

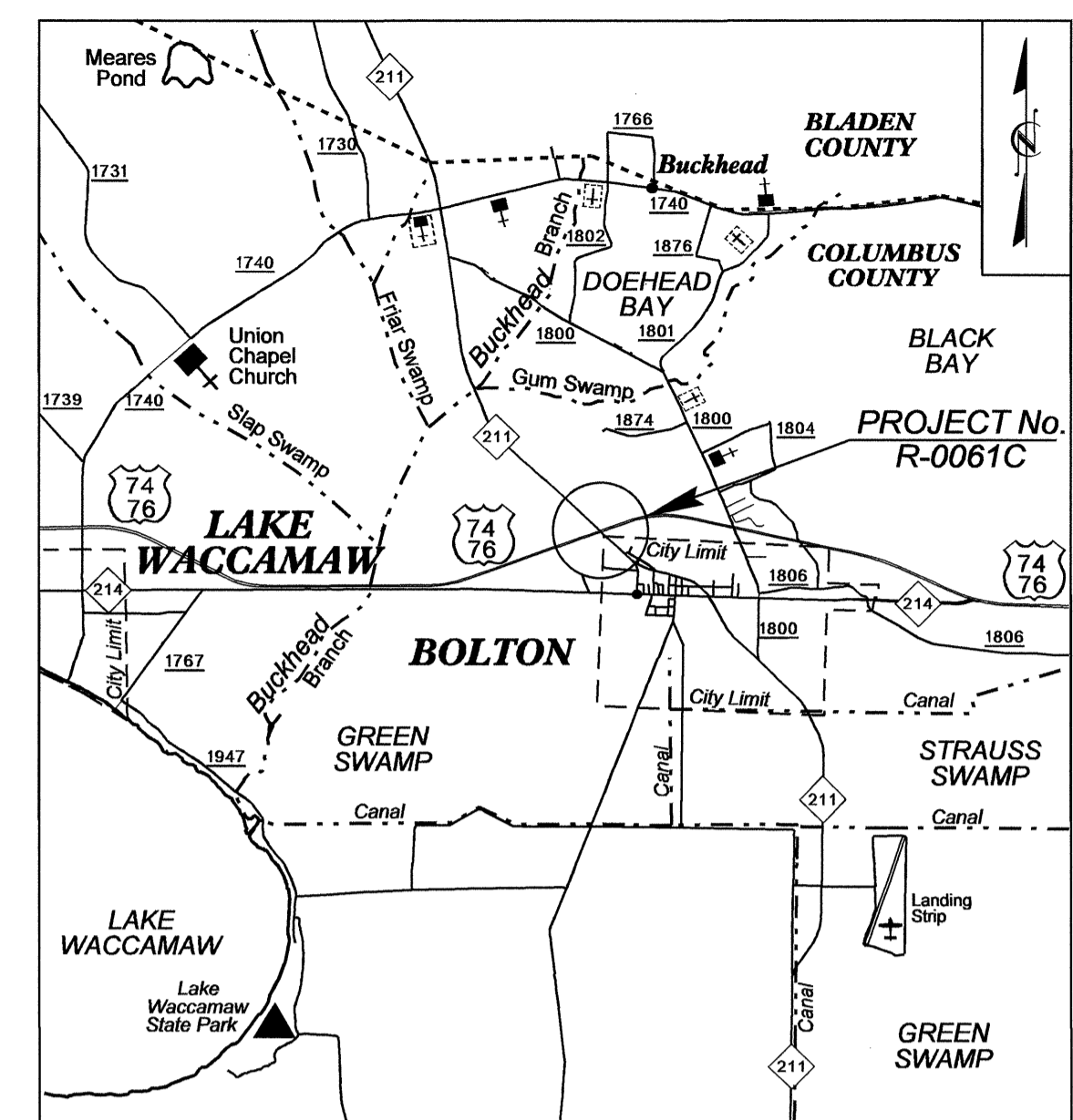
09/208/099

TIP PROJECT: R-0061C

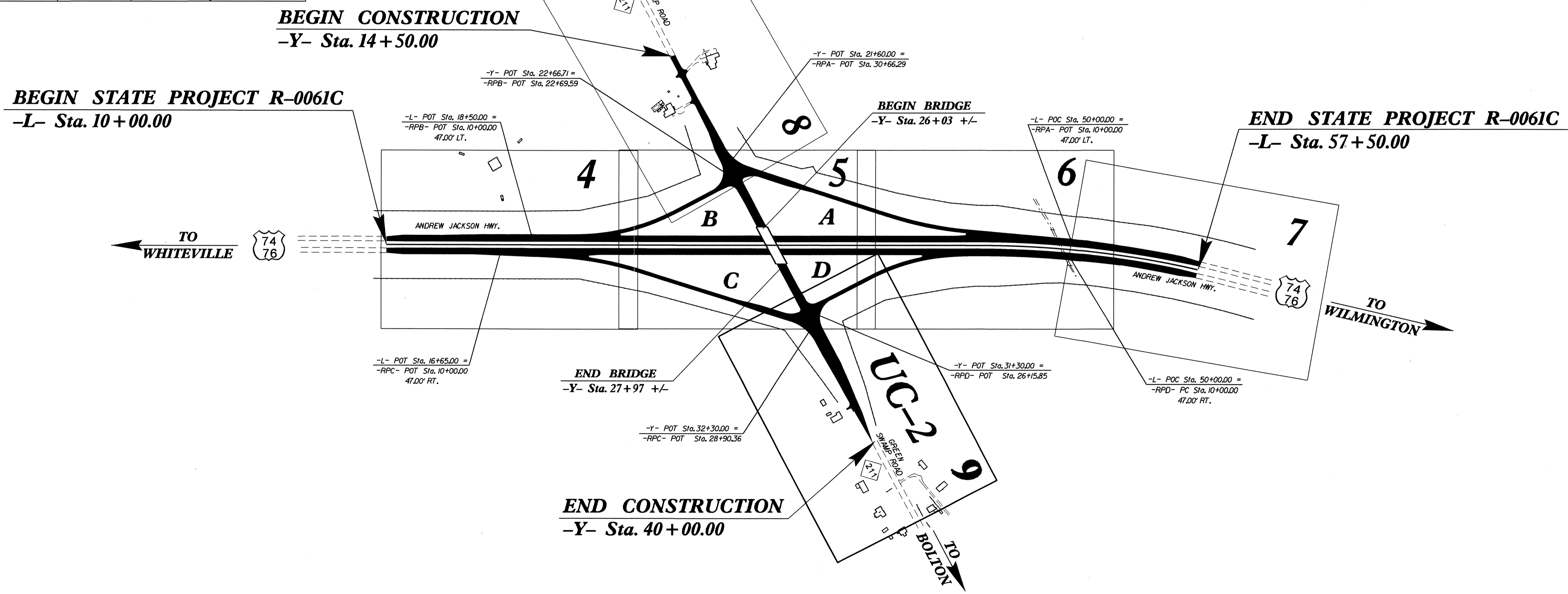
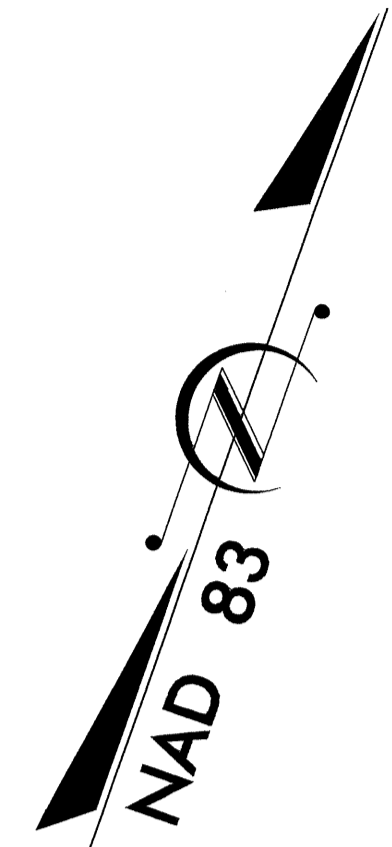
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

T.I.P. NO.	SHEET NO.
R-0061C	UC-1

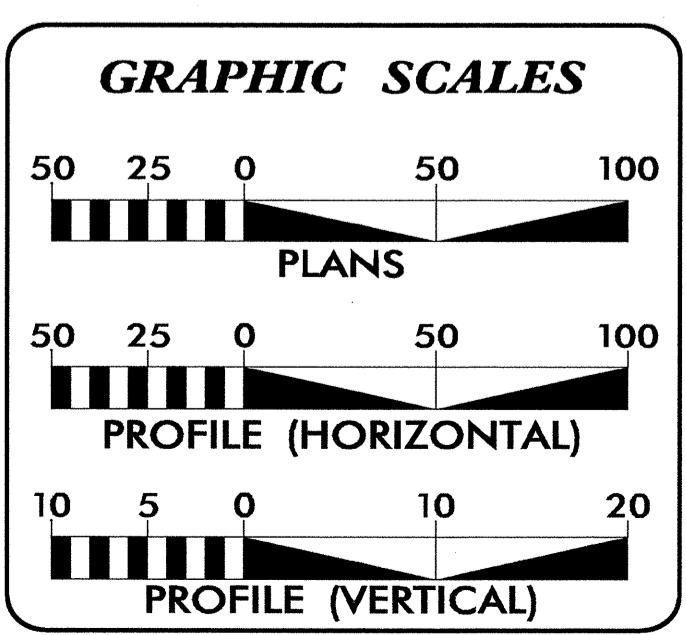
UTILITY CONSTRUCTION PLANS
COLUMBUS COUNTY



LOCATION: PROPOSED INTERCHANGE AT INTERSECTION
OF US 74/76 (ANDREW JACKSON HWY.) AND
NC 211 (GREEN SWAMP ROAD)
TYPE OF WORK:



12-MAY-2010 08:22:14 N:\Proj\0061c-ut-tittle-uc1.pst.dgn
\$\$\$\$\$USER\$NAME\$\$\$\$\$

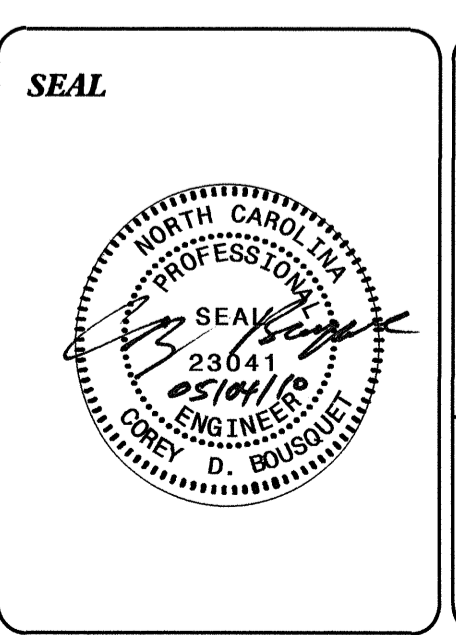


INDEX OF SHEETS

SHEET NO.	DESCRIPTION
UC-1	TITLE SHEET
UC-2	UTILITY CONSTRUCTION PLAN SHEETS

WATER OWNERS ON PROJECT

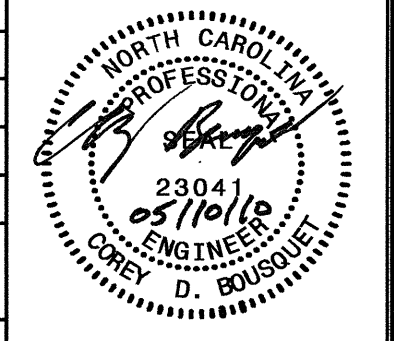
(1) TOWN OF BOLTON WATER



PREPARED IN THE OFFICE OF:
**DIVISION OF HIGHWAYS
PROJECT SERVICES
UTILITY SECTION**

1591 MAIL SERVICES CENTER
RALEIGH NC 27699-1591
PHONE (919) 250-4128
FAX (919) 250-4119

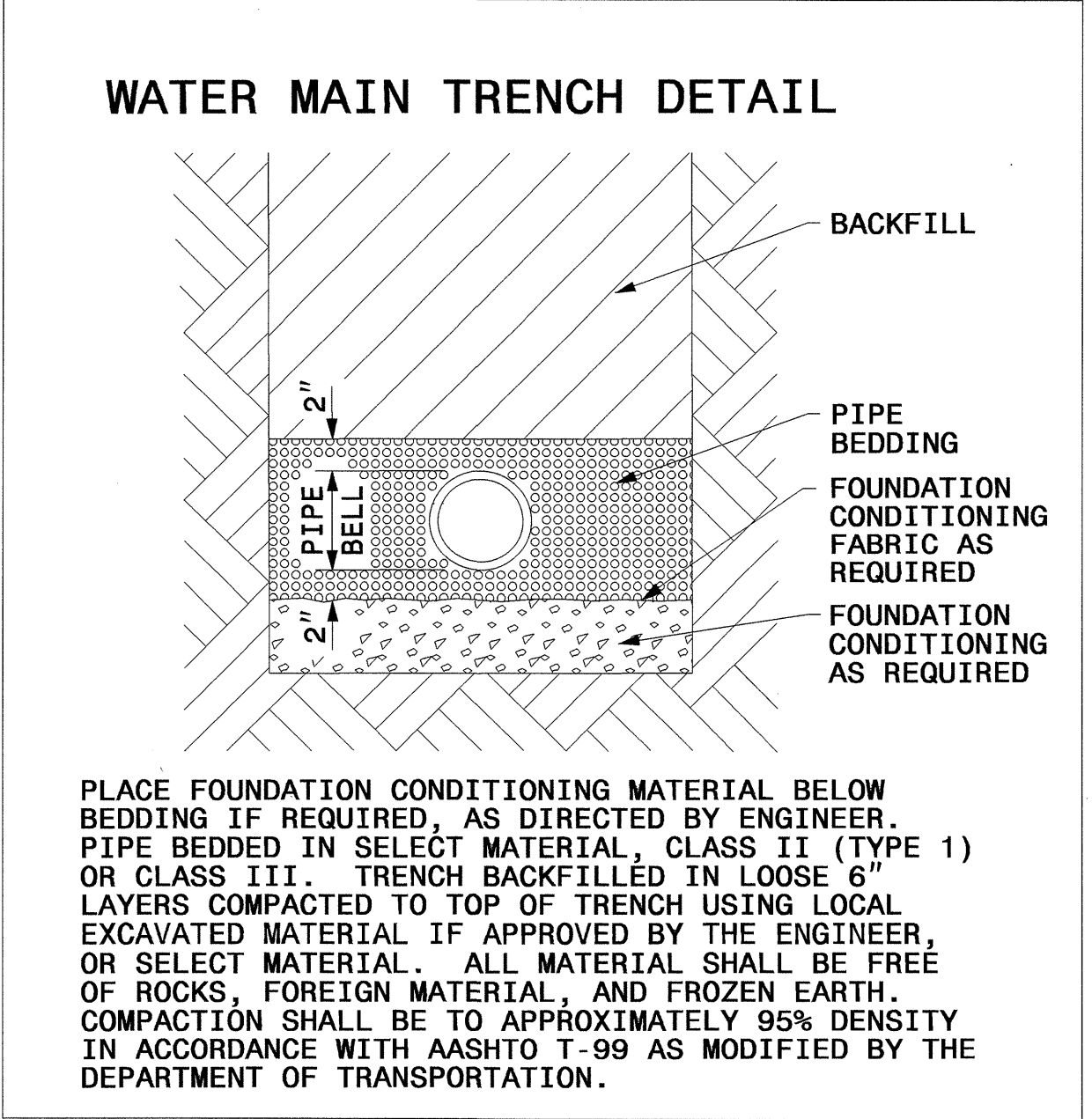
Roger Worthington, P.E. UTILITIES SECTION ENGINEER
Corey Bousquet, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
Nabil Hamdan UTILITIES PROJECT DESIGNER



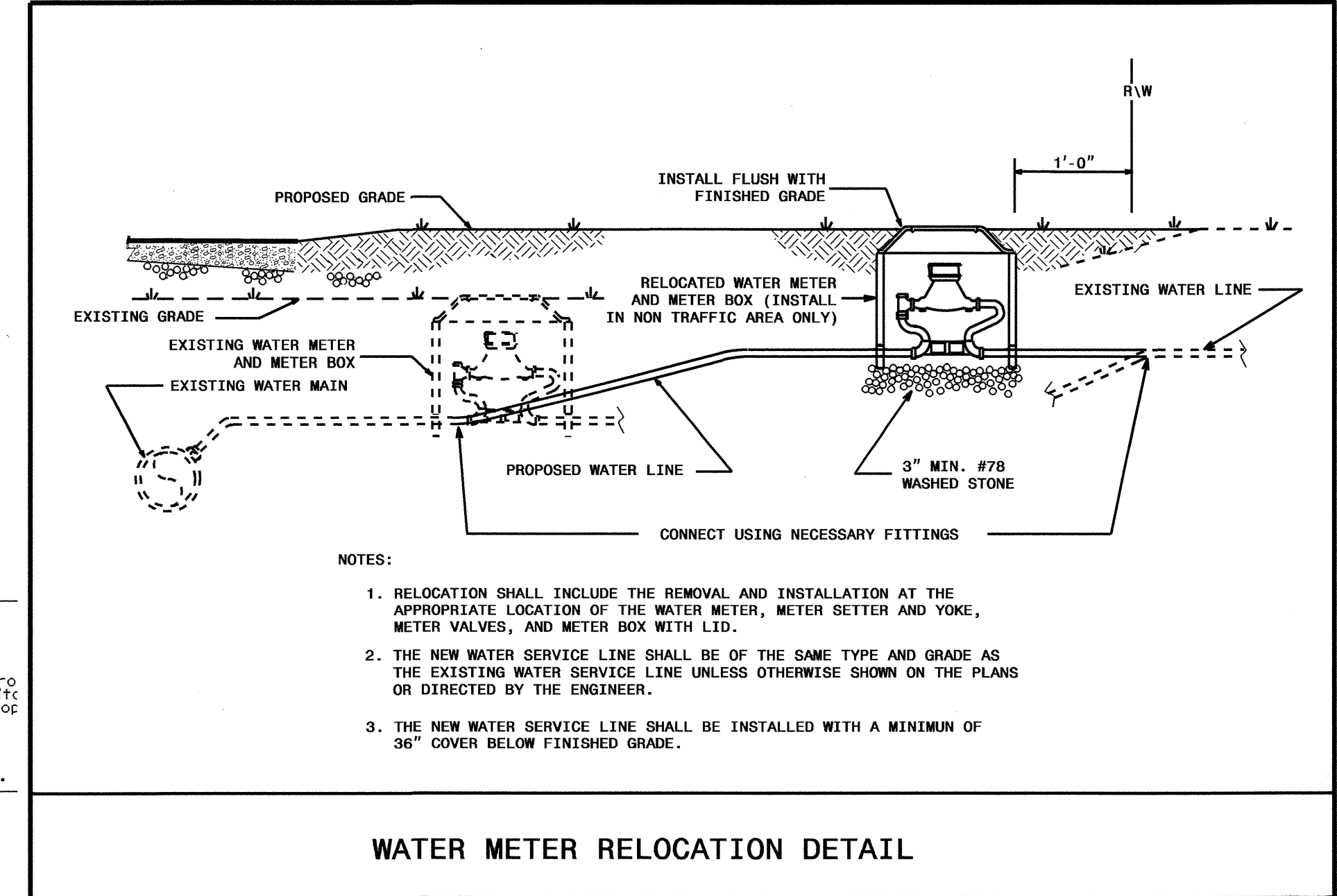
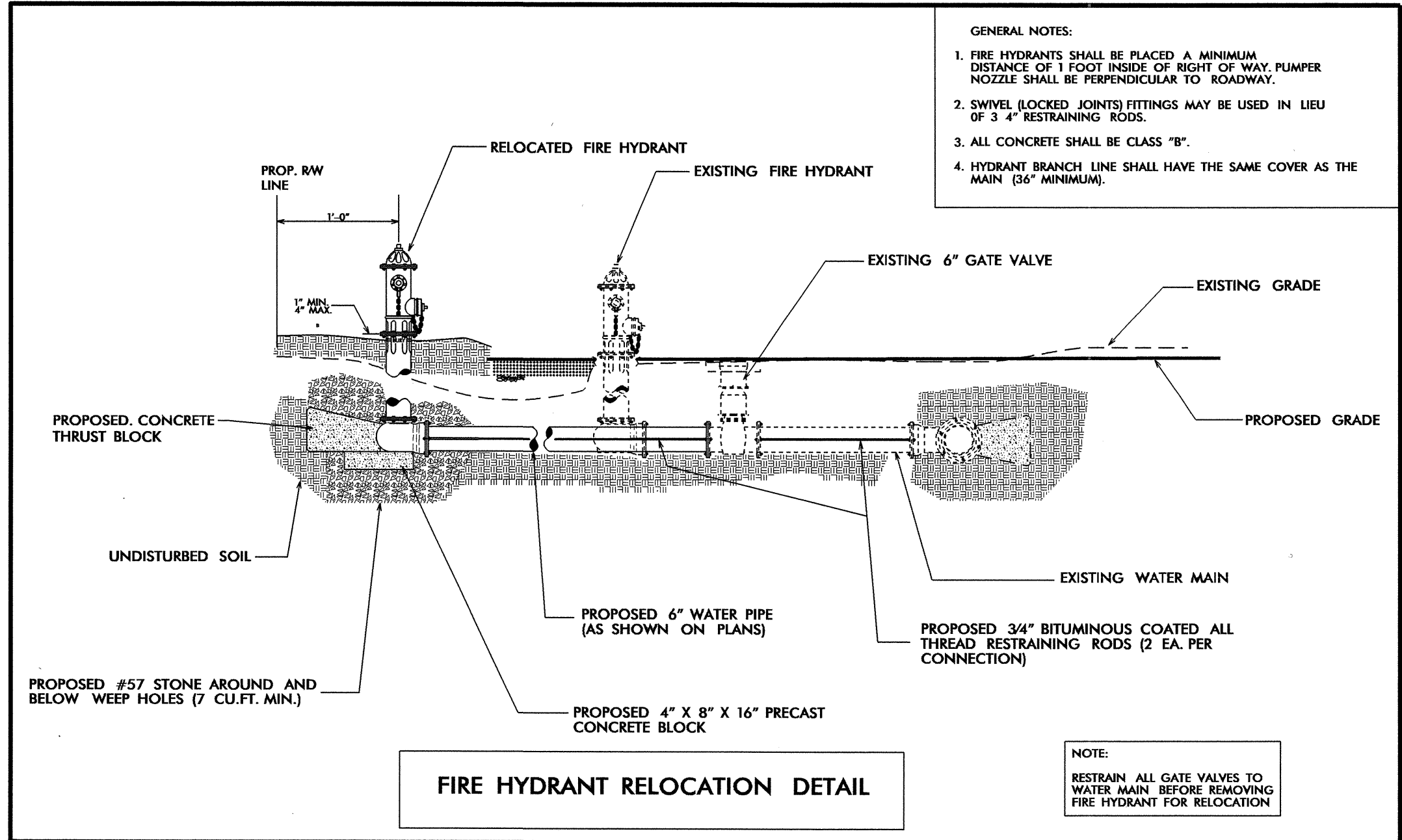
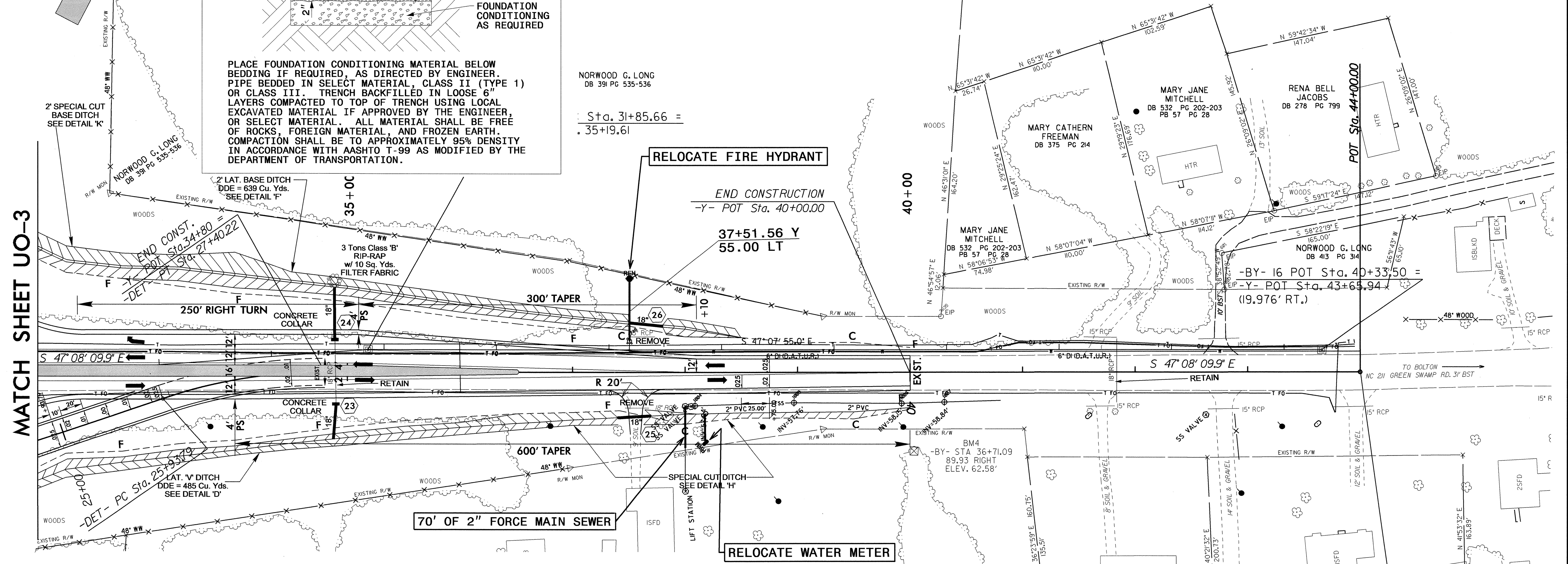
UTILITY CONSTRUCTION

MAXIMUM TRENCH WIDTH AT TOP OF PIPE

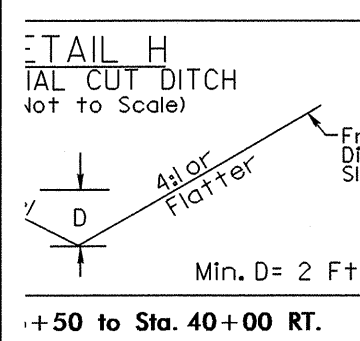
NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)	NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)
4	28	20	44
6	30	24	48
8	32	30	54
10	34	36	60
12	36	42	66
14	38	48	72
16	40	54	78
18	42		78



MATCH SHEET UO-3



- GENERAL NOTES:
1. FIRE HYDRANTS SHALL BE PLACED A MINIMUM DISTANCE OF 1 FOOT INSIDE OF RIGHT OF WAY. PUMPER NOZZLE SHALL BE PERPENDICULAR TO ROADWAY.
 2. SWIVEL (LOCKED JOINTS) FITTINGS MAY BE USED IN LIEU OF 3" 4" RESTRAINING RODS.
 3. ALL CONCRETE SHALL BE CLASS "B".
 4. HYDRANT BRANCH LINE SHALL HAVE THE SAME COVER AS THE MAIN (36" MINIMUM).

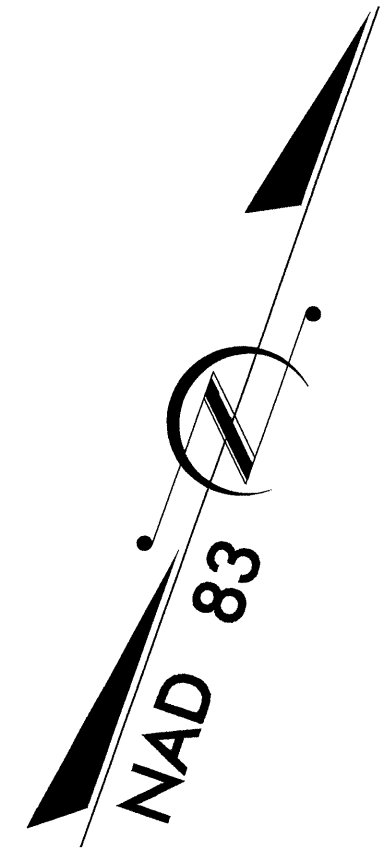


5/14/99
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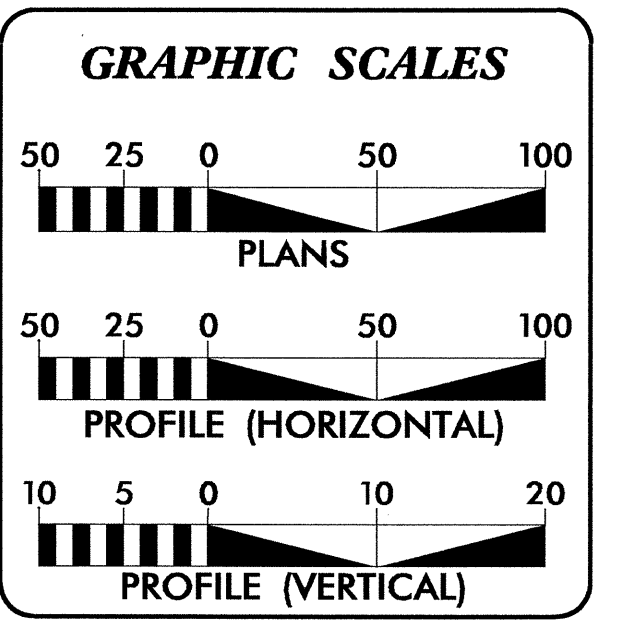
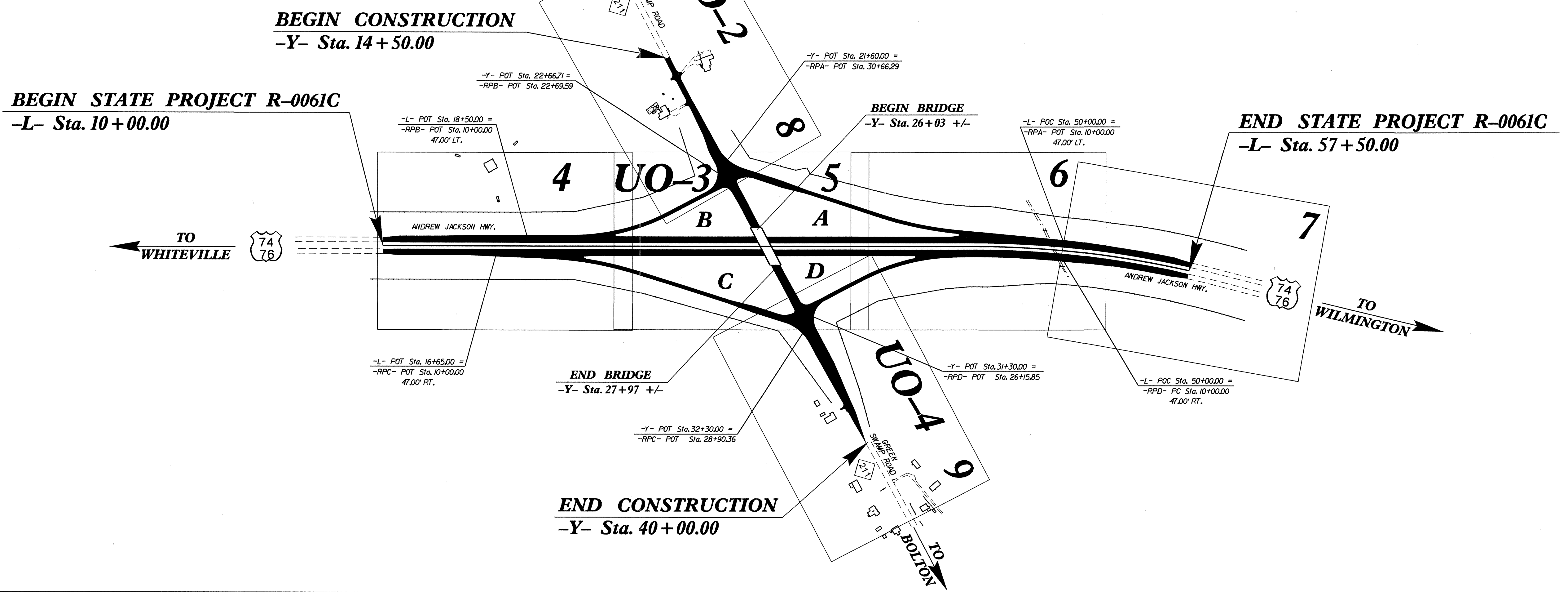
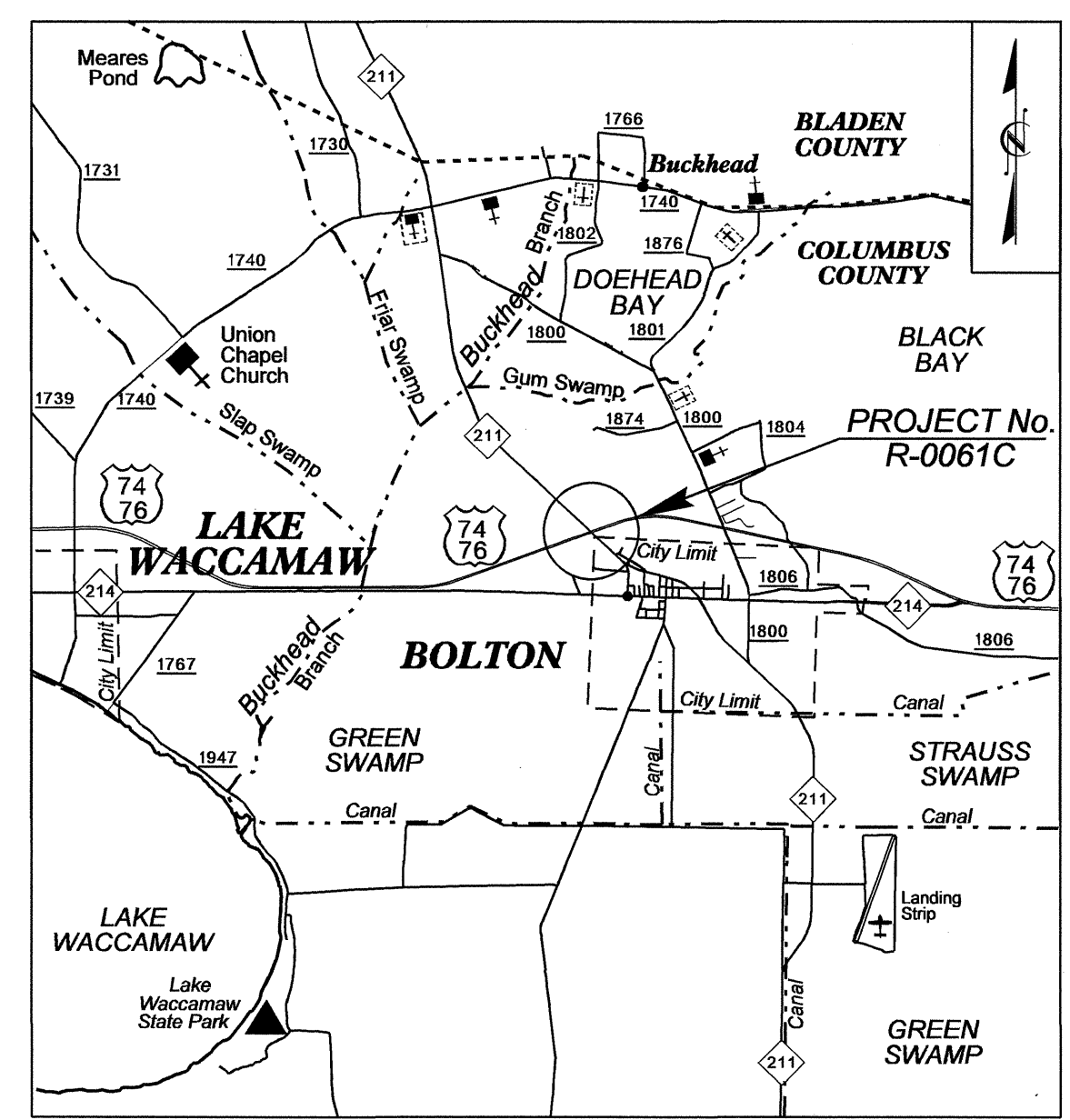
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

**UTILITY BY OTHERS PLANS
COLUMBUS COUNTY**

**LOCATION: PROPOSED INTERCHANGE AT INTERSECTION
OF US 74/76 (ANDREW JACKSON HWY.) AND
NC 211 (GREEN SWAMP ROAD)
TYPE OF WORK:**



TIP PROJECT: R-0061C

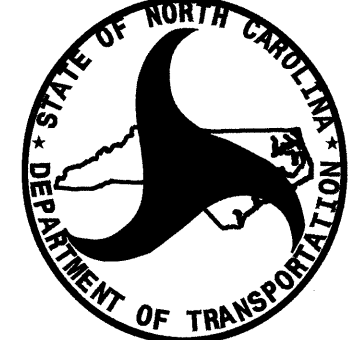


INDEX OF SHEETS

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

UTILITY OWNERS ON PROJECT

(1) Progress Energy (Power)
(2) AT&T (Telephone)



PREPARED IN THE OFFICE OF:
**DIVISION OF HIGHWAYS
DESIGN SERVICES
UTILITY SECTION**

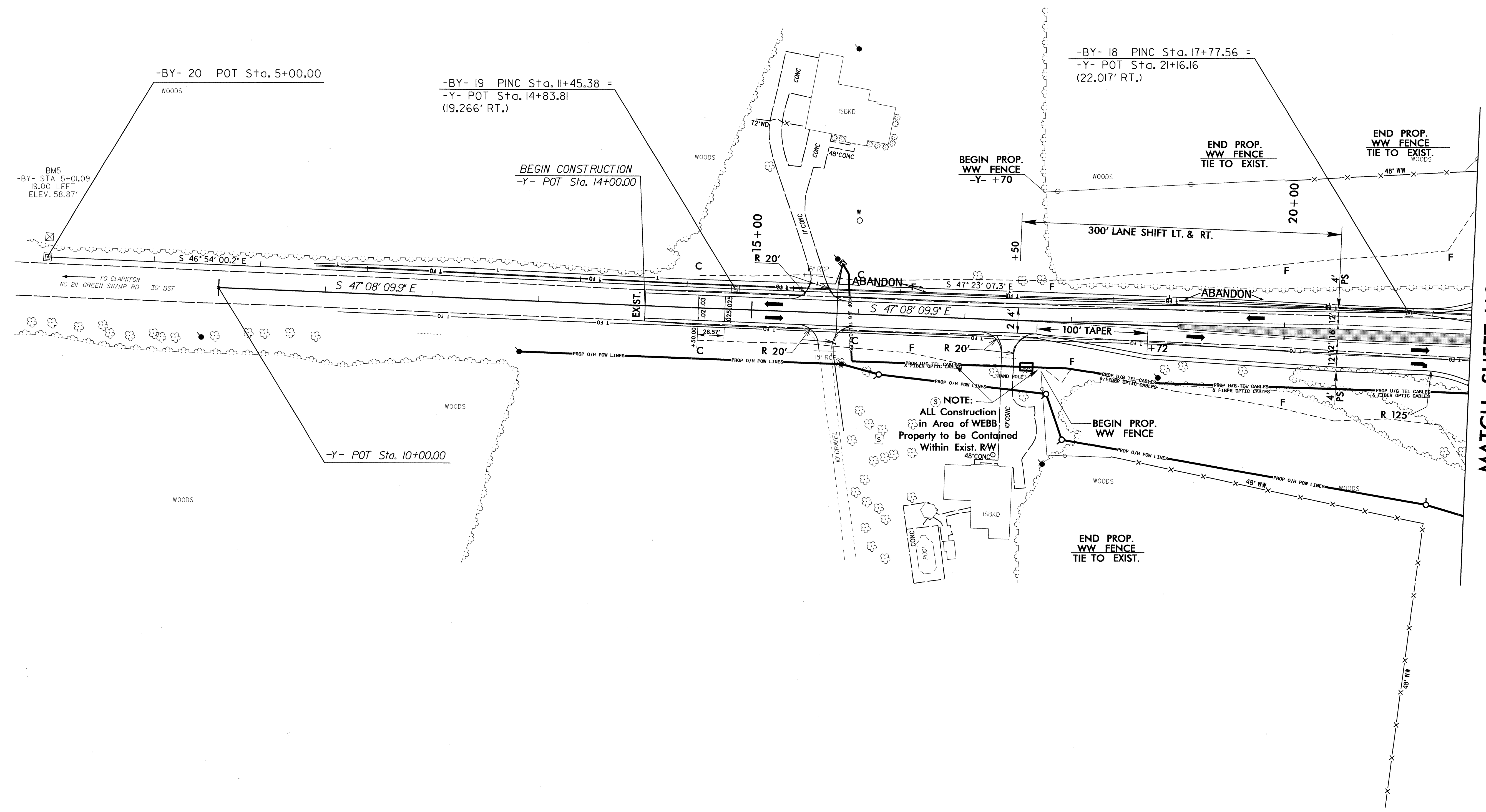
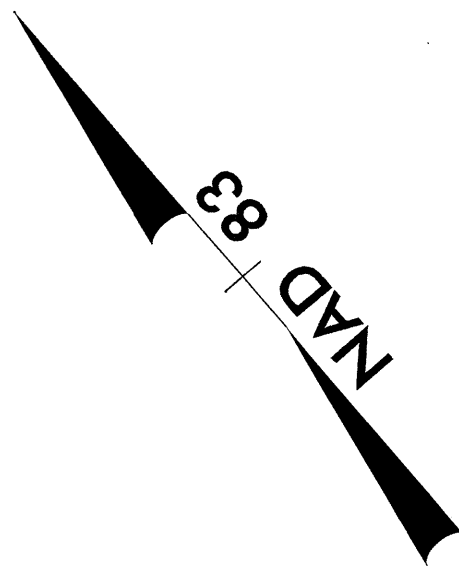
1591 MAIL SERVICES CENTER
RALEIGH NC 27699-1591
PHONE (919) 250-4128
FAX (919) 250-4119

Roger Worthington, P.E. UTILITIES SECTION ENGINEER
Corey Bousquet, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER
Stephanie Athey UTILITIES PROJECT DESIGNER

12-MAY-2010 10:38 R:\Utilities\RDY_Ut\Proj\R0061c_ut_title_uol_psh.dgn

UTILITIES BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK
SHOWN ON THIS SHEET WILL
BE DONE BY OTHERS



MATCH SHEET U0-3

5/14/99

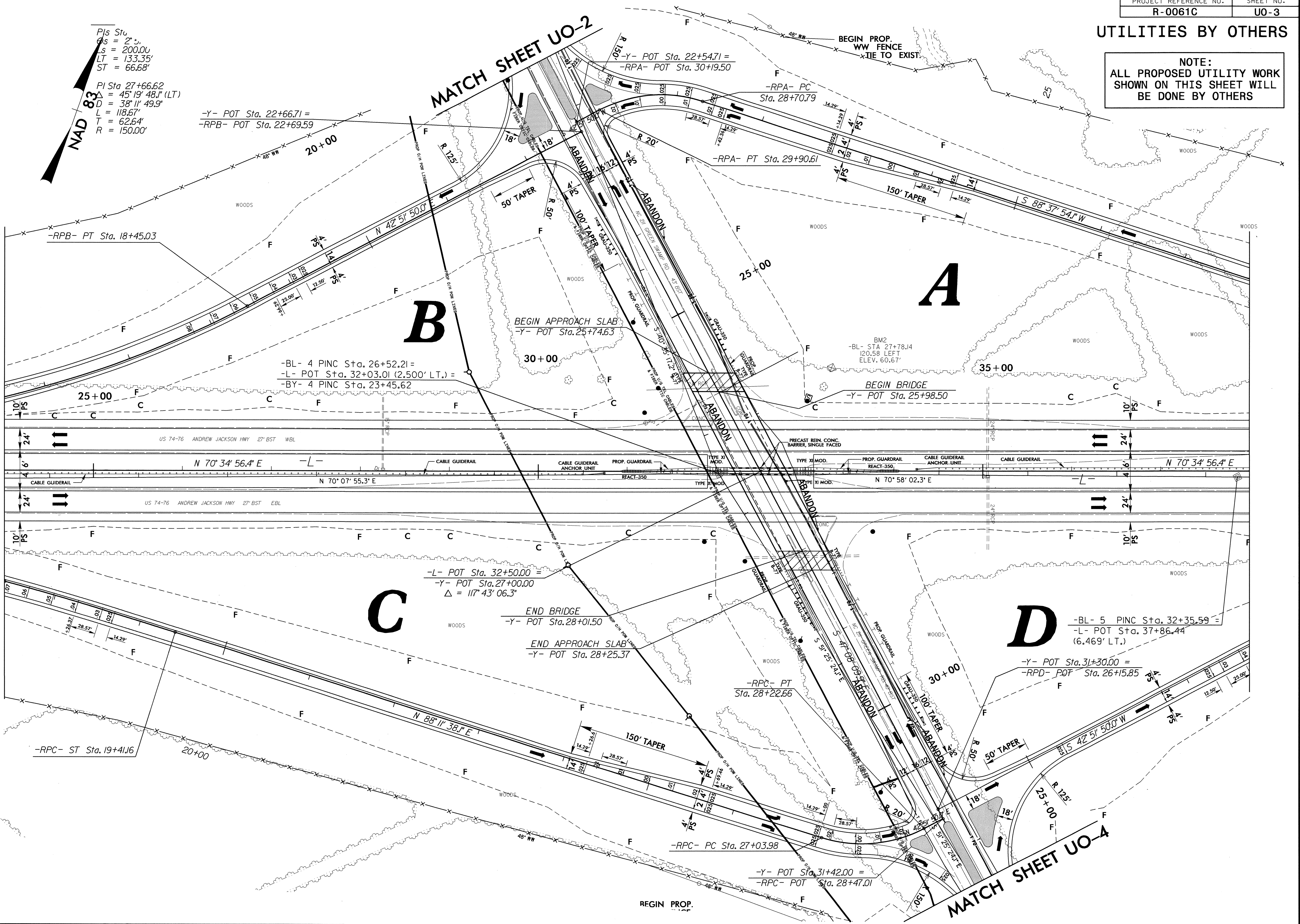
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UTILITIES BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK
SHOWN ON THIS SHEET WILL
BE DONE BY OTHERS

PIs Sta
 $\Delta s = 2.5'$
 $s = 200.00'$
 $LT = 133.35'$
 $ST = 66.68'$

PI Sta 27+66.62
 $\Delta = 45' 19" 48.1" (LT)$
 $D = 38' 11" 49.9'$
 $L = 118.67'$
 $T = 62.64'$
 $R = 150.00'$



B

A

C

D

MATCH SHEET UO-2

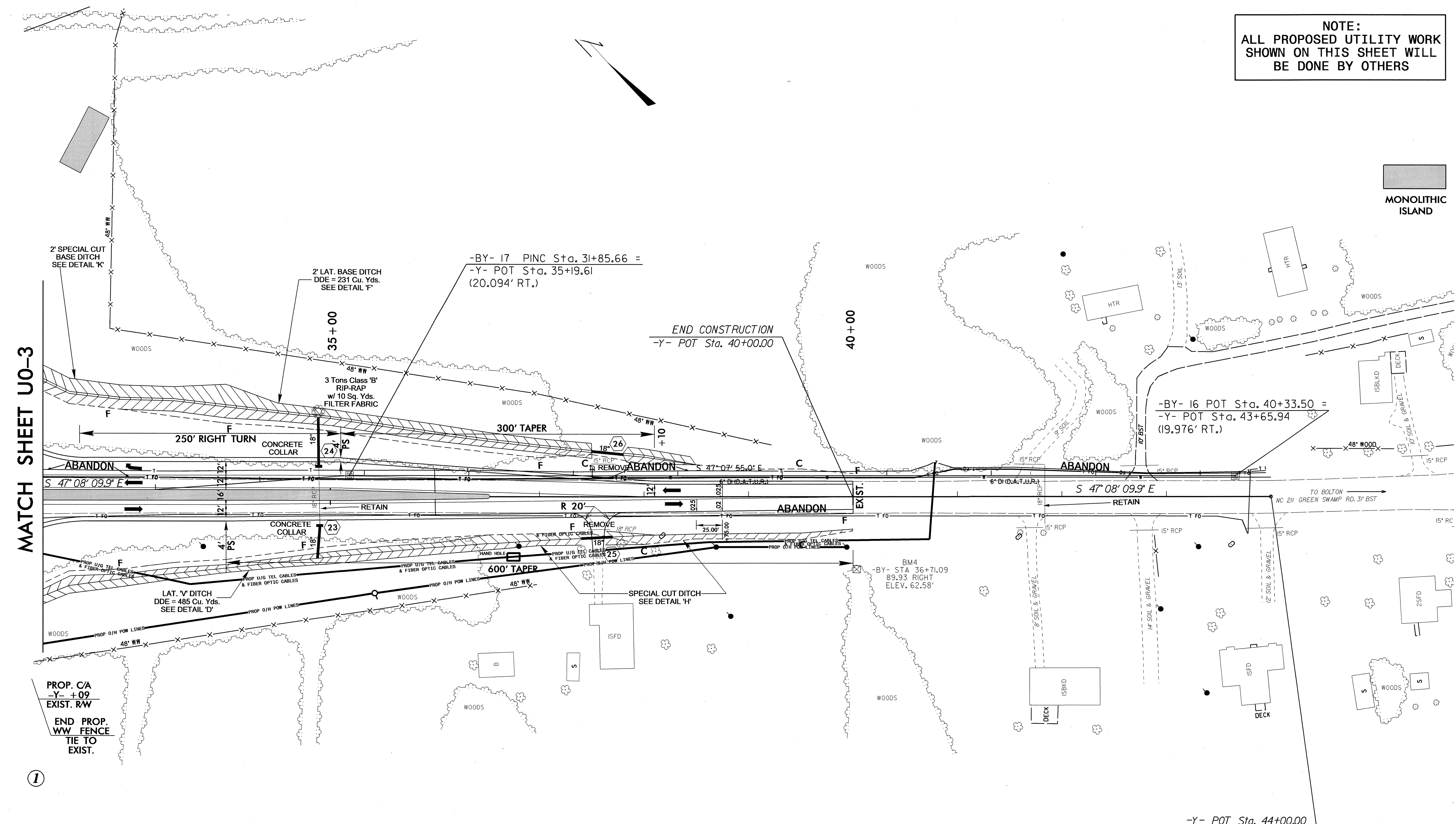
MATCH SHEET UO-A

5/14/95

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 \$\$\$USERNAME\$\$\$

UTILITIES BY OTHERS

NOTE:
ALL PROPOSED UTILITY WORK
SHOWN ON THIS SHEET WILL
BE DONE BY OTHERS



MATCH SHEET U0-3

1

PROP. CA
-Y- +09
EXIST. RW

END PROP.
WW FENCE
TIE TO
EXIST.

-Y- POT Sta. 44+00.00

5/14/99

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