER (DIST)
- AT&T - TELECOMMUNICATIONS/FIBER OPTIC
- AT&T - TELECOMMUNICATIONS/FIBER OPTIC
- SPECTRUM - CATV
- PIEDMONT NATURAL GAS - NATURAL GAS

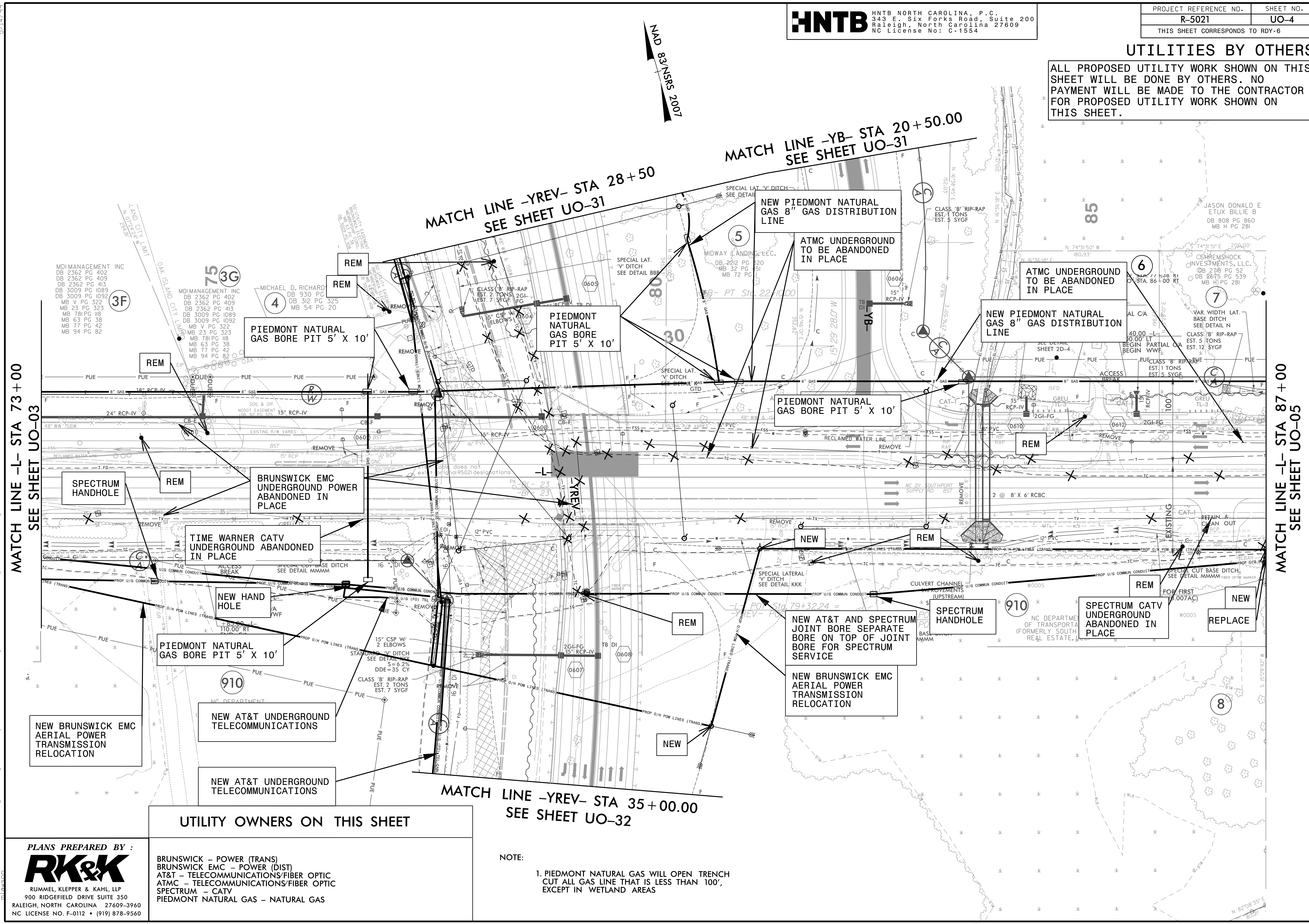
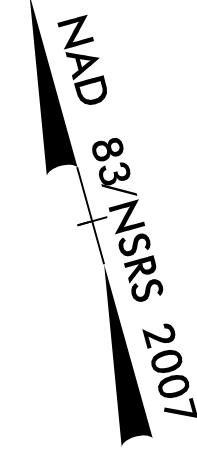
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NOTE:
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 5/18/2010
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MATCH LINE -L- STA 73+00
SEE SHEET UO-03

MATCH LINE -YREV- STA 28+50
SEE SHEET UO-31

MATCH LINE -YB- STA 20+50.00
SEE SHEET UO-31

MATCH LINE -YREV- STA 35+00.00
SEE SHEET UO-32

MATCH LINE -L- STA 87+00
SEE SHEET UO-05

UTILITY OWNERS ON THIS SHEET

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- BRUNSWICK - POWER (TRANS)
- BRUNSWICK EMC - POWER (DIST)
- AT&T - TELECOMMUNICATIONS/FIBER OPTIC
- AT&M - TELECOMMUNICATIONS/FIBER OPTIC
- SPECTRUM - CATV
- PIEDMONT NATURAL GAS - NATURAL GAS

NOTE:
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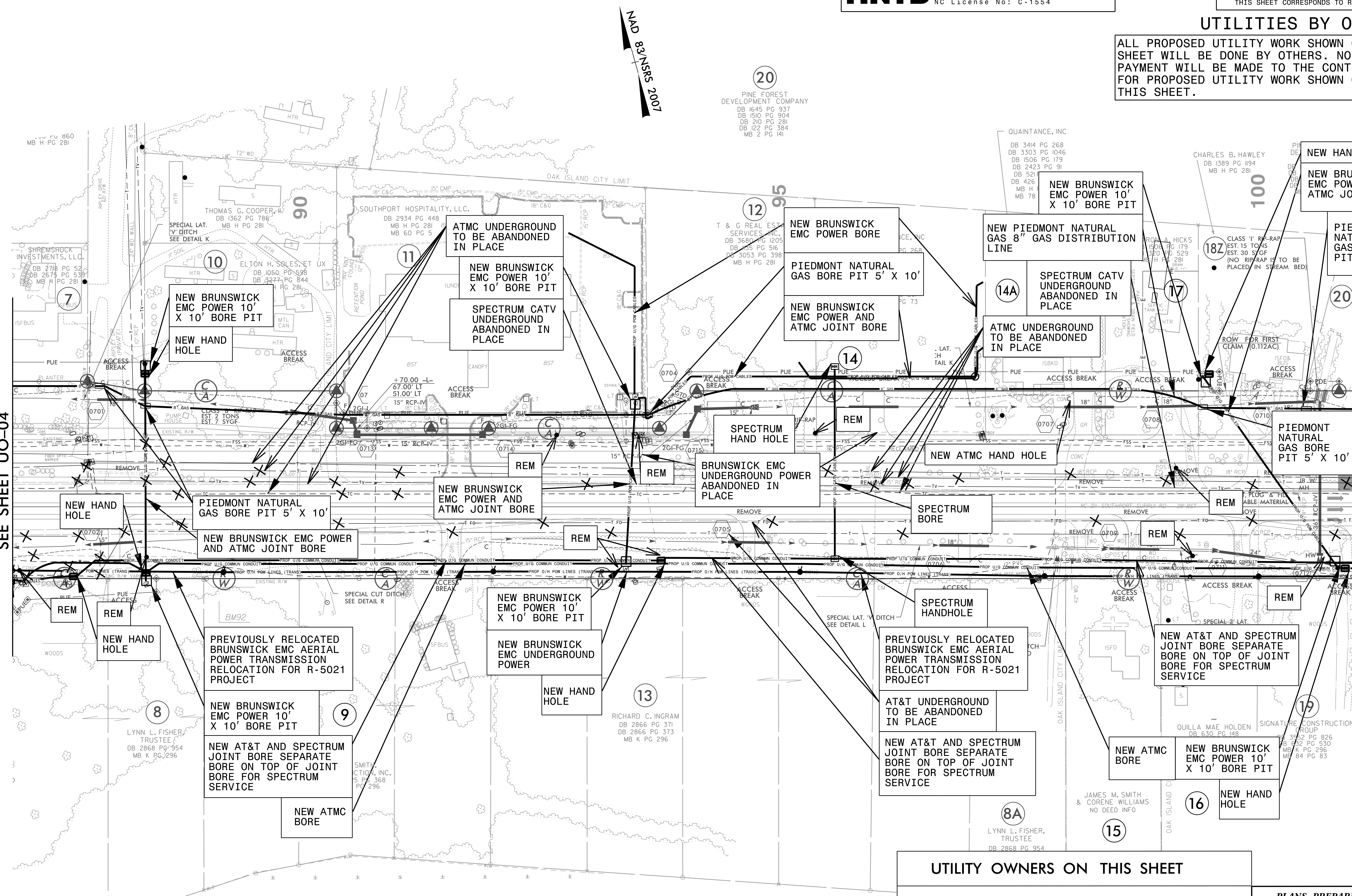
UTILITIES BY OTHERS

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MATCH LINE -L- STA 87 + 00.00
SEE SHEET UO-04

MATCH LINE -L- STA 101 + 00.00
SEE SHEET UO-06



NOTE:
 1. PIEDMONT NATURAL GAS WILL OPEN TRENCH CUT ALL GAS LINE THAT IS LESS THAN 100', EXCEPT IN WETLAND AREAS

UTILITY OWNERS ON THIS SHEET

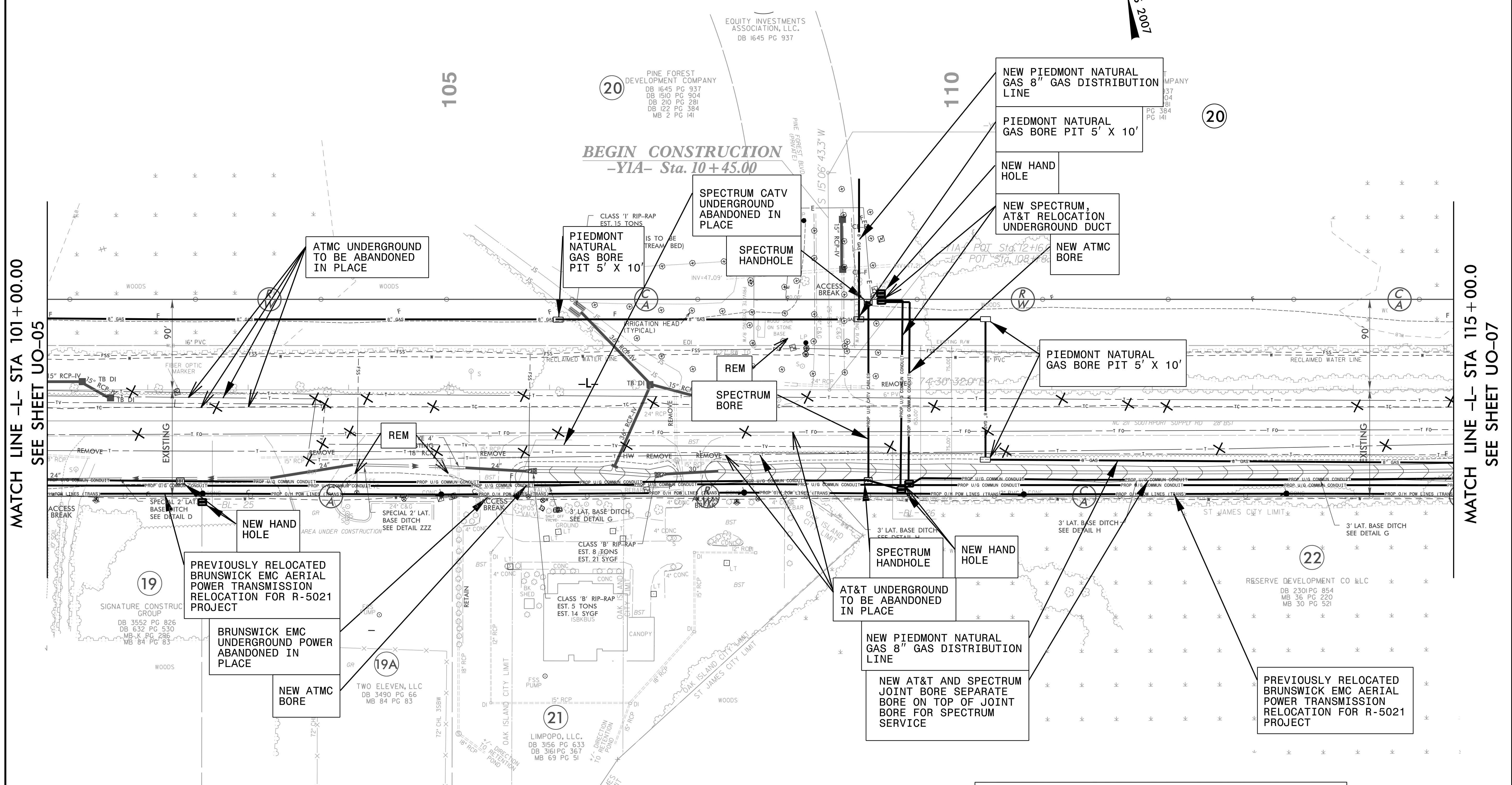
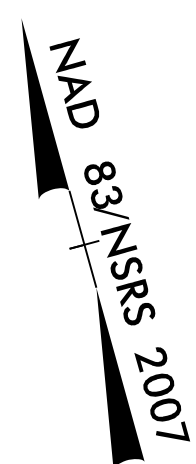
BRUNSWICK - POWER (TRANS)
 BRUNSWICK EMC - POWER (DIST)
 AT&T - TELECOMMUNICATIONS/FIBER OPTIC
 AT&T - TELECOMMUNICATIONS/FIBER OPTIC
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PLANS PREPARED BY :

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MATCH LINE -L- STA 101+00.00
SEE SHEET UO-05

MATCH LINE -L- STA 115+00.00
SEE SHEET UO-07

UTILITY OWNERS ON THIS SHEET

- BRUNSWICK - POWER (TRANS)
- BRUNSWICK EMC - POWER (DIST)
- AT&T - TELECOMMUNICATIONS/FIBER OPTIC
- ATMC - TELECOMMUNICATIONS/FIBER OPTIC
- SPECTRUM - CATV
- PIEDMONT NATURAL GAS - NATURAL GAS

PLANS PREPARED BY :

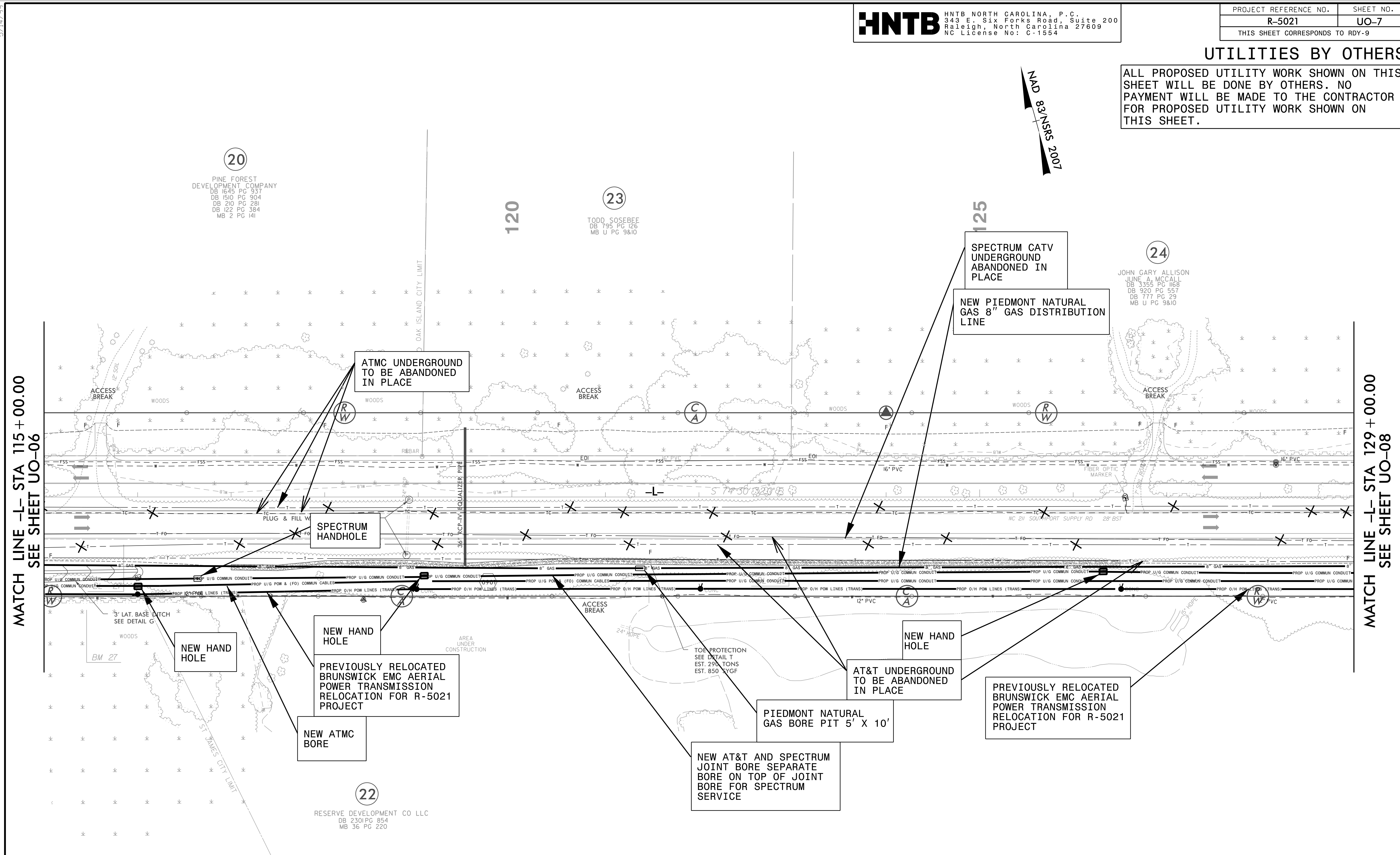
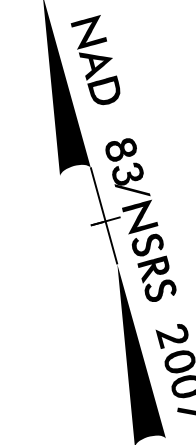
 RUMMEL, KLEPPER & KAHL, LLP
 900 RIDGEFIELD DRIVE SUITE 350
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2/14/2019
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MATCH LINE -L- STA 115 + 00.00
SEE SHEET UO-06

MATCH LINE -L- STA 129 + 00.00
SEE SHEET UO-08

20
 PINE FOREST DEVELOPMENT COMPANY
 DB 1645 PG 337
 DB 1510 PG 904
 DB 210 PG 281
 DB 122 PG 384
 MB 2 PG 141

23
 TODD SOSEBEE
 DB 795 PG 126
 MB U PG 9810

24
 JOHN GARY ALLISON
 JUNE A. MCCALL
 DB 3355 PG 168
 DB 920 PG 551
 DB 777 PG 29
 MB U PG 9810

22
 RESERVE DEVELOPMENT CO LLC
 DB 2301 PG 854
 MB 36 PG 220

UTILITY OWNERS ON THIS SHEET

- BRUNSWICK - POWER (TRANS)
- BRUNSWICK EMC - POWER (DIST)
- AT&T - TELECOMMUNICATIONS/FIBER OPTIC
- ATMC - TELECOMMUNICATIONS/FIBER OPTIC
- SPECTRUM - CATV
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PLANS PREPARED BY :

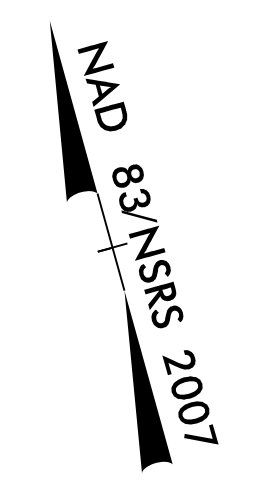
 RUMMEL, KLEPPER & KAHL, LLP
 900 RIDGEFIELD DRIVE SUITE 350
 RALEIGH, NORTH CAROLINA 27609-3960
 NC LICENSE NO. F-0112 • (919) 878-9560

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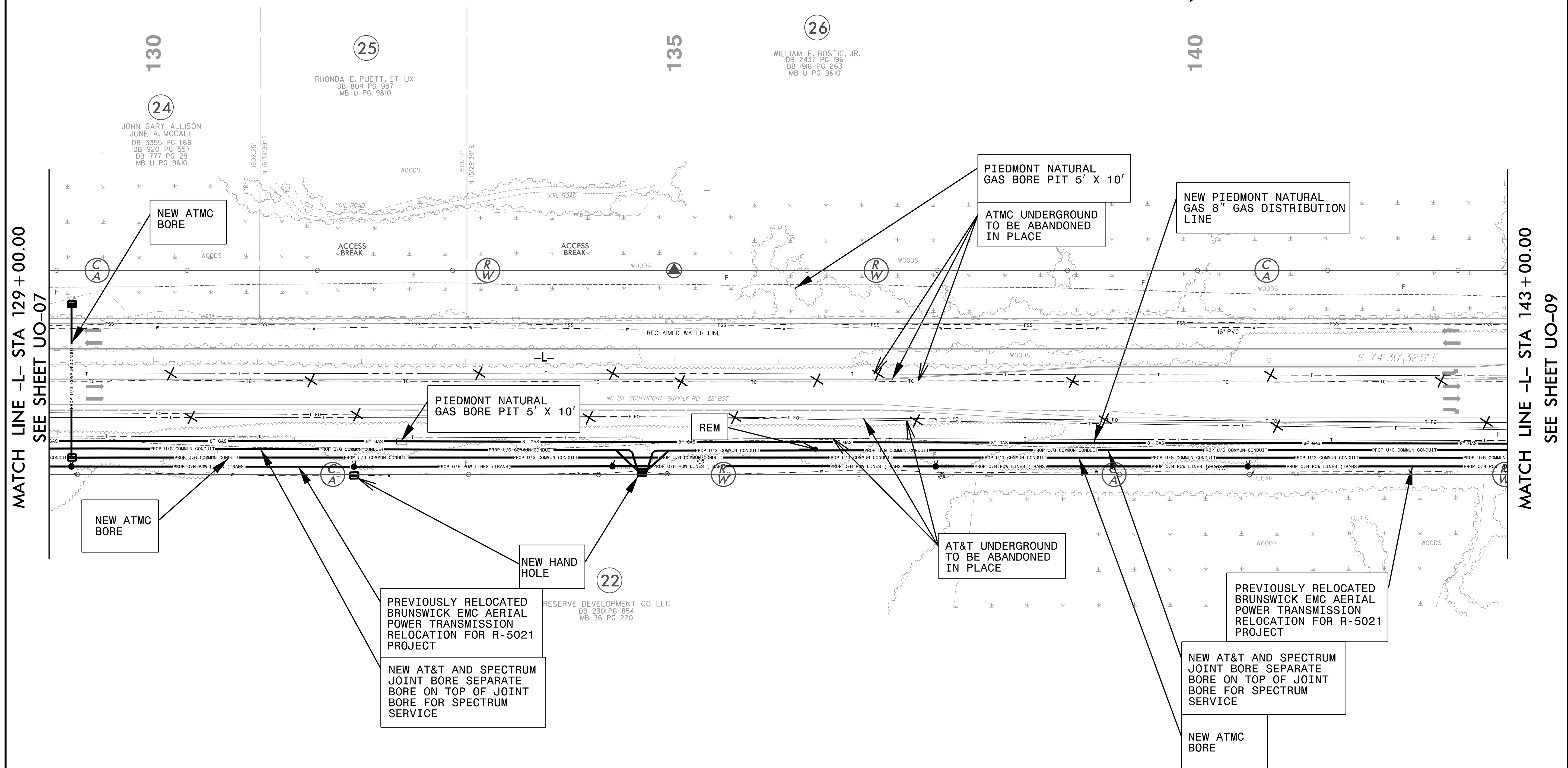
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 mawson

UTILITIES BY OTHERS

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MATCH LINE -L- STA 129 + 00.00
 SEE SHEET UO-07

MATCH LINE -L- STA 143 + 00.00
 SEE SHEET UO-09

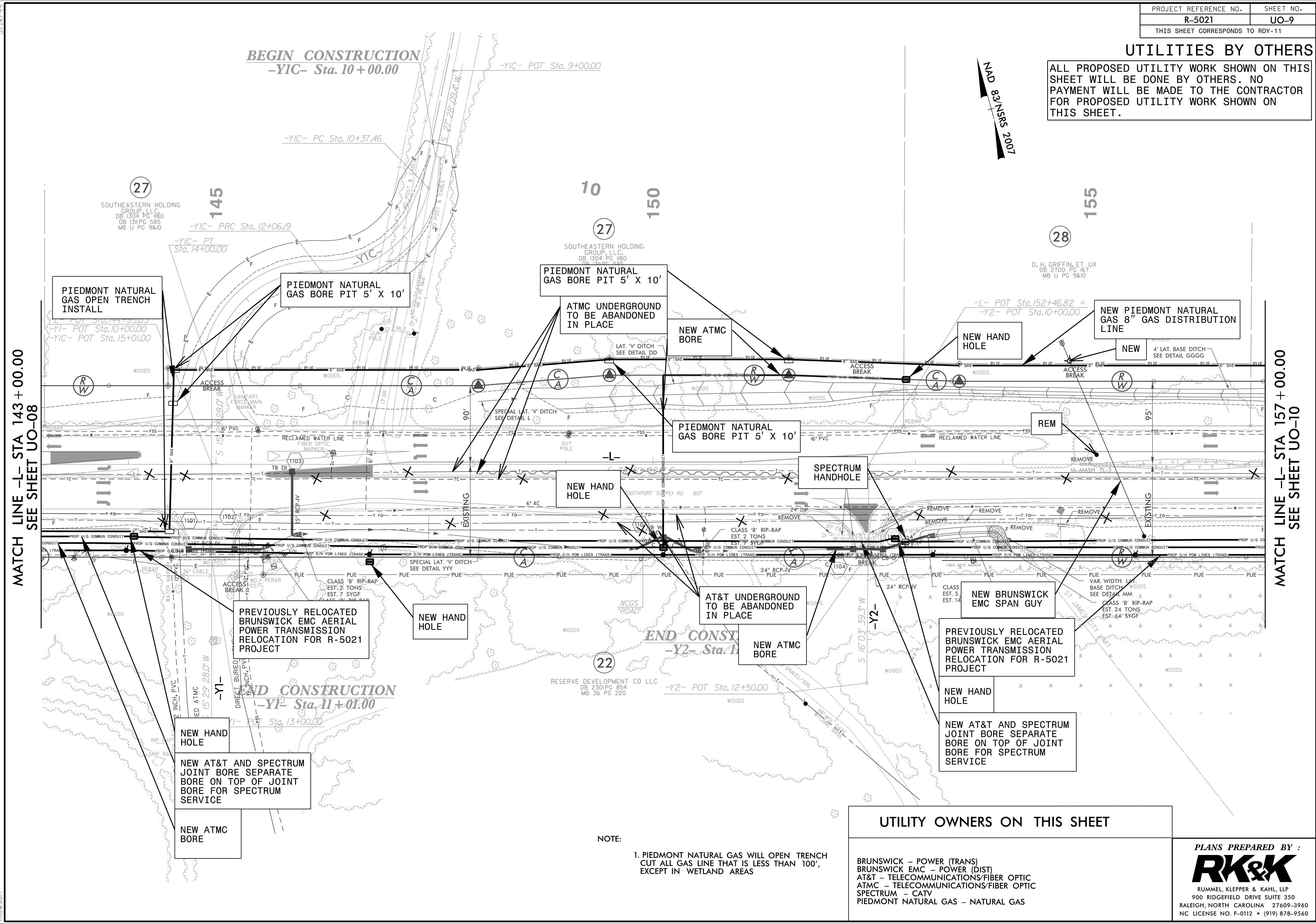
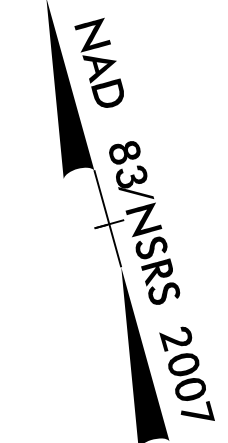
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UTILITY OWNERS ON THIS SHEET
BRUNSWICK - POWER (TRANS)
BRUNSWICK EMC - POWER (DIST)
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ATMC - TELECOMMUNICATIONS/FIBER OPTIC
SPECTRUM - CATV
PIEDMONT NATURAL GAS - NATURAL GAS

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MATCH LINE -L- STA 143 + 00.00
SEE SHEET UO-08

MATCH LINE -L- STA 157 + 00.00
SEE SHEET UO-10

BEGIN CONSTRUCTION
-Y1C- Sta. 10 + 00.00

END CONSTRUCTION
-Y2- Sta. 11 + 01.00

27
SOUTHEASTERN HOLDING GROUP, LLC
DB 1304 PG 180
MB U PG 585
MB U PG 9&10

27
SOUTHEASTERN HOLDING GROUP, LLC
DB 1304 PG 180
MB U PG 585
MB U PG 9&10

28
D. H. GRIFFIN, ET UX
DB 2700 PG 167
MB U PG 9&10

PIEDMONT NATURAL GAS OPEN TRENCH INSTALL

PIEDMONT NATURAL GAS BORE PIT 5' X 10'

PIEDMONT NATURAL GAS BORE PIT 5' X 10'

AT&T UNDERGROUND TO BE ABANDONED IN PLACE

NEW ATMC BORE

NEW HAND HOLE

NEW PIEDMONT NATURAL GAS 8" GAS DISTRIBUTION LINE

PIEDMONT NATURAL GAS BORE PIT 5' X 10'

NEW HAND HOLE

SPECTRUM HANDHOLE

AT&T UNDERGROUND TO BE ABANDONED IN PLACE

NEW ATMC BORE

NEW BRUNSWICK EMC SPAN GUY

PREVIOUSLY RELOCATED BRUNSWICK EMC AERIAL POWER TRANSMISSION RELOCATION FOR R-5021 PROJECT

NEW HAND HOLE

NEW AT&T AND SPECTRUM JOINT BORE SEPARATE BORE ON TOP OF JOINT BORE FOR SPECTRUM SERVICE

PREVIOUSLY RELOCATED BRUNSWICK EMC AERIAL POWER TRANSMISSION RELOCATION FOR R-5021 PROJECT

NEW HAND HOLE

NEW HAND HOLE

NEW AT&T AND SPECTRUM JOINT BORE SEPARATE BORE ON TOP OF JOINT BORE FOR SPECTRUM SERVICE

NEW ATMC BORE

UTILITY OWNERS ON THIS SHEET

- BRUNSWICK - POWER (TRANS)
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NOTE:

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PLANS PREPARED BY :

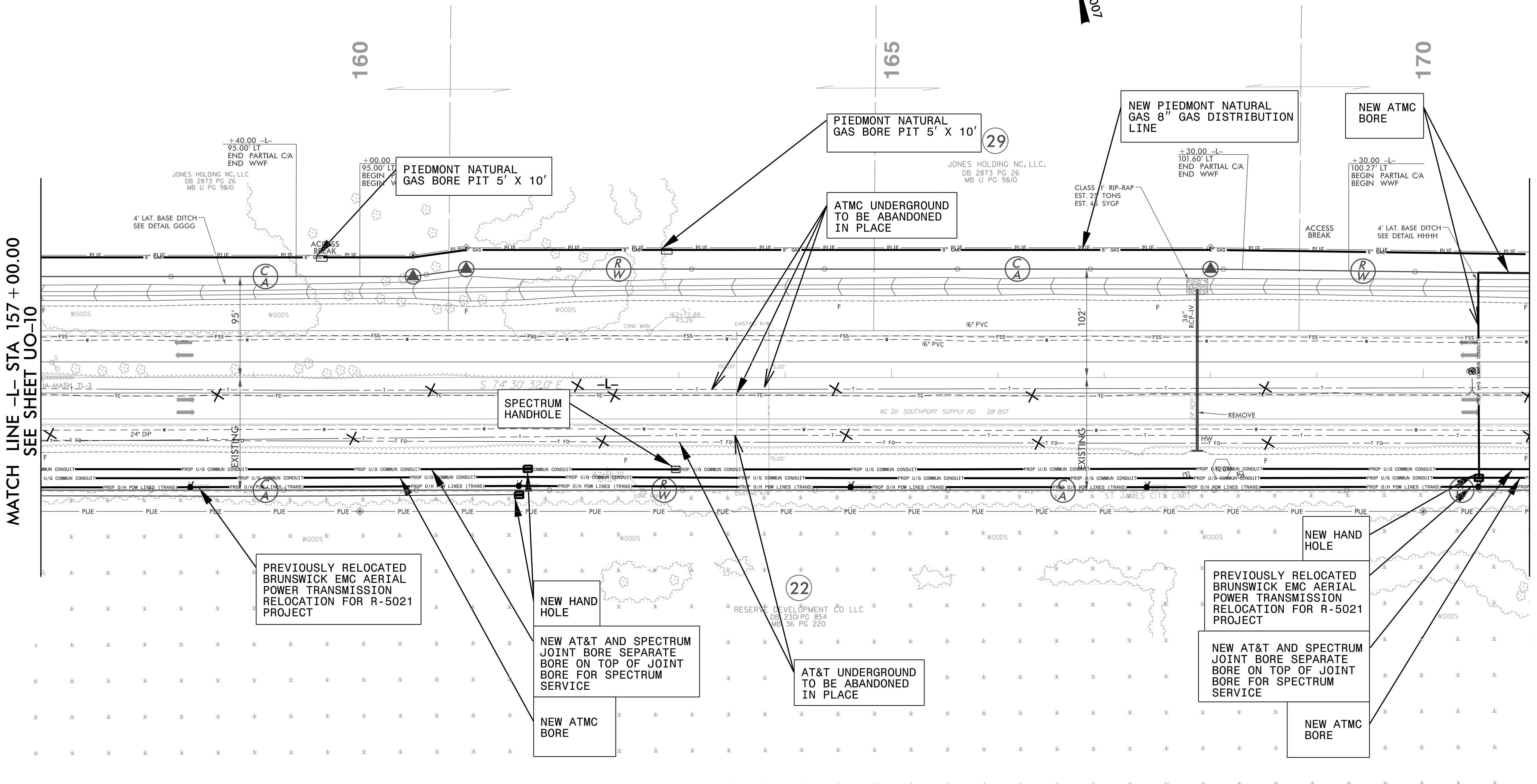
RK&K
RUMMEL, KLEPPER & KAHL, LLP
900 RIDGEFIELD DRIVE SUITE 350
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NC LICENSE NO. F-0112 • (919) 878-9560

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 2/14/2019
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 mawison



UTILITY OWNERS ON THIS SHEET

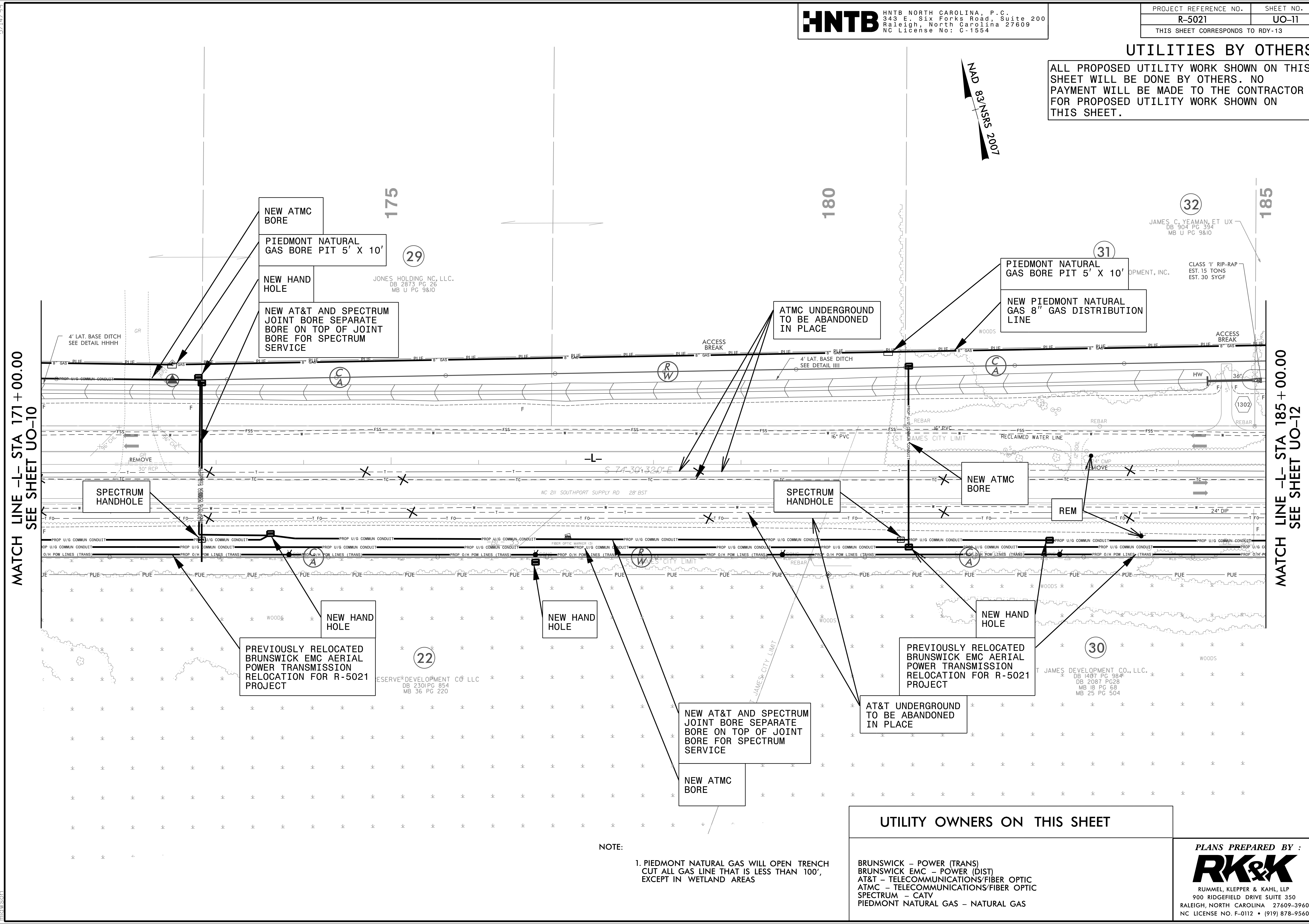
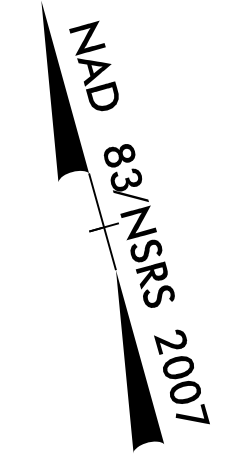
- BRUNSWICK - POWER (TRANS)
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MATCH LINE -L- STA 171 + 00.00
SEE SHEET UO-10

MATCH LINE -L- STA 185 + 00.00
SEE SHEET UO-12

UTILITY OWNERS ON THIS SHEET

- BRUNSWICK - POWER (TRANS)
- BRUNSWICK EMC - POWER (DIST)
- AT&T - TELECOMMUNICATIONS/FIBER OPTIC
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PLANS PREPARED BY :

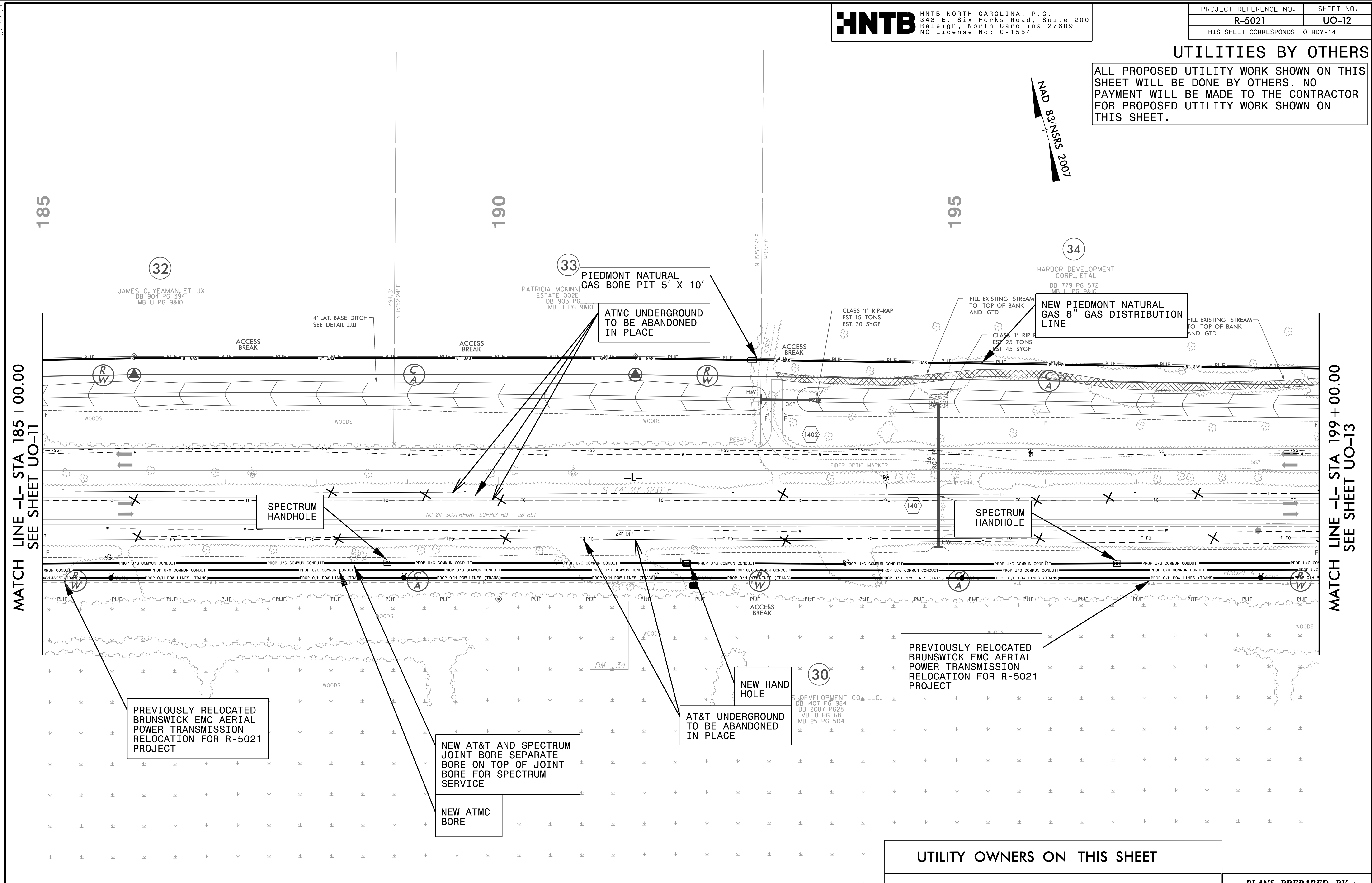
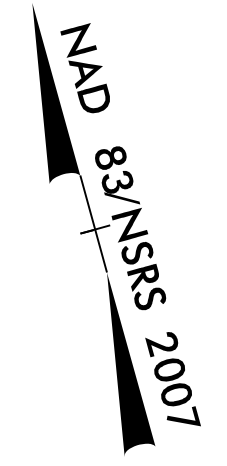


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 1. PIEDMONT NATURAL GAS WILL OPEN TRENCH CUT ALL GAS LINE THAT IS LESS THAN 100', EXCEPT IN WETLAND AREAS

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MATCH LINE -L- STA 185 + 00.00
SEE SHEET UO-11

MATCH LINE -L- STA 199 + 00.00
SEE SHEET UO-13

PREVIOUSLY RELOCATED BRUNSWICK EMC AERIAL POWER TRANSMISSION RELOCATION FOR R-5021 PROJECT

PREVIOUSLY RELOCATED BRUNSWICK EMC AERIAL POWER TRANSMISSION RELOCATION FOR R-5021 PROJECT

NEW AT&T AND SPECTRUM JOINT BORE SEPARATE BORE ON TOP OF JOINT BORE FOR SPECTRUM SERVICE

NEW AT&T BORE

AT&T UNDERGROUND TO BE ABANDONED IN PLACE

PIEDMONT NATURAL GAS BORE PIT 5' X 10'
 AT&T UNDERGROUND TO BE ABANDONED IN PLACE

PREVIOUSLY RELOCATED BRUNSWICK EMC AERIAL POWER TRANSMISSION RELOCATION FOR R-5021 PROJECT

UTILITY OWNERS ON THIS SHEET

- BRUNSWICK - POWER (TRANS)
- BRUNSWICK EMC - POWER (DIST)
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- AT&T - TELECOMMUNICATIONS/FIBER OPTIC
- SPECTRUM - CATV
- PIEDMONT NATURAL GAS - NATURAL GAS

PLANS PREPARED BY :

 RUMMEL, KLEPPER & KAHL, LLP
 900 RIDGEFIELD DRIVE SUITE 350
 RALEIGH, NORTH CAROLINA 27609-3960
 NC LICENSE NO. F-0112 • (919) 878-9560

NOTE:
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PLANS PREPARED BY :



RUMMEL, KLEPPER & KAHL, LLP
900 RIDGEFIELD DRIVE SUITE 350
RALEIGH, NORTH CAROLINA 27609-3960
NC LICENSE NO. F-0112 • (919) 878-9560

UTILITY OWNERS ON THIS SHEET

BRUNSWICK - POWER (TRANS)
BRUNSWICK EMC - POWER (DIST)
AT&T - TELECOMMUNICATIONS/FIBER OPTIC
ATMC - TELECOMMUNICATIONS/FIBER OPTIC
SPECTRUM - CATV
PIEDMONT NATURAL GAS - NATURAL GAS



HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

PROJECT REFERENCE NO. SHEET NO.

R-5021 UO-13

THIS SHEET CORRESPONDS TO RDY-15

UTILITIES BY OTHERS

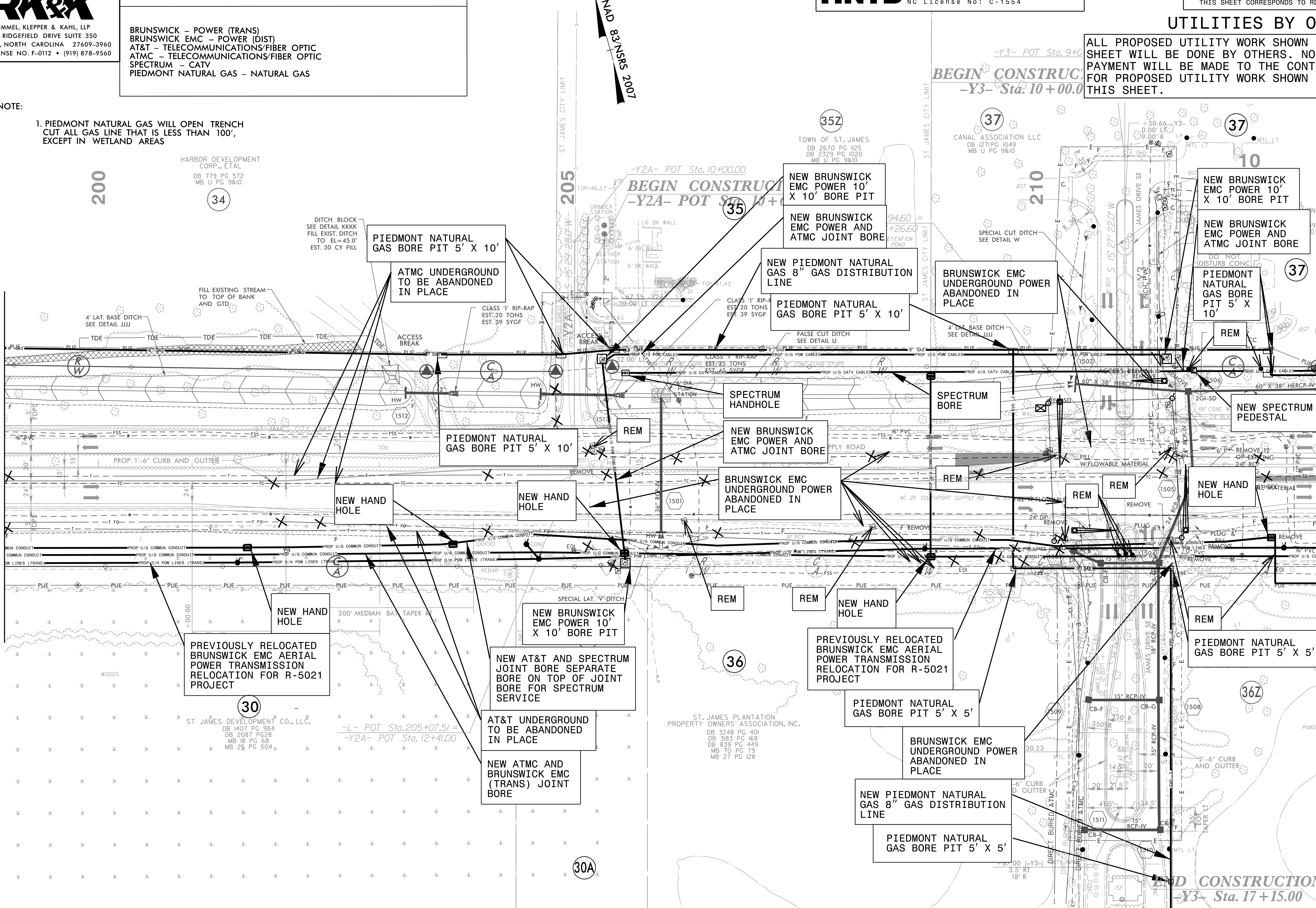
ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.

NOTE:

1. PIEDMONT NATURAL GAS WILL OPEN TRENCH CUT ALL GAS LINE THAT IS LESS THAN 100', EXCEPT IN WETLAND AREAS

MATCH LINE -L- STA 199+00.00
SEE SHEET UO-12

MATCH LINE -L- STA 213+00.00
SEE SHEET UO-14



200

HARBOR DEVELOPMENT CORP., ETAL
DB 779 PG 572
MB U PG 9&10

34

DITCH BLOCK
SEE DETAIL KKKK
FILL EXIST. DITCH
TO EL=45.0'
EST. 30 CY FILL

PIEDMONT NATURAL GAS BORE PIT 5' X 10'

ATMC UNDERGROUND TO BE ABANDONED IN PLACE

PIEDMONT NATURAL GAS BORE PIT 5' X 10'

NEW HAND HOLE

NEW HAND HOLE

PREVIOUSLY RELOCATED BRUNSWICK EMC AERIAL POWER TRANSMISSION RELOCATION FOR R-5021 PROJECT

30

ST JAMES DEVELOPMENT CO., LLC.
DB 1407 PG 984
DB 2087 PG 228
MB 18 PG 68
MB 25 PG 504

-L- POT Sta. 205+07.51 =
-Y2A- POT Sta. 12+41.00

AT&T UNDERGROUND TO BE ABANDONED IN PLACE

NEW ATMC AND BRUNSWICK EMC (TRANS) JOINT BORE

30A

205

BEGIN CONSTRUCTION
-Y2A- POT Sta. 10+00.00

35

NEW BRUNSWICK EMC POWER 10' X 10' BORE PIT

NEW BRUNSWICK EMC POWER AND ATMC JOINT BORE

NEW PIEDMONT NATURAL GAS 8" GAS DISTRIBUTION LINE

PIEDMONT NATURAL GAS BORE PIT 5' X 10'

SPECTRUM HANDHOLE

NEW BRUNSWICK EMC POWER AND ATMC JOINT BORE

BRUNSWICK EMC UNDERGROUND POWER ABANDONED IN PLACE

36

ST. JAMES PLANTATION PROPERTY OWNERS' ASSOCIATION, INC.
DB 3248 PG 401
DB 3183 PG 168
DB 839 PG 449
MB 70 PG 79
MB 27 PG 128

35Z

TOWN OF ST. JAMES
DB 2670 PG 125
DB 2329 PG 1020
MB U PG 3&10

BEGIN CONSTRUCTION
-Y3- Sta. 10+00.00

37

CANAL ASSOCIATION LLC
DB 1271 PG 1049
MB U PG 9&10

BRUNSWICK EMC UNDERGROUND POWER ABANDONED IN PLACE

NEW BRUNSWICK EMC POWER 10' X 10' BORE PIT

NEW BRUNSWICK EMC POWER AND ATMC JOINT BORE

PIEDMONT NATURAL GAS BORE PIT 5' X 10'

37

NEW SPECTRUM PEDESTAL

NEW HAND HOLE

PIEDMONT NATURAL GAS BORE PIT 5' X 5'

36Z

PIEDMONT NATURAL GAS BORE PIT 5' X 5'

BRUNSWICK EMC UNDERGROUND POWER ABANDONED IN PLACE

NEW PIEDMONT NATURAL GAS 8" GAS DISTRIBUTION LINE

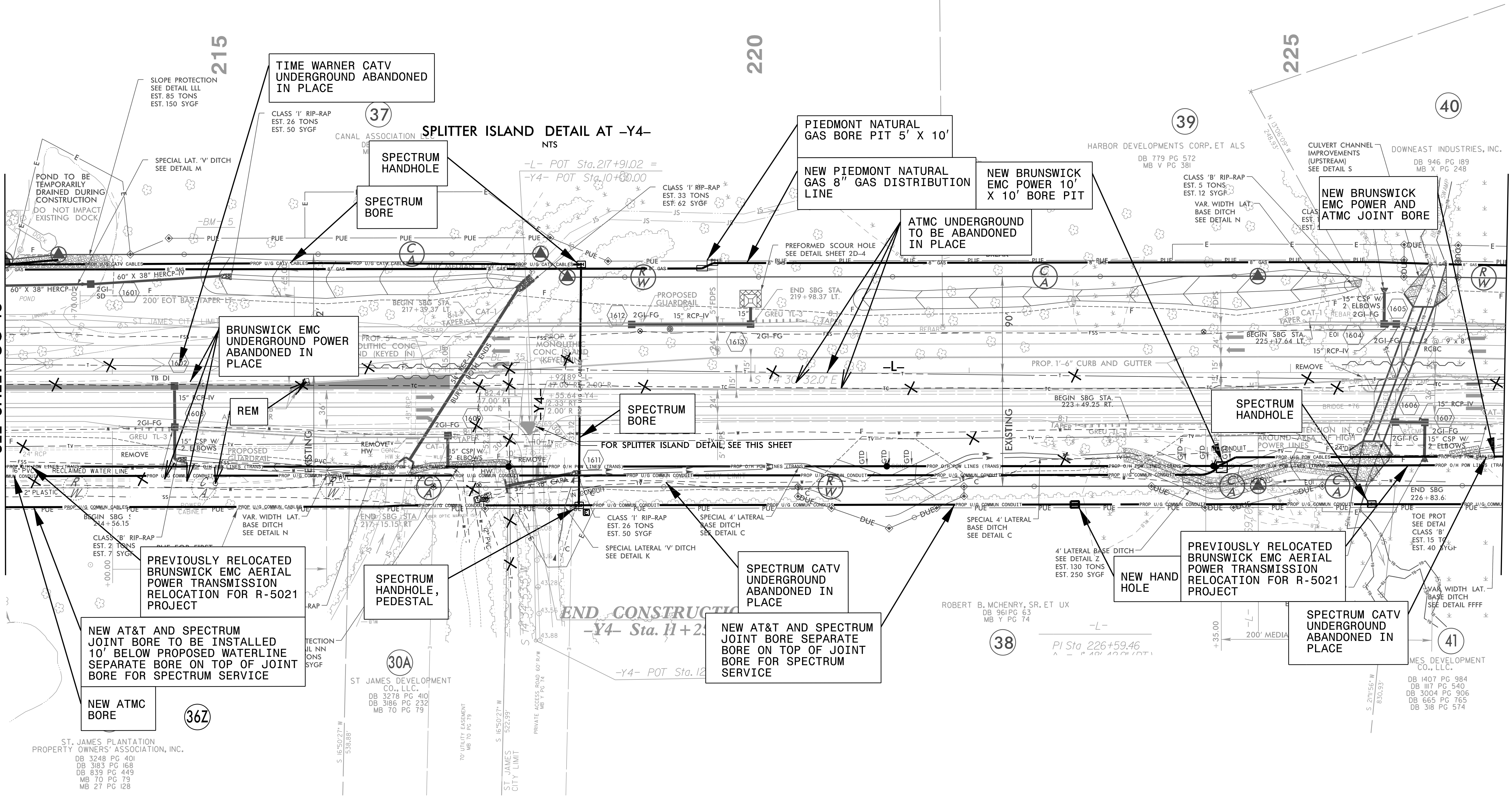
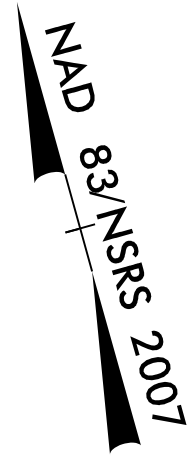
PIEDMONT NATURAL GAS BORE PIT 5' X 5'

END CONSTRUCTION
-Y3- Sta. 17+15.00

5/14/2019
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mlawson

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.



MATCH LINE -L- STA 213+00.00
SEE SHEET UO-13

MATCH LINE -L- STA 227+00.00
SEE SHEET UO-15

NOTE:
1. PIEDMONT NATURAL GAS WILL OPEN TRENCH CUT ALL GAS LINE THAT IS LESS THAN 100', EXCEPT IN WETLAND AREAS

UTILITY OWNERS ON THIS SHEET

BRUNSWICK - POWER (TRANS)
BRUNSWICK EMC - POWER (DIST)
AT&T - TELECOMMUNICATIONS/FIBER OPTIC
ATMC - TELECOMMUNICATIONS/FIBER OPTIC
SPECTRUM - CATV
PIEDMONT NATURAL GAS - NATURAL GAS

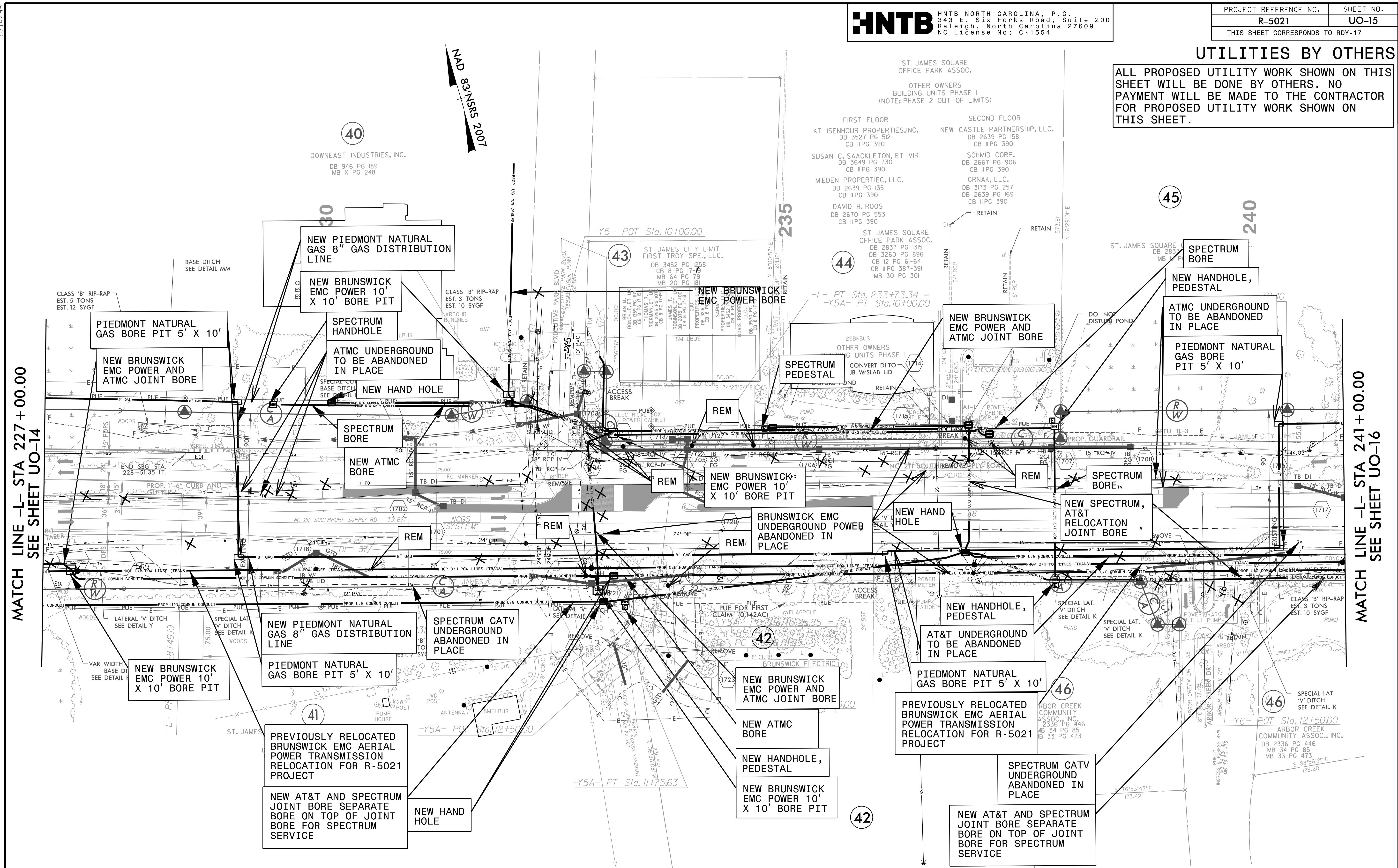
PLANS PREPARED BY :

RK&K
RUMMEL KLEPPER & KAHL, LLP
900 RIDGEFIELD DRIVE SUITE 350
RALEIGH, NORTH CAROLINA 27609-3960
NC LICENSE NO. F-0112 • (919) 878-9560

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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.



MATCH LINE -L- STA 227 + 00.00
SEE SHEET UO-14

MATCH LINE -L- STA 241 + 00.00
SEE SHEET UO-16

NOTE:
 1. PIEDMONT NATURAL GAS WILL OPEN TRENCH CUT ALL GAS LINE THAT IS LESS THAN 100', EXCEPT IN WETLAND AREAS

UTILITY OWNERS ON THIS SHEET

- BRUNSWICK - POWER (TRANS)
- BRUNSWICK EMC - POWER (DIST)
- AT&T - TELECOMMUNICATIONS/FIBER OPTIC
- AT&T - TELECOMMUNICATIONS/FIBER OPTIC
- SPECTRUM - CATV
- PIEDMONT NATURAL GAS - NATURAL GAS

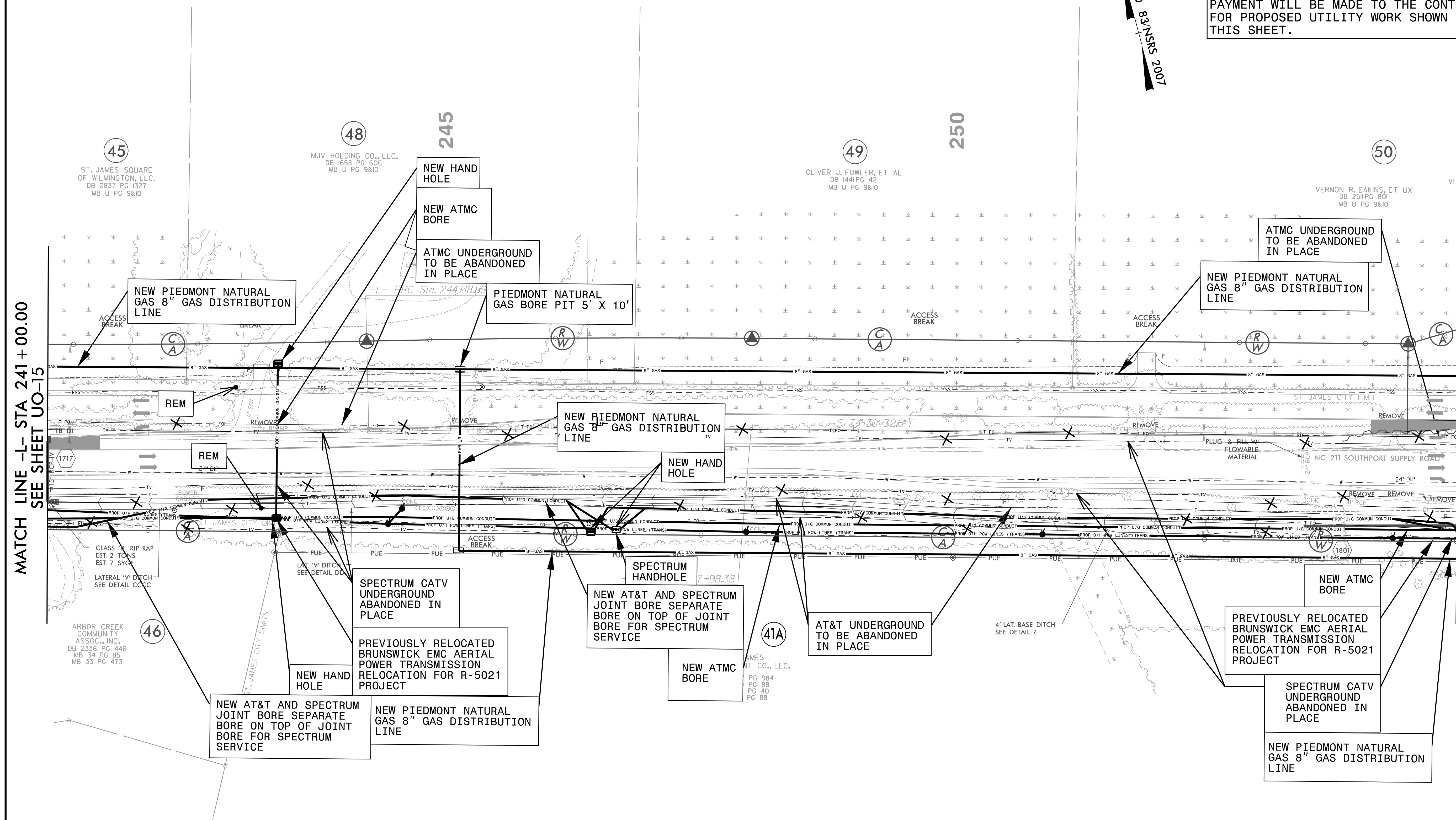
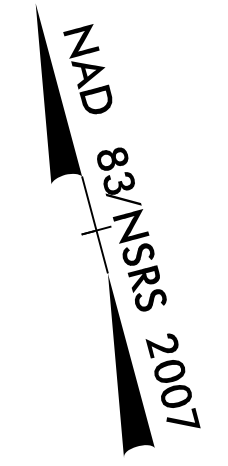
PLANS PREPARED BY :



5/14/99
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UTILITIES BY OTHERS

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MATCH LINE -L- STA 241+00.00
SEE SHEET UO-15

MATCH LINE -L- STA 255+00.00
SEE SHEET UO-17

NOTE:
 1. PIEDMONT NATURAL GAS WILL OPEN TRENCH CUT ALL GAS LINE THAT IS LESS THAN 100', EXCEPT IN WETLAND AREAS

UTILITY OWNERS ON THIS SHEET

- BRUNSWICK - POWER (TRANS)
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- ATMC - TELECOMMUNICATIONS/FIBER OPTIC
- SPECTRUM - CATV
- PIEDMONT NATURAL GAS - NATURAL GAS

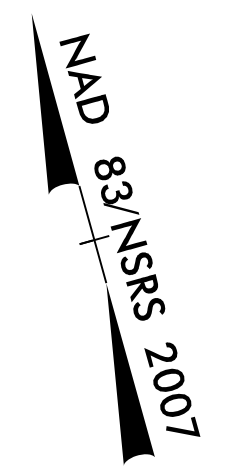
PLANS PREPARED BY :



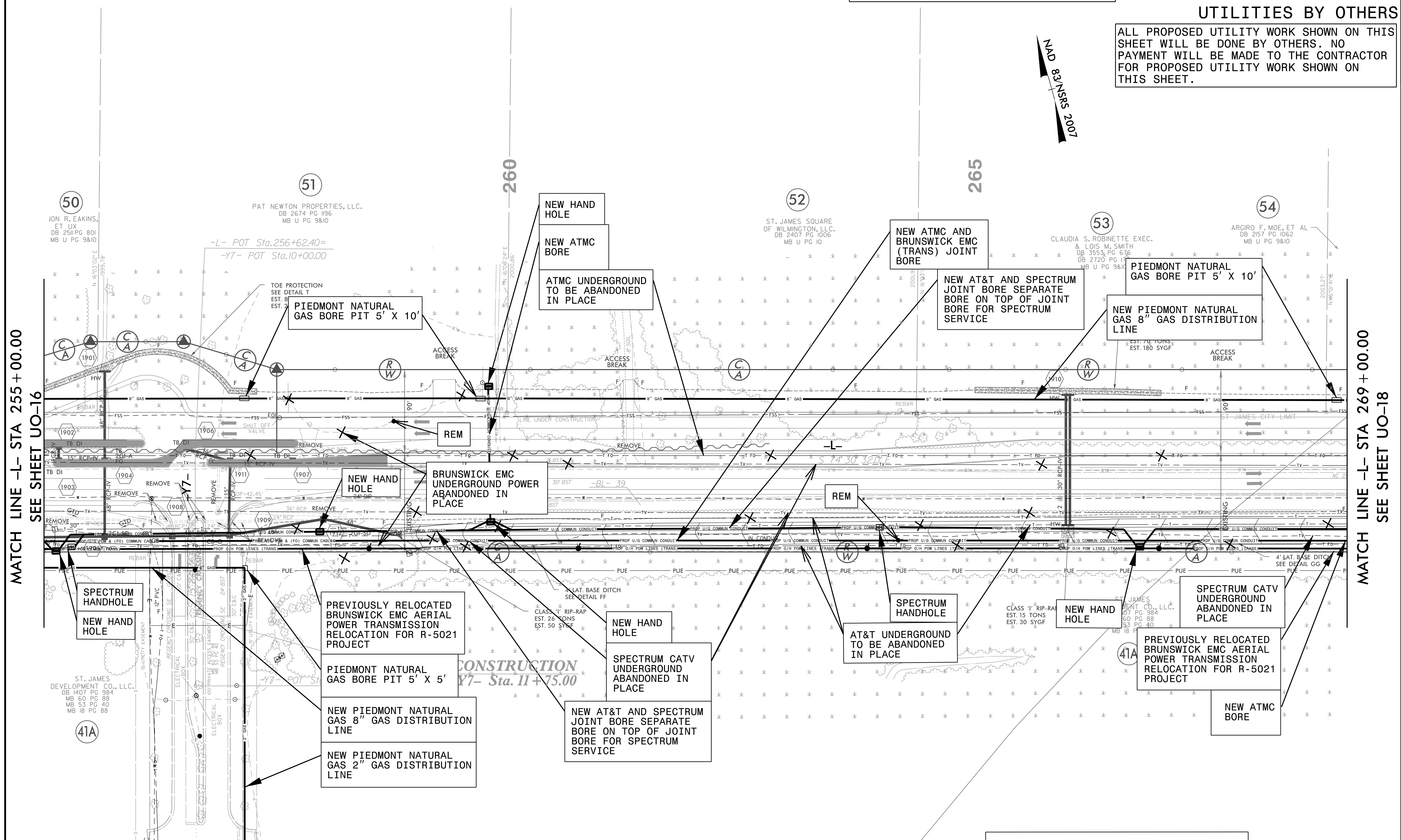
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 5/14/99

UTILITIES BY OTHERS

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MATCH LINE -L- STA 255 + 00.00
SEE SHEET UO-16

MATCH LINE -L- STA 269 + 00.00
SEE SHEET UO-18

UTILITY OWNERS ON THIS SHEET

- BRUNSWICK - POWER (TRANS)
- BRUNSWICK EMC - POWER (DIST)
- AT&T - TELECOMMUNICATIONS/FIBER OPTIC
- ATMC - TELECOMMUNICATIONS/FIBER OPTIC
- SPECTRUM - CATV
- PIEDMONT NATURAL GAS - NATURAL GAS

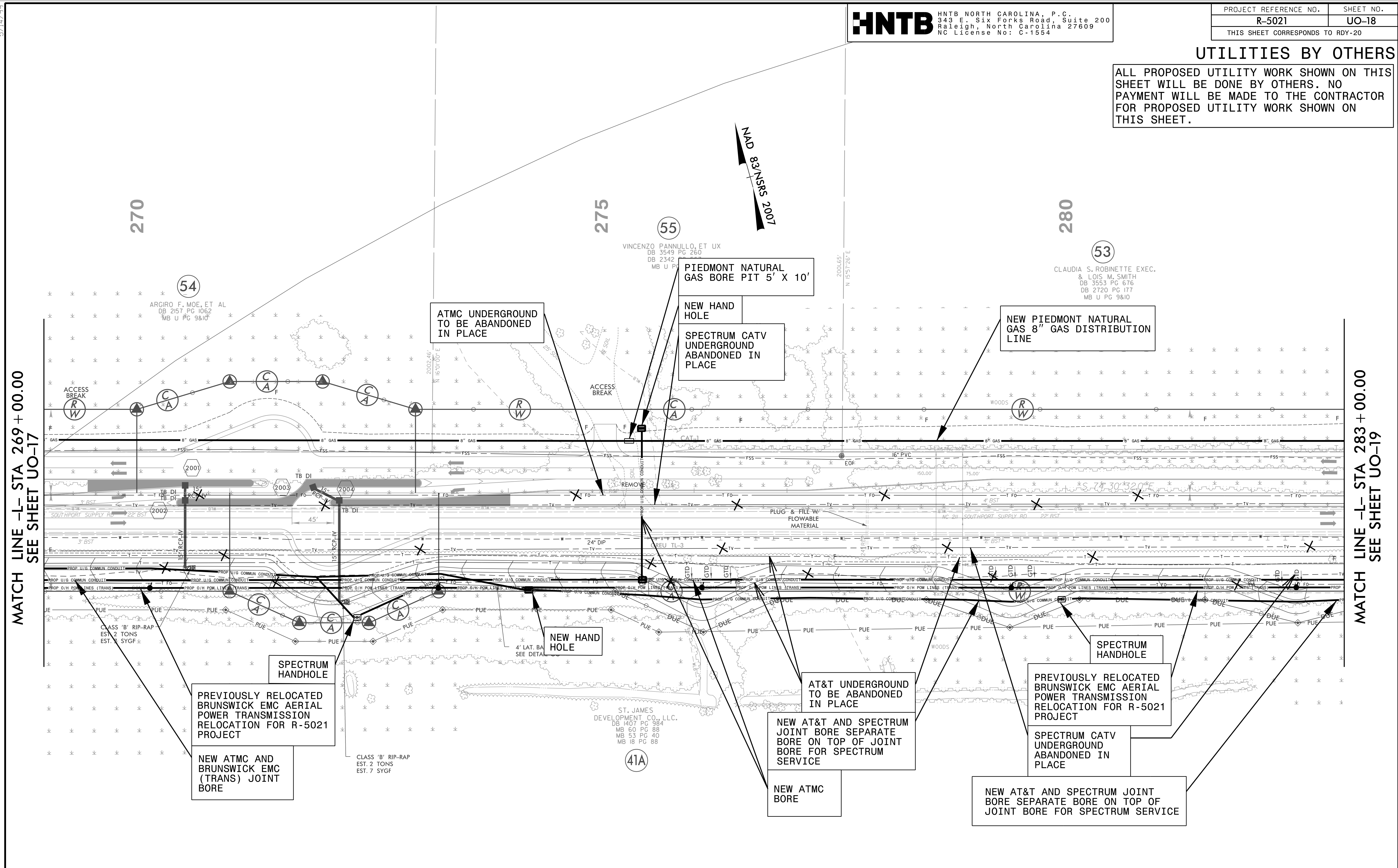
NOTE:
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PLANS PREPARED BY :

 RUMMEL KLEPPER & KAHL, LLP
 900 RIDGEFIELD DRIVE SUITE 350
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UTILITIES BY OTHERS

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MATCH LINE -L- STA 269 + 00.00
SEE SHEET UO-17

MATCH LINE -L- STA 283 + 00.00
SEE SHEET UO-19

NOTE:
 1. PIEDMONT NATURAL GAS WILL OPEN TRENCH CUT ALL GAS LINE THAT IS LESS THAN 100', EXCEPT IN WETLAND AREAS

UTILITY OWNERS ON THIS SHEET

- BRUNSWICK - POWER (TRANS)
- BRUNSWICK EMC - POWER (DIST)
- AT&T - TELECOMMUNICATIONS/FIBER OPTIC
- AT&T - TELECOMMUNICATIONS/FIBER OPTIC
- SPECTRUM - CATV
- PIEDMONT NATURAL GAS - NATURAL GAS

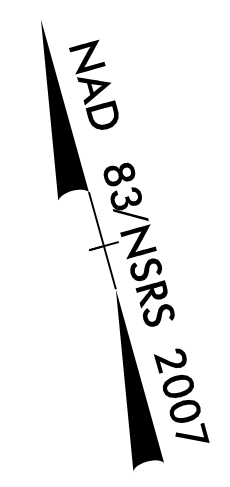
PLANS PREPARED BY :

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 900 RIDGEFIELD DRIVE SUITE 350
 RALEIGH, NORTH CAROLINA 27609-3960
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 5/14/2019

UTILITIES BY OTHERS

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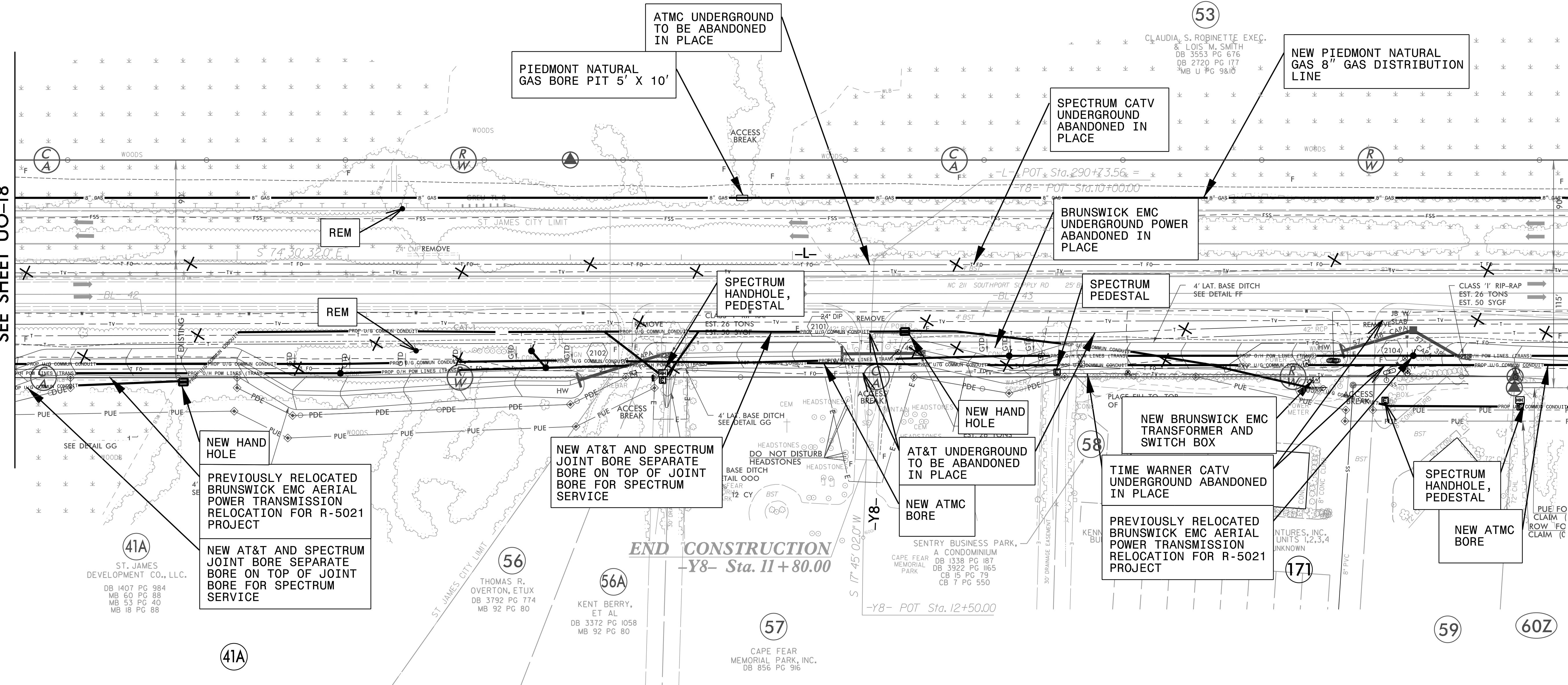
285

290

295

MATCH LINE -L- STA 283 + 00.00
SEE SHEET UO-18

MATCH LINE -L- STA 297 + 00.00
SEE SHEET UO-20



END CONSTRUCTION
 -Y8- Sta. 11 + 80.00

NOTE:

1. PIEDMONT NATURAL GAS WILL OPEN TRENCH CUT ALL GAS LINE THAT IS LESS THAN 100', EXCEPT IN WETLAND AREAS

UTILITY OWNERS ON THIS SHEET

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- ATM - TELECOMMUNICATIONS/FIBER OPTIC
- SPECTRUM - CATV
- PIEDMONT NATURAL GAS - NATURAL GAS

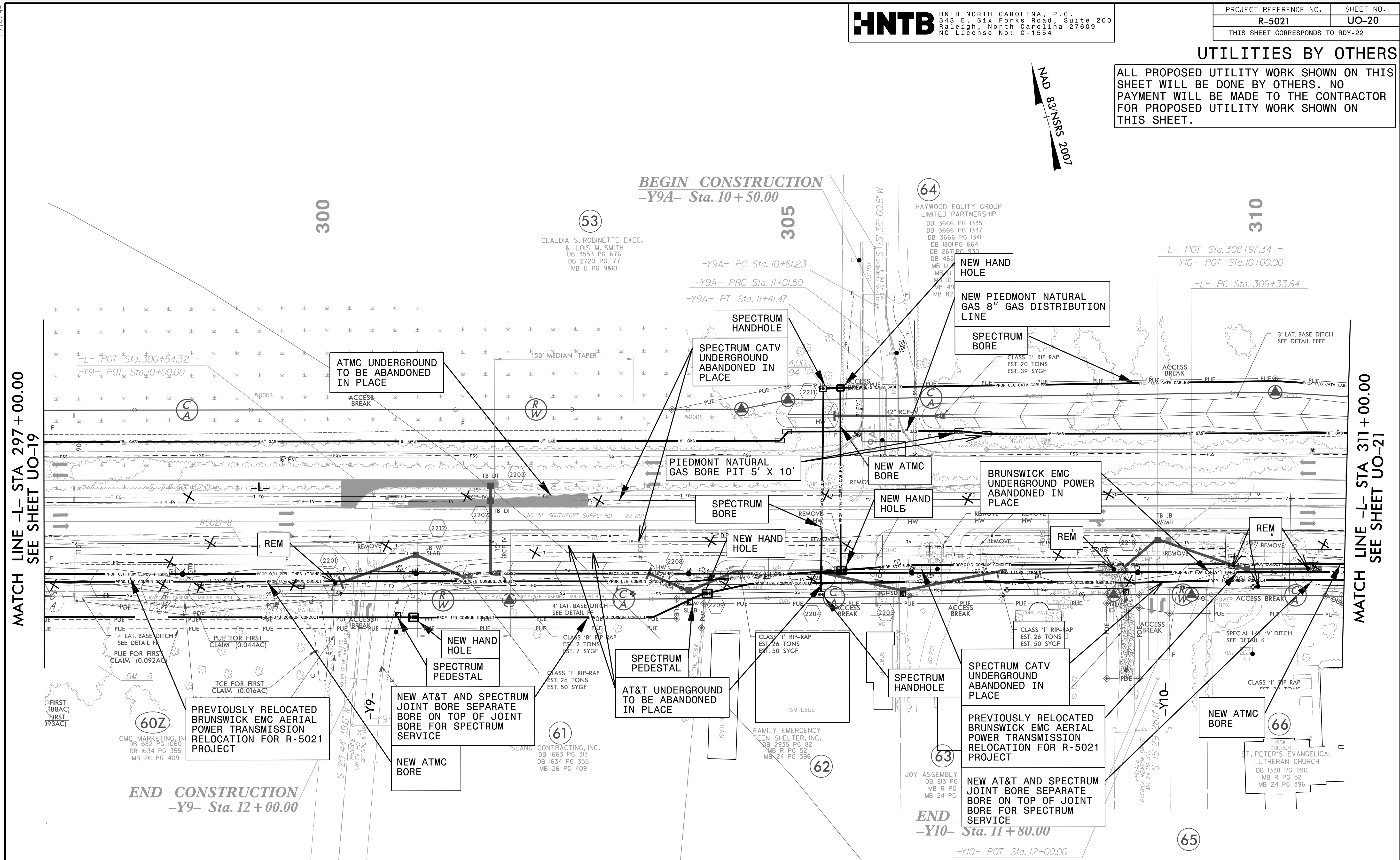
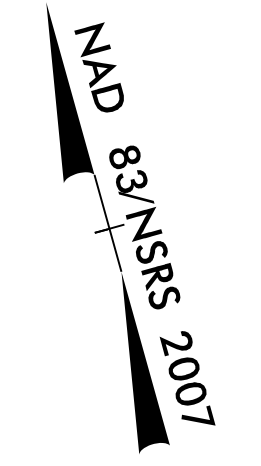
PLANS PREPARED BY :



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UTILITIES BY OTHERS

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- SPECTRUM - CATV
- PIEDMONT NATURAL GAS - NATURAL GAS

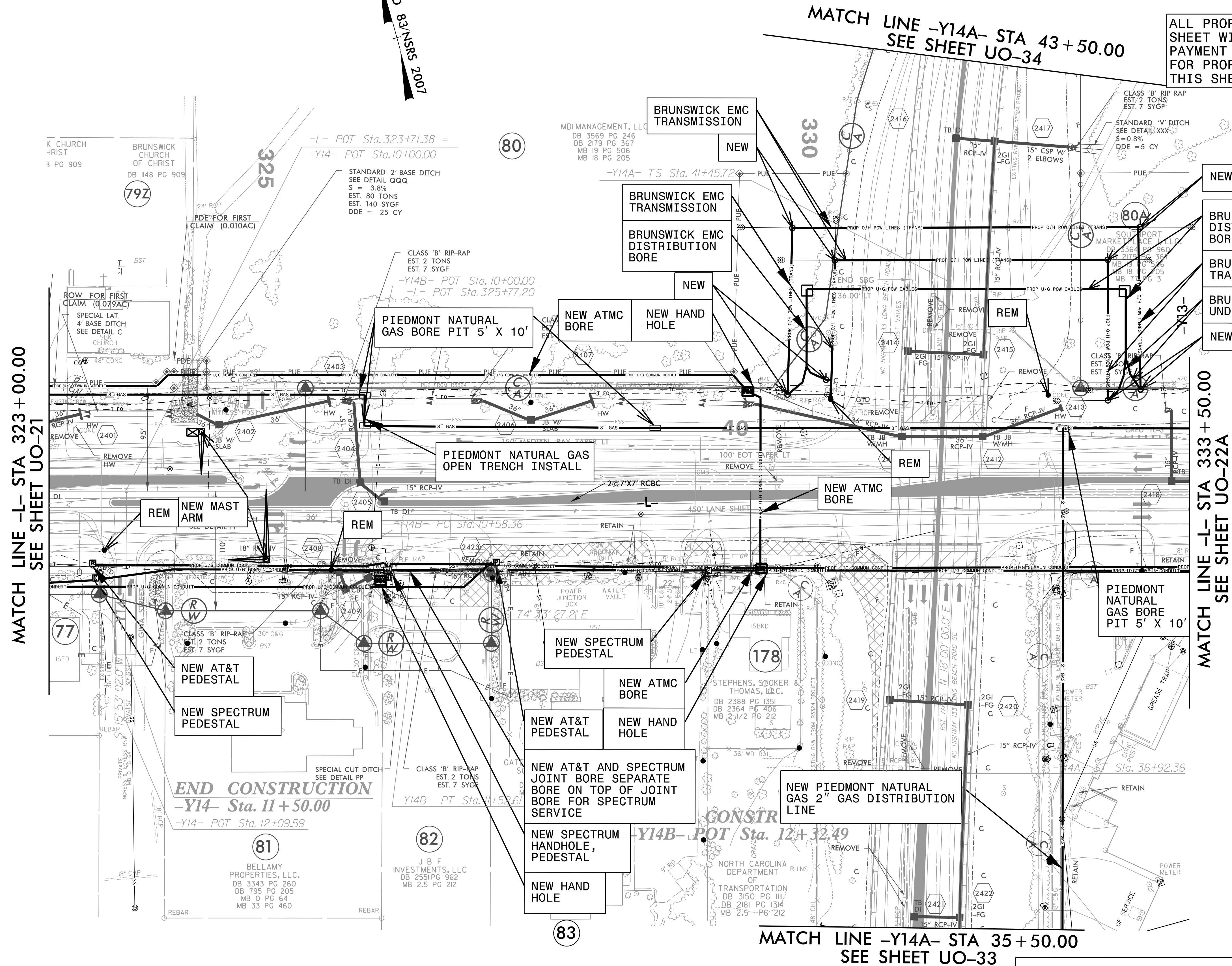
PLANS PREPARED BY :



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 5/14/99
 mawson

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- SPECTRUM - CATV
- PIEDMONT NATURAL GAS - NATURAL GAS

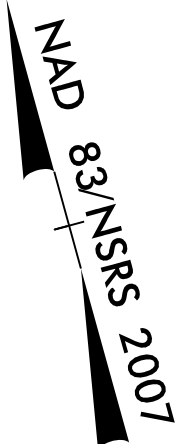
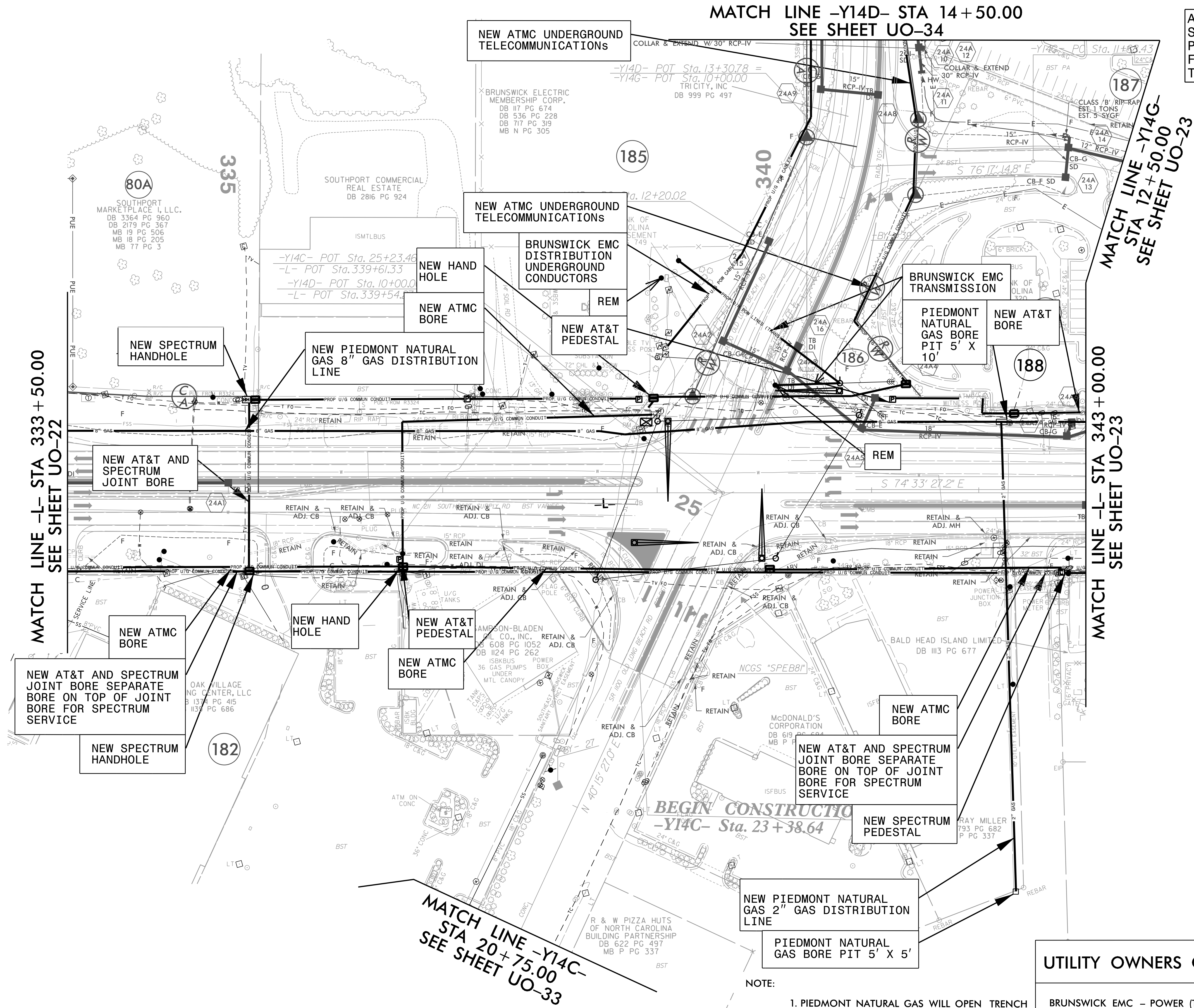
PLANS PREPARED BY :

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UTILITIES BY OTHERS

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MATCH LINE -L- STA 333 + 50.00
SEE SHEET UO-22

MATCH LINE -L- STA 343 + 00.00
SEE SHEET UO-23

MATCH LINE -Y14D- STA 14 + 50.00
SEE SHEET UO-34

MATCH LINE -Y14G- STA 12 + 50.00
SEE SHEET UO-23

MATCH LINE -Y14C- STA 20 + 75.00
SEE SHEET UO-33

NOTE:
 1. PIEDMONT NATURAL GAS WILL OPEN TRENCH CUT ALL GAS LINE THAT IS LESS THAN 100', EXCEPT IN WETLAND AREAS

UTILITY OWNERS ON THIS SHEET

- BRUNSWICK EMC - POWER (TRANS)
- BRUNSWICK EMC - POWER (DIST)
- AT&T - TELECOMMUNICATIONS/FIBER OPTIC
- AT&T - TELECOMMUNICATIONS/FIBER OPTIC
- PIEDMONT NATURAL GAS - NATURAL GAS

PLANS PREPARED BY :

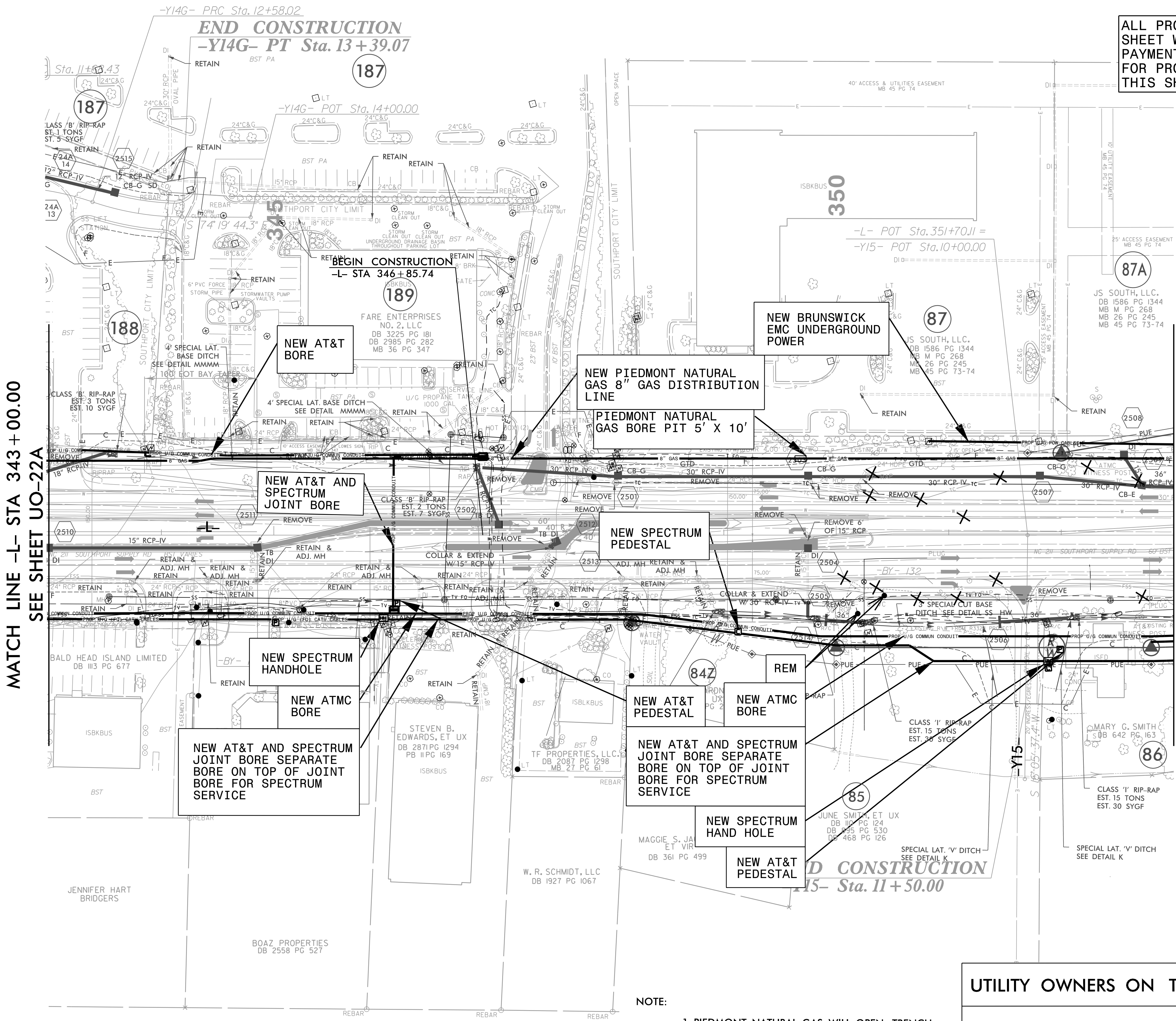
RUMMEL, KLEPPER & KAHL, LLP
 900 RIDGEFIELD DRIVE SUITE 350
 RALEIGH, NORTH CAROLINA 27609-3960
 NC LICENSE NO. F-0112 • (919) 878-9560

5/14/99
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UTILITIES BY OTHERS

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NAD 83/NSRS 2011



MATCH LINE -L- STA 343 + 00.00
SEE SHEET UO-22A

MATCH LINE -L- STA 353 + 00.00
SEE SHEET UO-24

NOTE:
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UTILITY OWNERS ON THIS SHEET

- BRUNSWICK EMC - POWER (DIST)
- AT&T - TELECOMMUNICATIONS/FIBER OPTIC
- AT&M - TELECOMMUNICATIONS/FIBER OPTIC
- SPECTRUM - CATV
- PIEDMONT NATURAL GAS - NATURAL GAS

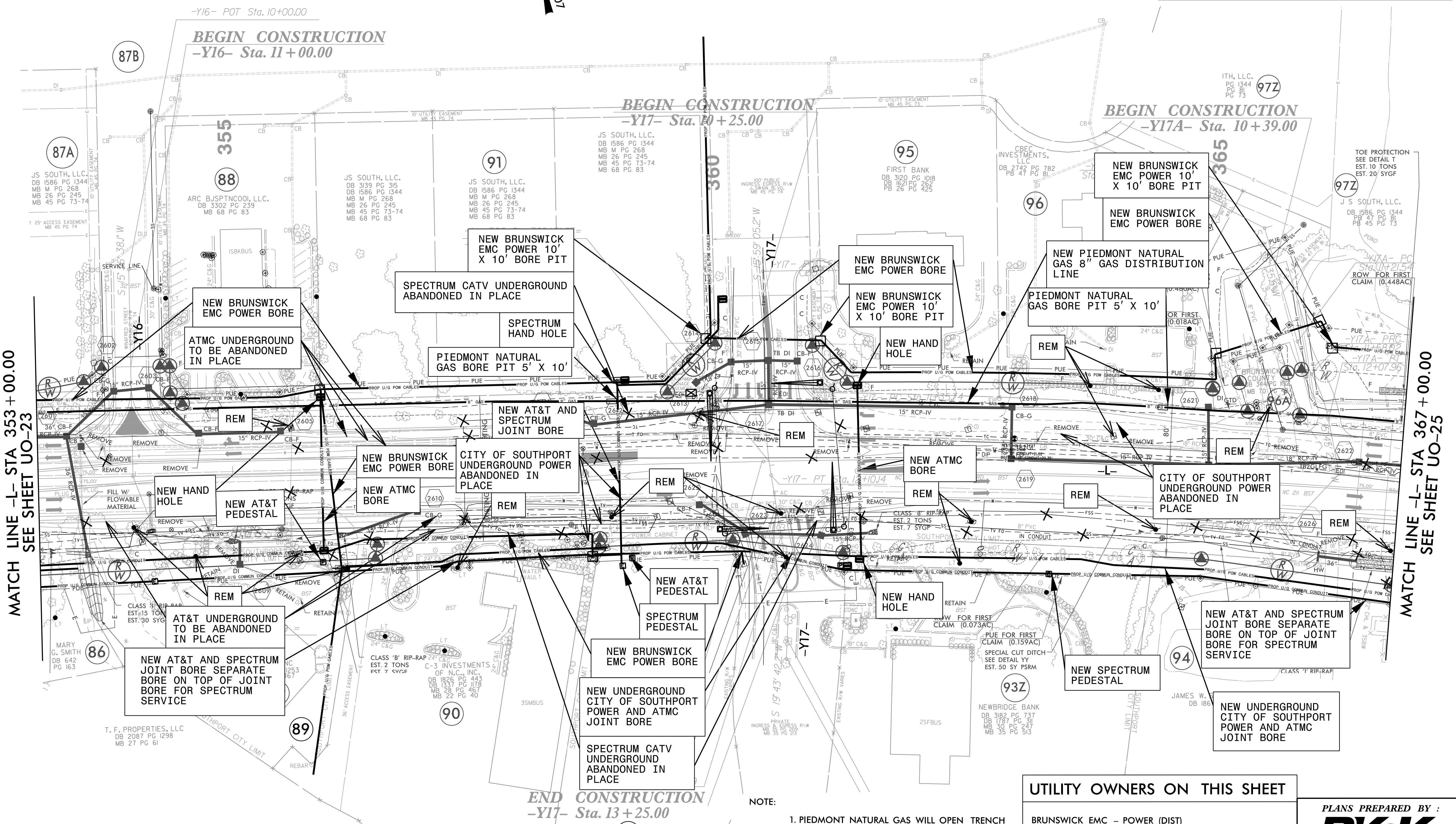
PLANS PREPARED BY :
RK&K
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 2007\A001-R-5021\UO-23\Utilities\Engineering\UO01\ProJ\00-R-5021\UBOs\Dry_ONL\Y.R-5021\ut_rdy25_U023_psh.dgn

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.

5/14/99
 2/19/2019
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 mawson



NOTE:
 1. PIEDMONT NATURAL GAS WILL OPEN TRENCH CUT ALL GAS LINE THAT IS LESS THAN 100', EXCEPT IN WETLAND AREAS

UTILITY OWNERS ON THIS SHEET

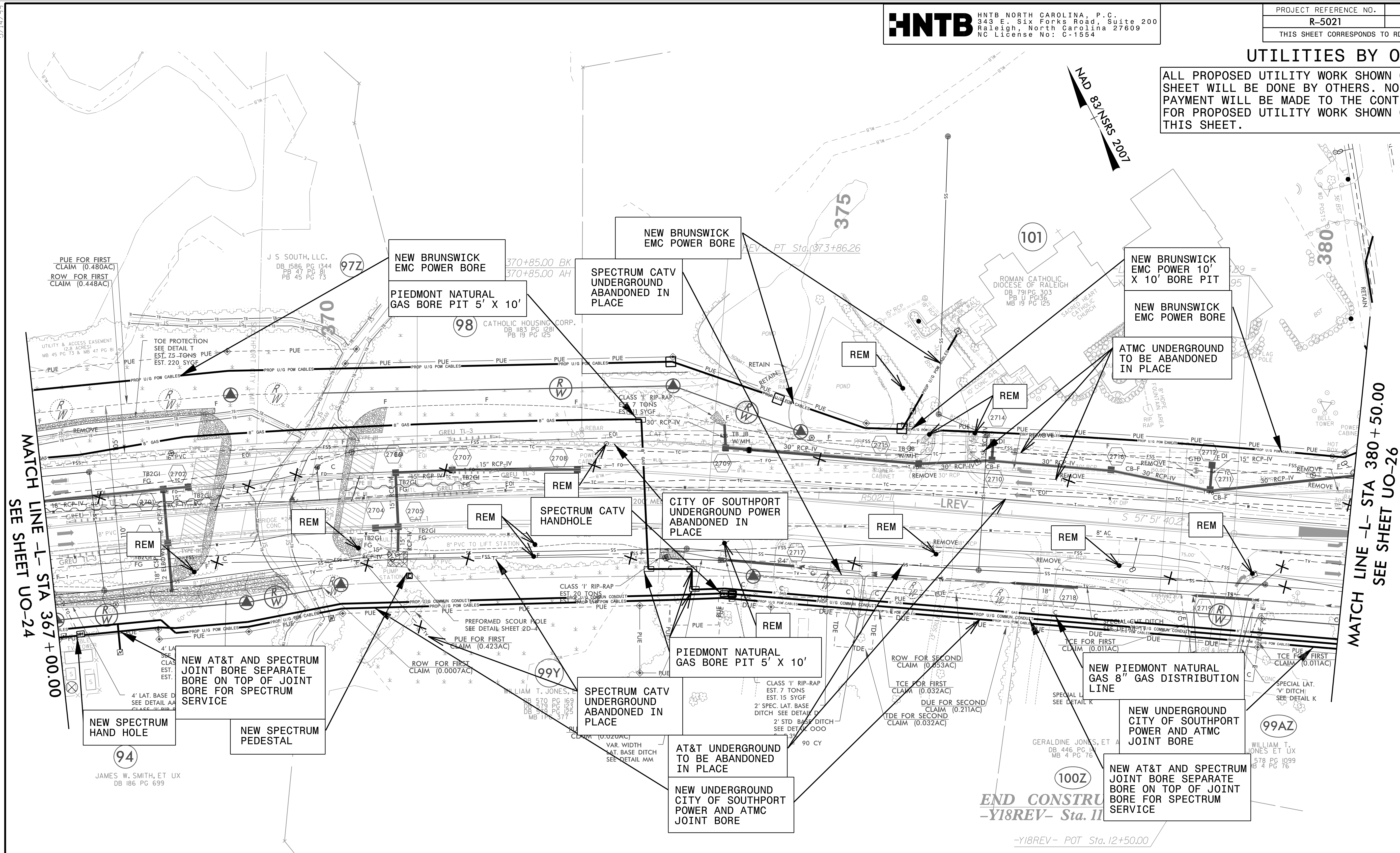
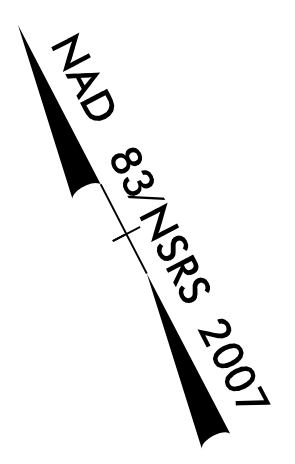
- BRUNSWICK EMC - POWER (DIST)
- CITY OF SOUTHPORT - POWER (DIST)
- AT&T - TELECOMMUNICATIONS/FIBER OPTIC
- AT&M - TELECOMMUNICATIONS/FIBER OPTIC
- SPECTRUM - CATV
- PIEDMONT NATURAL GAS - NATURAL GAS

PLANS PREPARED BY :

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UTILITIES BY OTHERS

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MATCH LINE -L- STA 367 + 00.00
SEE SHEET UO-24

MATCH LINE -L- STA 380 + 50.00
SEE SHEET UO-26

END CONSTRUCTION
 -Y18REV- Sta. 12+50.00

NOTE:
 1. PIEDMONT NATURAL GAS WILL OPEN TRENCH CUT ALL GAS LINE THAT IS LESS THAN 100', EXCEPT IN WETLAND AREAS

UTILITY OWNERS ON THIS SHEET

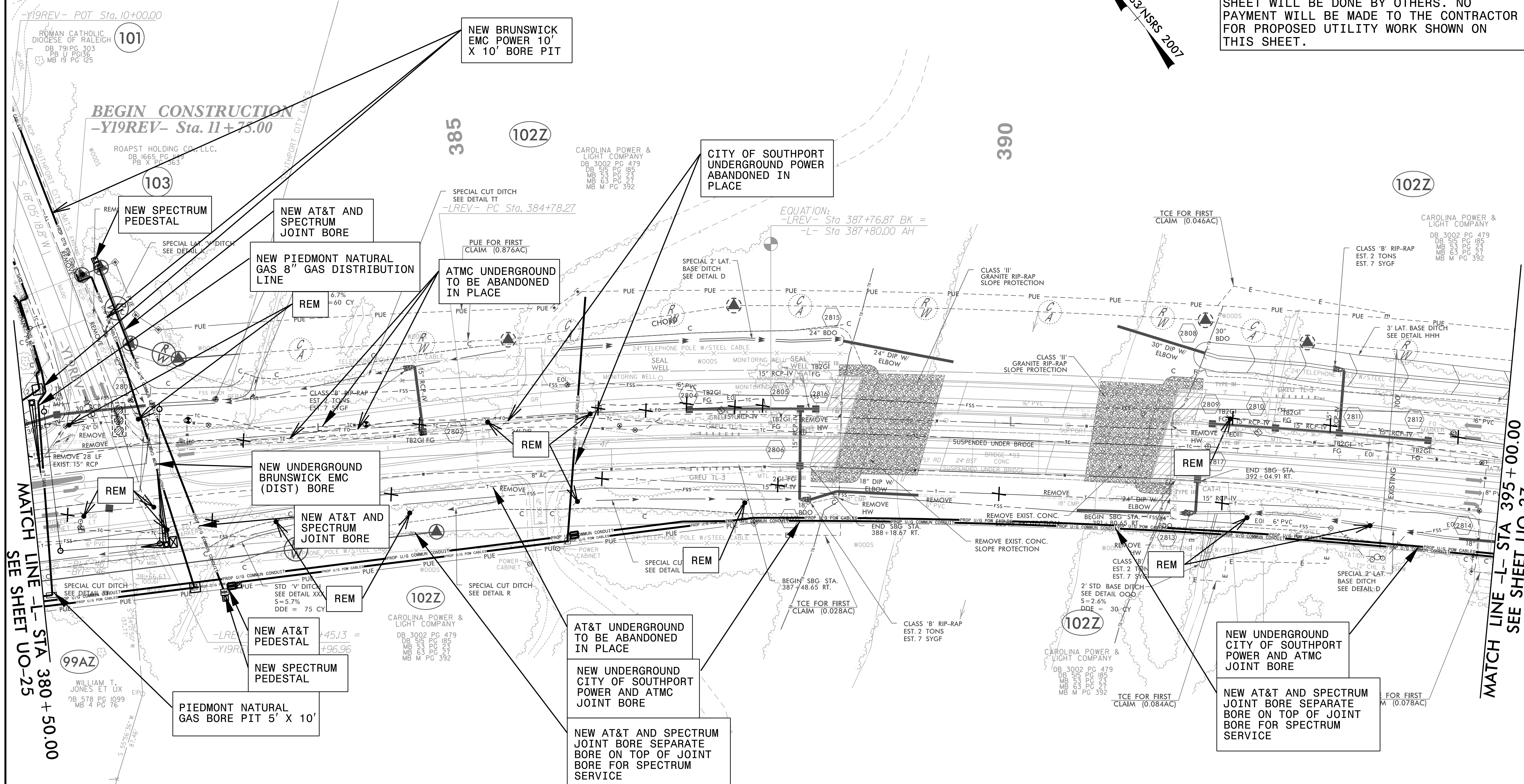
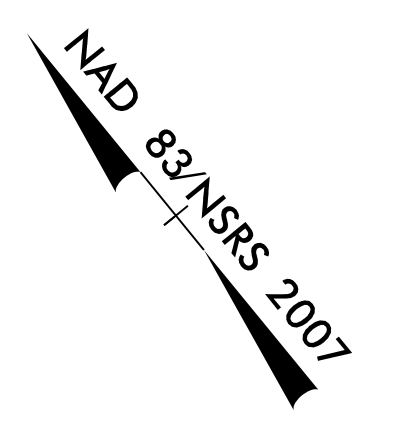
- BRUNSWICK EMC - POWER (DIST)
- CITY OF SOUTHPORT - POWER (DIST)
- AT&T - TELECOMMUNICATIONS/FIBER OPTIC
- AT&M - TELECOMMUNICATIONS/FIBER OPTIC
- SPECTRUM - CATV
- PIEDMONT NATURAL GAS - NATURAL GAS

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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.



MATCH LINE -L- STA 380 + 50.00
SEE SHEET UO-25

MATCH LINE -L- STA 395 + 00.00
SEE SHEET UO-27

UTILITY OWNERS ON THIS SHEET

- BRUNSWICK EMC - POWER (DIST)
- CITY OF SOUTHPORT - POWER (DIST)
- AT&T - TELECOMMUNICATIONS/FIBER OPTIC
- AT&M - TELECOMMUNICATIONS/FIBER OPTIC
- SPECTRUM - CATV
- PIEDMONT NATURAL GAS - NATURAL GAS

NOTE:
 1. PIEDMONT NATURAL GAS WILL OPEN TRENCH CUT ALL GAS LINE THAT IS LESS THAN 100', EXCEPT IN WETLAND AREAS

PLANS PREPARED BY :

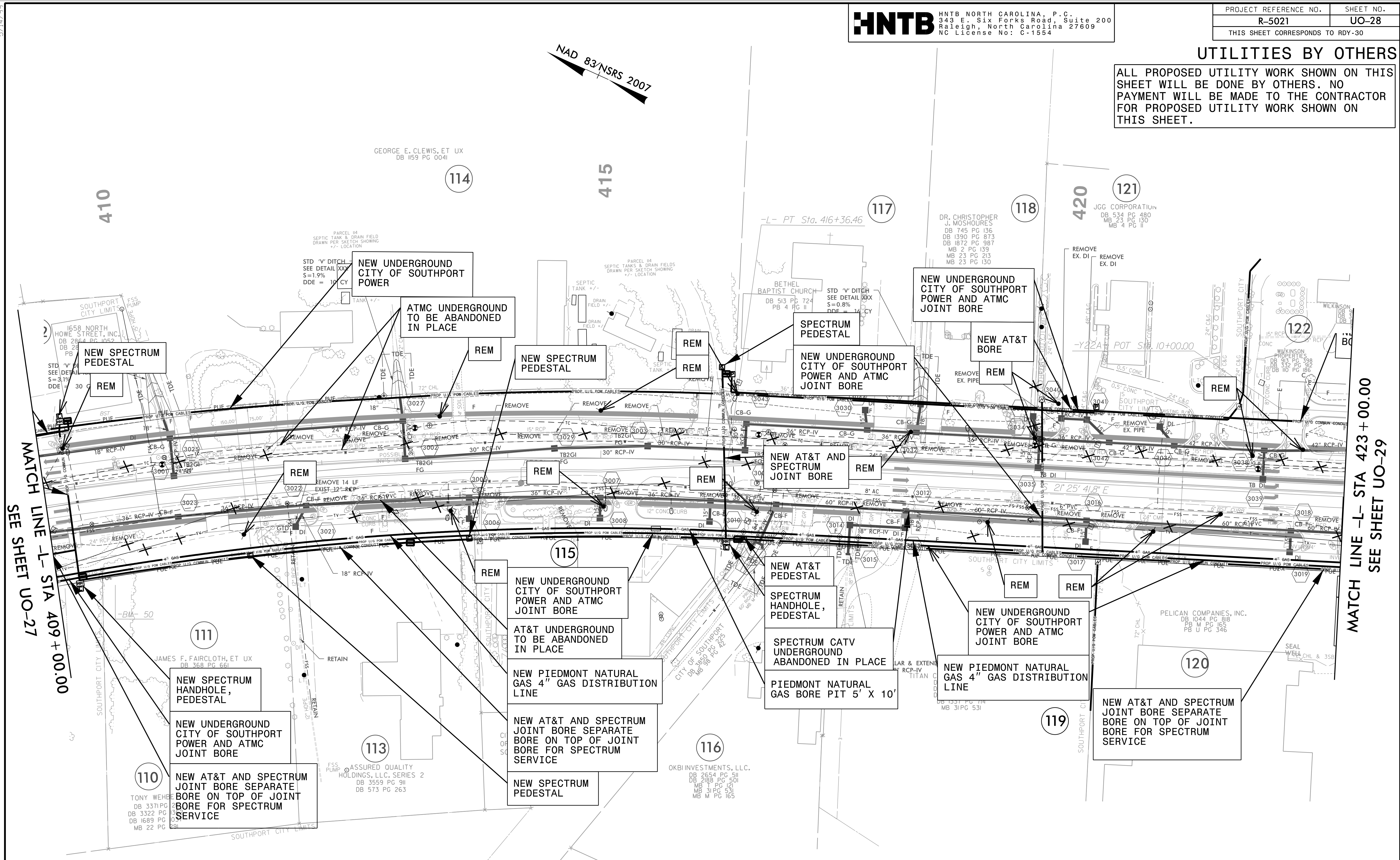
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 mawson

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.

NAD 83/NSRS 2007



MATCH LINE -L- STA 409 + 00.00
SEE SHEET UO-27

MATCH LINE -L- STA 423 + 00.00
SEE SHEET UO-29

NOTE:
 1. PIEDMONT NATURAL GAS WILL OPEN TRENCH CUT ALL GAS LINE THAT IS LESS THAN 100', EXCEPT IN WETLAND AREAS

UTILITY OWNERS ON THIS SHEET	
CITY OF SOUTHPORT	- POWER (DIST)
AT&T	- TELECOMMUNICATIONS/FIBER OPTIC
AT&C	- TELECOMMUNICATIONS/FIBER OPTIC
SPECTRUM	- CATV
PIEDMONT NATURAL GAS	- NATURAL GAS

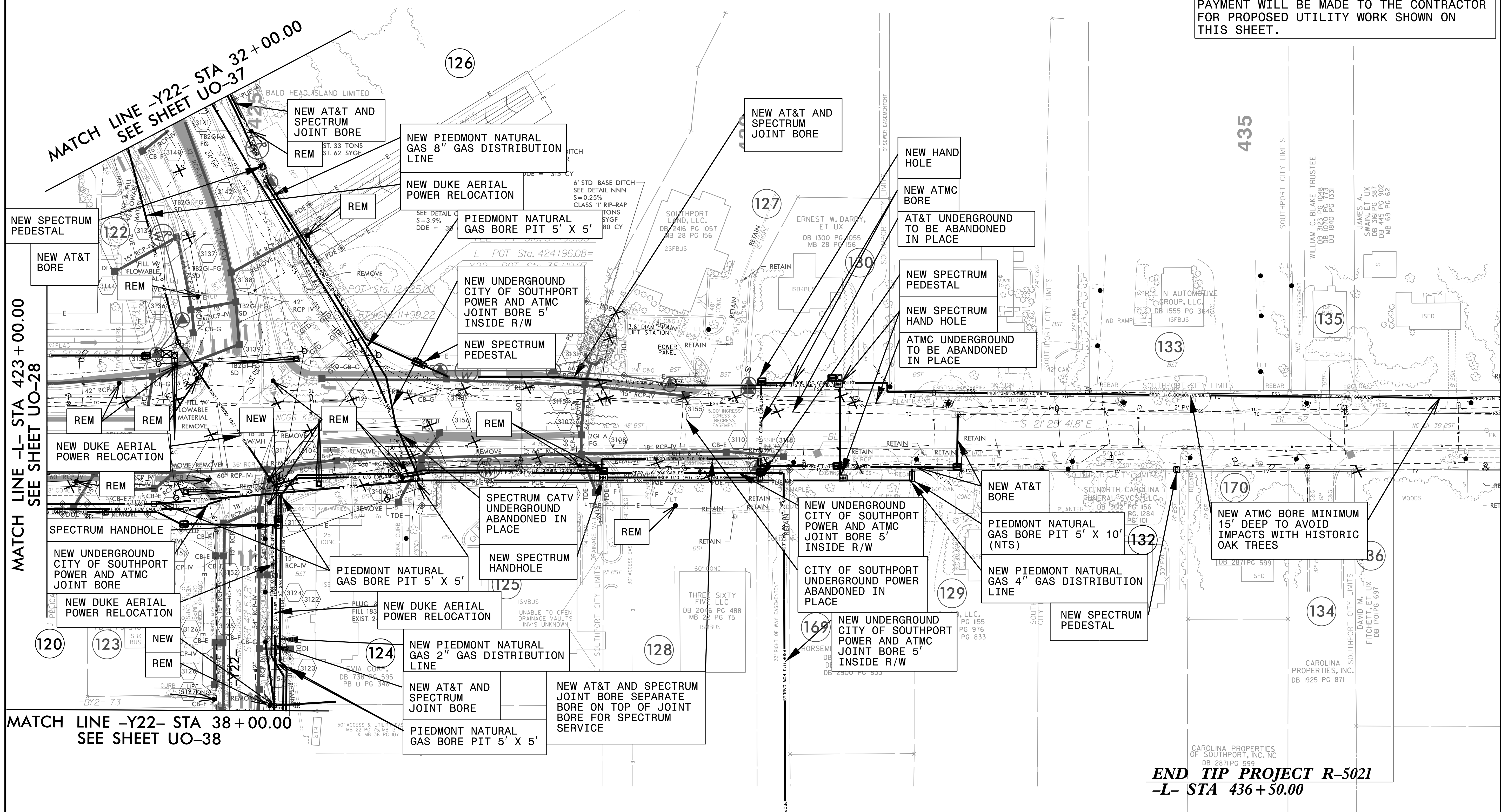
PLANS PREPARED BY:
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UTILITIES BY OTHERS

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.

NAD 83/NSRS 2007



MATCH LINE -L- STA 423 + 00.00
 SEE SHEET UO-28

MATCH LINE -Y22- STA 38 + 00.00
 SEE SHEET UO-38

END TIP PROJECT R-5021
-L- STA 436 + 50.00

NOTE:
 1. PIEDMONT NATURAL GAS WILL OPEN TRENCH CUT ALL GAS LINE THAT IS LESS THAN 100', EXCEPT IN WETLAND AREAS

UTILITY OWNERS ON THIS SHEET

- DUKE ENERGY - POWER (DIST)
- CITY OF SOUTHPORT - POWER (DIST)
- AT&T - TELECOMMUNICATIONS/FIBER OPTIC
- AT&T - TELECOMMUNICATIONS/FIBER OPTIC
- SPECTRUM - CATV
- PIEDMONT NATURAL GAS - NATURAL GAS

PLANS PREPARED BY :

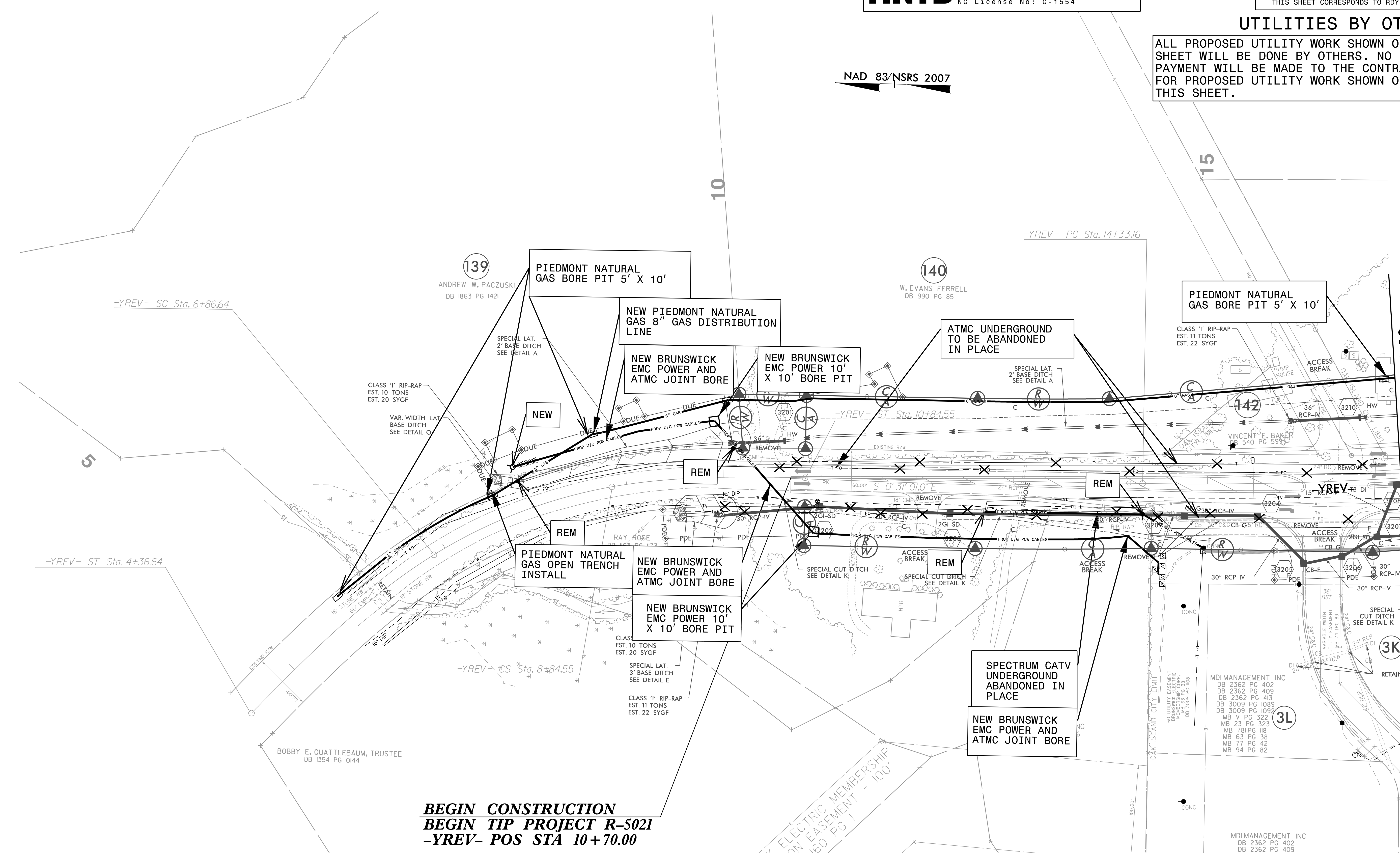
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UTILITIES BY OTHERS

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.

NAD 83/NSRS 2007



BEGIN CONSTRUCTION
BEGIN TIP PROJECT R-5021
-YREV- POS STA 10+70.00

- NOTE:
- PIEDMONT NATURAL GAS WILL OPEN TRENCH CUT ALL GAS LINE THAT IS LESS THAN 100', EXCEPT IN WETLAND AREAS

UTILITY OWNERS ON THIS SHEET	
BRUNSWICK EMC - POWER (TRANS)	
BRUNSWICK EMC - POWER (DIST)	
ATMC - TELECOMMUNICATIONS/FIBER OPTIC	
SPECTRUM - CATV	
PIEDMONT NATURAL GAS - NATURAL GAS	

PLANS PREPARED BY :

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MATCH LINE -YREV- STA 17 + 00.00
 SEE SHEET UO-31

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 5/14/03
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5/14/99

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343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

PROJECT REFERENCE NO.	SHEET NO.
R-5021	UO-31
THIS SHEET CORRESPONDS TO RDY-33	

UTILITIES BY OTHERS

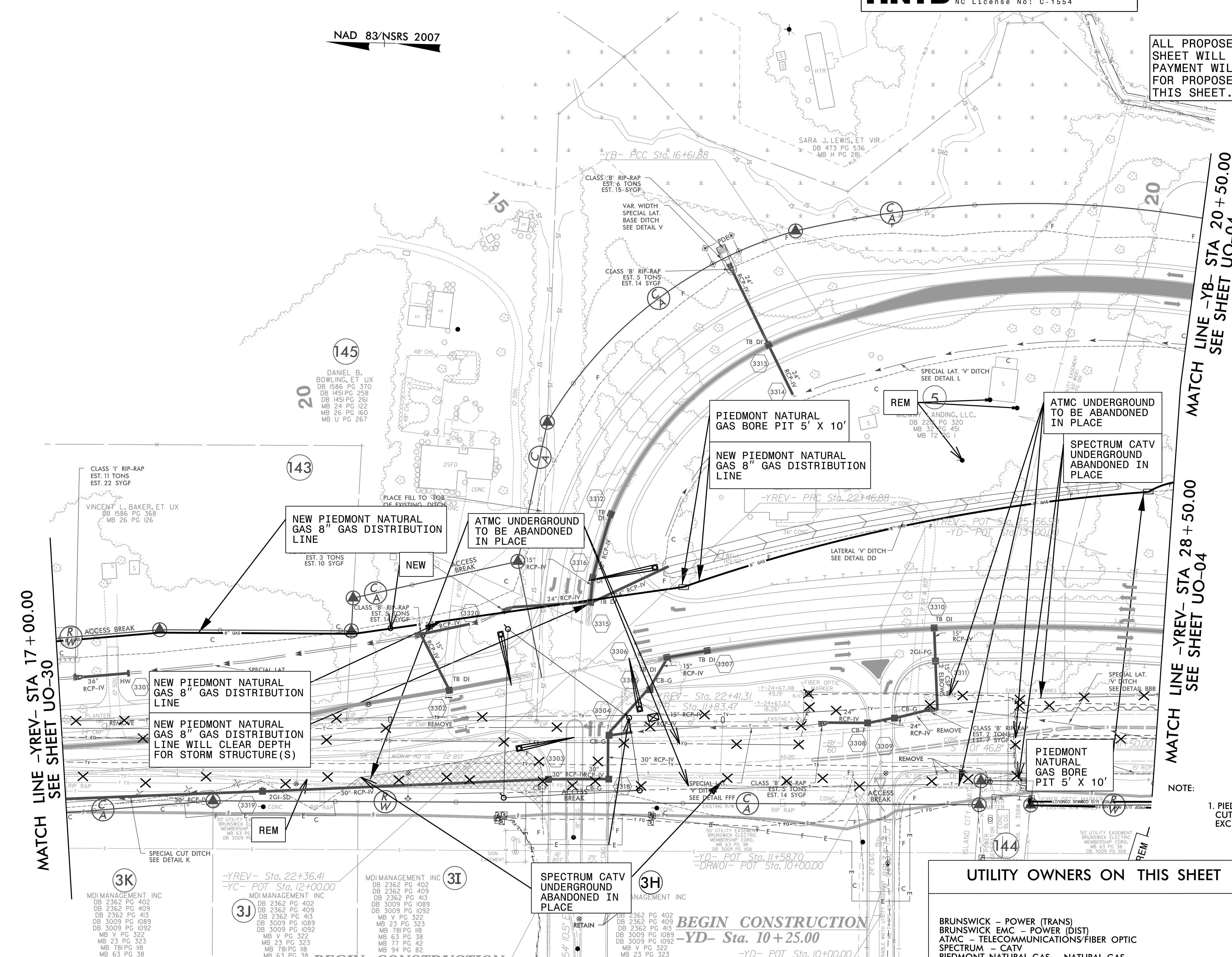
ALL PROPOSED UTILITY WORK SHOWN ON THIS SHEET WILL BE DONE BY OTHERS. NO PAYMENT WILL BE MADE TO THE CONTRACTOR FOR PROPOSED UTILITY WORK SHOWN ON THIS SHEET.

NAD 83/NSRS 2007

MATCH LINE -YREV- STA 17 + 00.00
SEE SHEET UO-30

MATCH LINE -YB- STA 20 + 50.00
SEE SHEET UO-04

MATCH LINE -YREV- STA 28 + 50.00
SEE SHEET UO-04



NOTE:
1. PIEDMONT NATURAL GAS WILL OPEN TRENCH CUT ALL GAS LINE THAT IS LESS THAN 100', EXCEPT IN WETLAND AREAS

UTILITY OWNERS ON THIS SHEET	
BRUNSWICK - POWER (TRANS)	
BRUNSWICK EMC - POWER (DIST)	
ATMC - TELECOMMUNICATIONS/FIBER OPTIC	
SPECTRUM - CATV	
PIEDMONT NATURAL GAS - NATURAL GAS	

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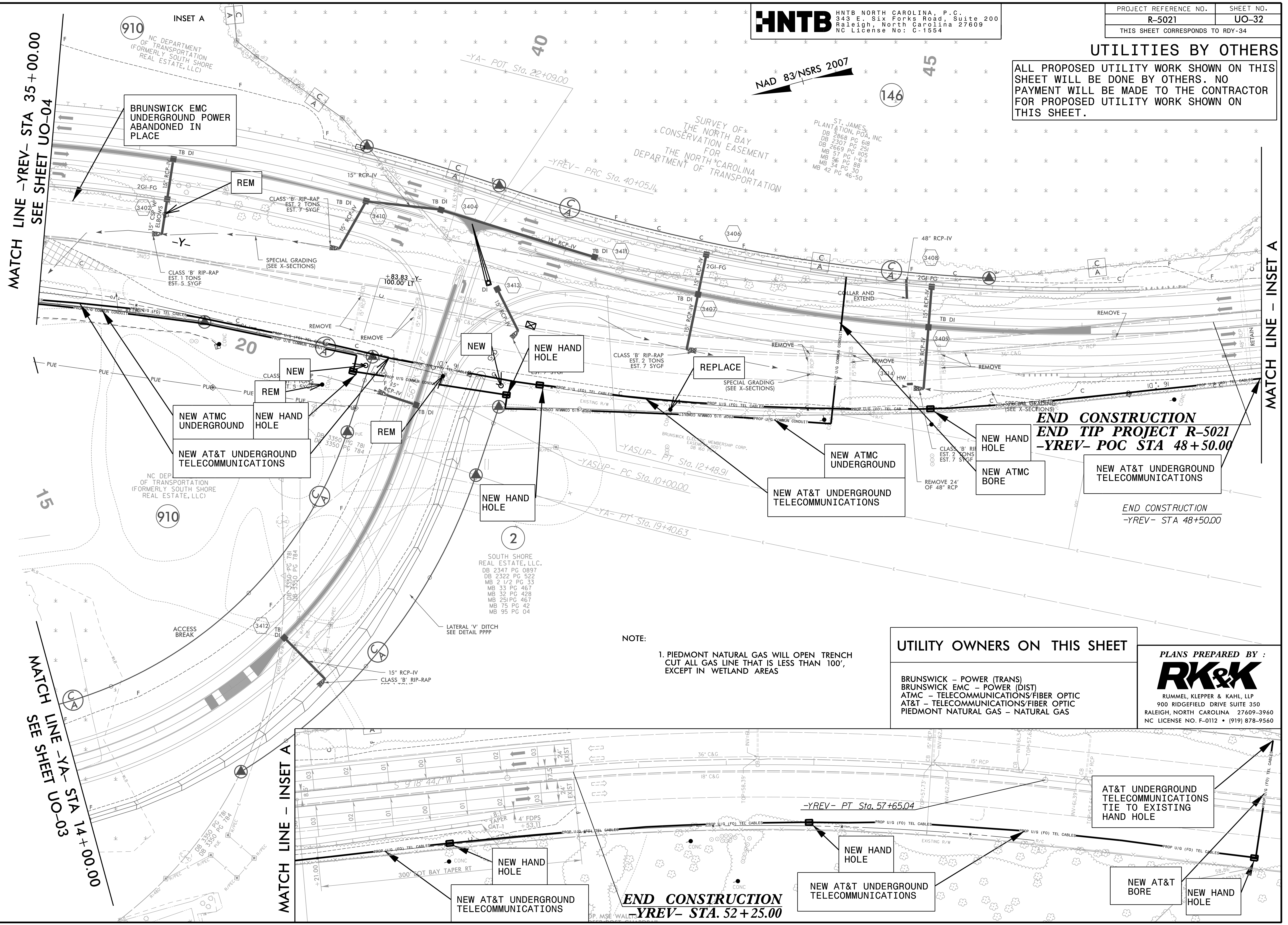
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343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No. C-1554

PROJECT REFERENCE NO.	SHEET NO.
R-5021	UO-32
THIS SHEET CORRESPONDS TO RDY-34	

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.



NOTE:
1. PIEDMONT NATURAL GAS WILL OPEN TRENCH CUT ALL GAS LINE THAT IS LESS THAN 100', EXCEPT IN WETLAND AREAS

UTILITY OWNERS ON THIS SHEET

- BRUNSWICK - POWER (TRANS)
- BRUNSWICK EMC - POWER (DIST)
- ATMC - TELECOMMUNICATIONS/FIBER OPTIC
- AT&T - TELECOMMUNICATIONS/FIBER OPTIC
- PIEDMONT NATURAL GAS - NATURAL GAS

PLANS PREPARED BY:

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MATCH LINE -YREV- STA 35+00.00 SEE SHEET UO-04

MATCH LINE -YA- STA 14+00.00 SEE SHEET UO-03

MATCH LINE - INSET A

MATCH LINE - INSET A

END CONSTRUCTION
END TIP PROJECT R-5021
-YREV- POC STA 48+50.00

END CONSTRUCTION
-YREV- STA 48+50.00

END CONSTRUCTION
-YREV- STA. 52+25.00

AT&T UNDERGROUND TELECOMMUNICATIONS TIE TO EXISTING HAND HOLE

NEW AT&T UNDERGROUND TELECOMMUNICATIONS

NEW AT&T BORE

NEW HAND HOLE

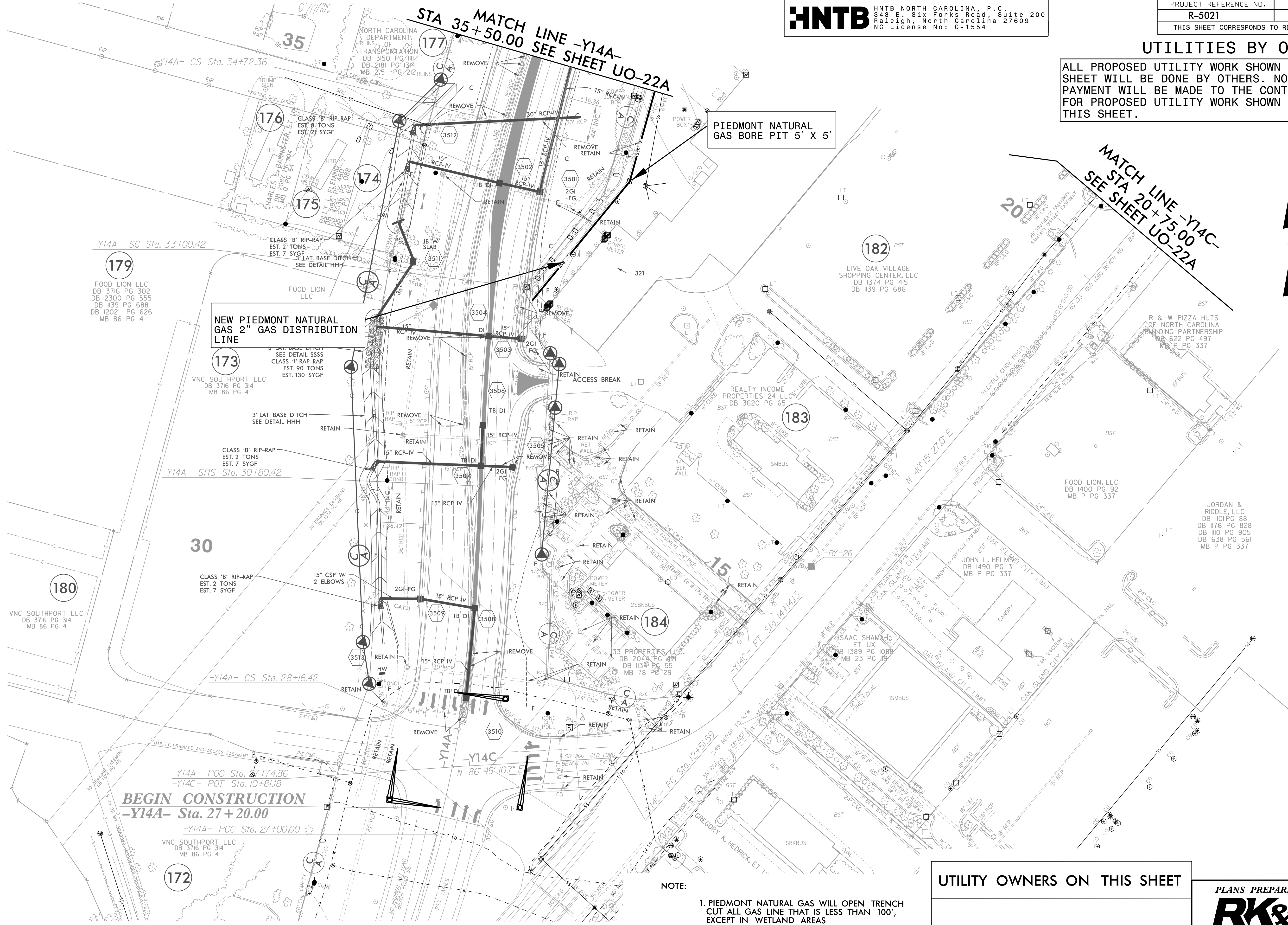
NEW AT&T UNDERGROUND TELECOMMUNICATIONS

NEW HAND HOLE

UTILITIES BY OTHERS

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NEW PIEDMONT NATURAL GAS 2" GAS DISTRIBUTION LINE

PIEDMONT NATURAL GAS BORE PIT 5' X 5'

BEGIN CONSTRUCTION
 -Y14A- Sta. 27+20.00

NOTE:
 1. PIEDMONT NATURAL GAS WILL OPEN TRENCH CUT ALL GAS LINE THAT IS LESS THAN 100', EXCEPT IN WETLAND AREAS

UTILITY OWNERS ON THIS SHEET

PIEDMONT NATURAL GAS - NATURAL GAS

PLANS PREPARED BY :
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 RALEIGH, NORTH CAROLINA 27609-3960
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UTILITIES BY OTHERS

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.

END CONSTRUCTION
 -Y14E- POT
 Sta. 9+75.00

MATCH LINE -Y14D- STA 22+00.00
 SEE SHEET UO-35

MATCH LINE -Y14A- STA 52+50.00
 SEE SHEET UO-35

NEW ATMC UNDERGROUND TELECOMMUNICATIONS

BRUNSWICK EMC DISTRIBUTION UNDERGROUND CONDUCTORS

BRUNSWICK EMC DISTRIBUTION UNDERGROUND CONDUCTORS

NEW ATMC UNDERGROUND TELECOMMUNICATIONS

BRUNSWICK EMC DISTRIBUTION UNDERGROUND CONDUCTORS

NEW ATMC UNDERGROUND TELECOMMUNICATIONS

MATCH LINE -Y14D- STA 14+00.00
 SEE SHEET UO-22A

UTILITY OWNERS ON THIS SHEET

BRUNSWICK EMC - POWER (DIST)
 ATMC - COMMUNICATIONS

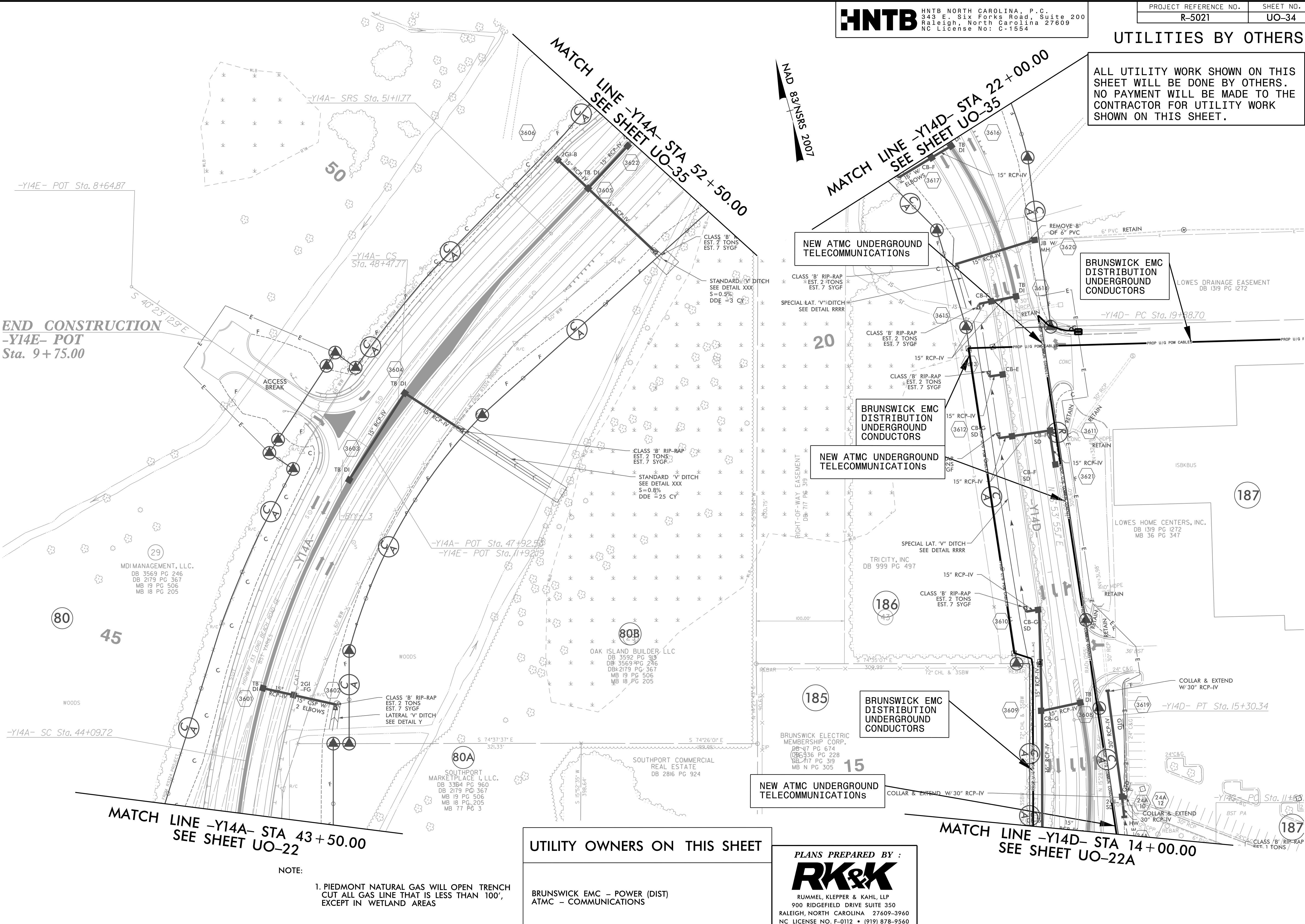
PLANS PREPARED BY :



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NOTE:
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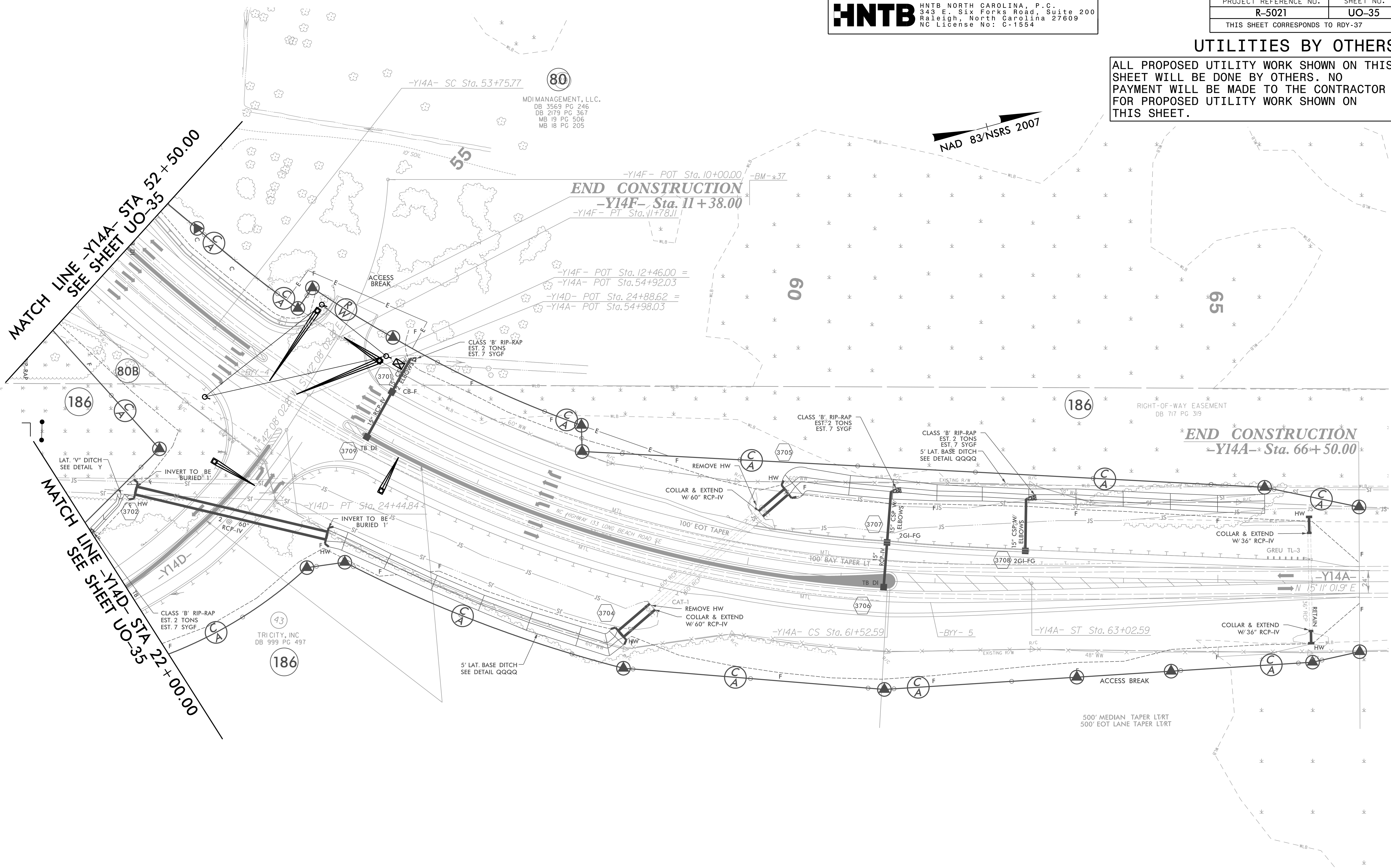


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 NC License No: C-1554

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THIS SHEET CORRESPONDS TO RDY-37	

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.



UTILITY OWNERS ON THIS SHEET

NO UTILITY CONFLICTS THIS SHEET

PLANS PREPARED BY :

RK&K

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