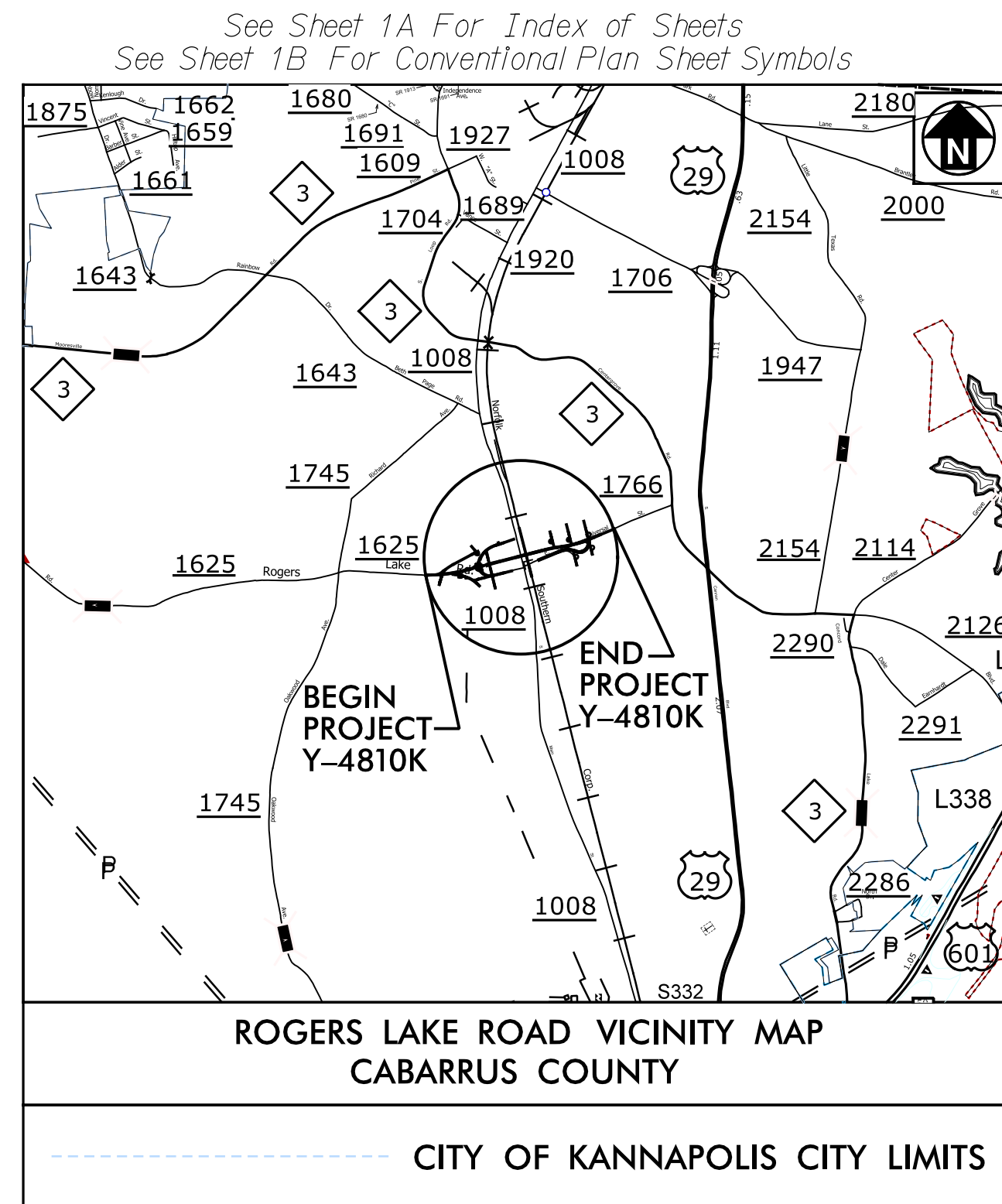


9:04:35 AM I:\Projects\Simpson_Eng-3253\A-Rogers-Lake_Road\90perc-Plans_Revised\Roadway\Proj\Y4810K_rdy_Ub0_tsh.dgn jnarfls

TIP PROJECT: Y-4810K



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

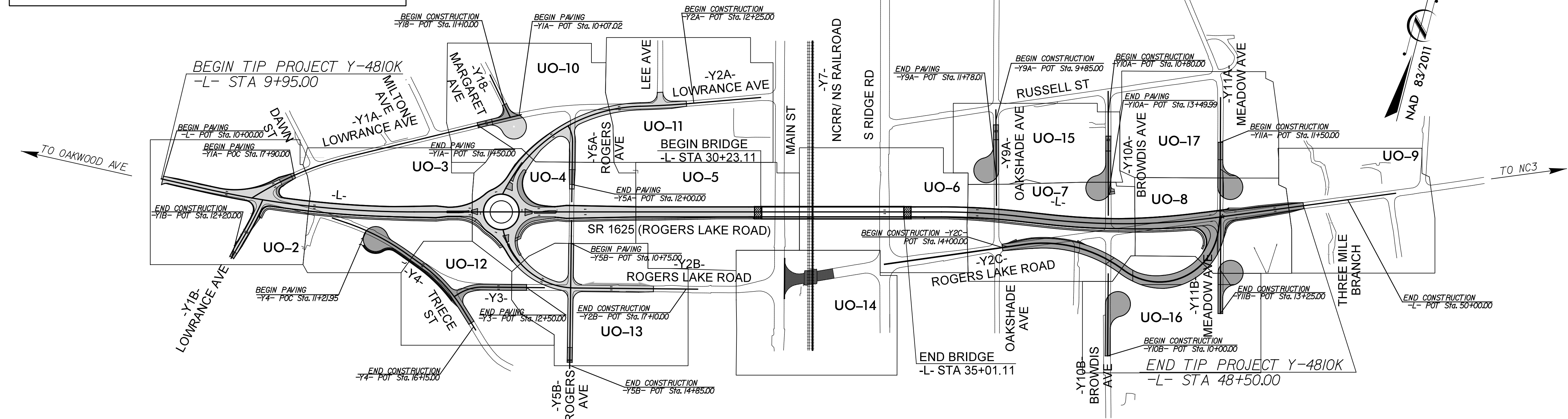
**UTILITIES BY OTHERS PLANS
CABARRUS COUNTY**

**LOCATION: SR 1625 (ROGERS LAKE RD) GRADE SEPARATION OVER
NCRRNS RAILROAD (CROSSING #724408Y) NEAR MILEPOST MP 350.73**

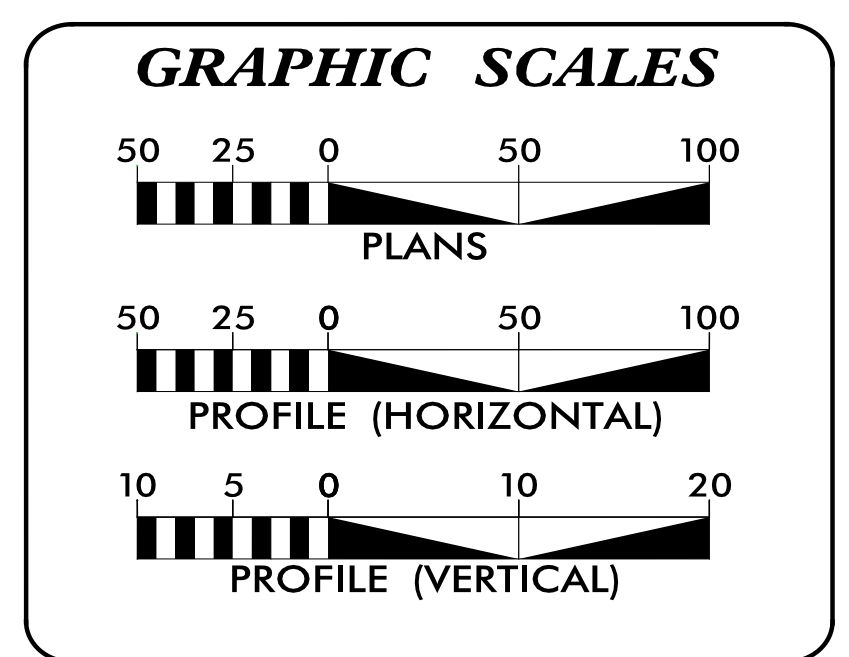
TYPE OF WORK: UTILITIES BY OTHERS

T.I.P. NO.	SHEET NO.
Y-4810K	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.



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



INDEX OF SHEETS

SHEET NO.:	DESCRIPTION:
UO-1	TITLE SHEET
UO-02 THRU UO-17	UBO PLAN SHEETS

UTILITY OWNERS WITH CONFLICTS

- (A) POWER - DUKE ENERGY
- (B) TELEPHONE - AT&T
- (C) GAS - PSNC ENERGY
- (D) COMMUNICATIONS - LEVEL 3/CENTURYLINK
- (E) COMMUNICATIONS - WINDSTREAM
- (F) COMMUNICATIONS - SPECTRUM CATV

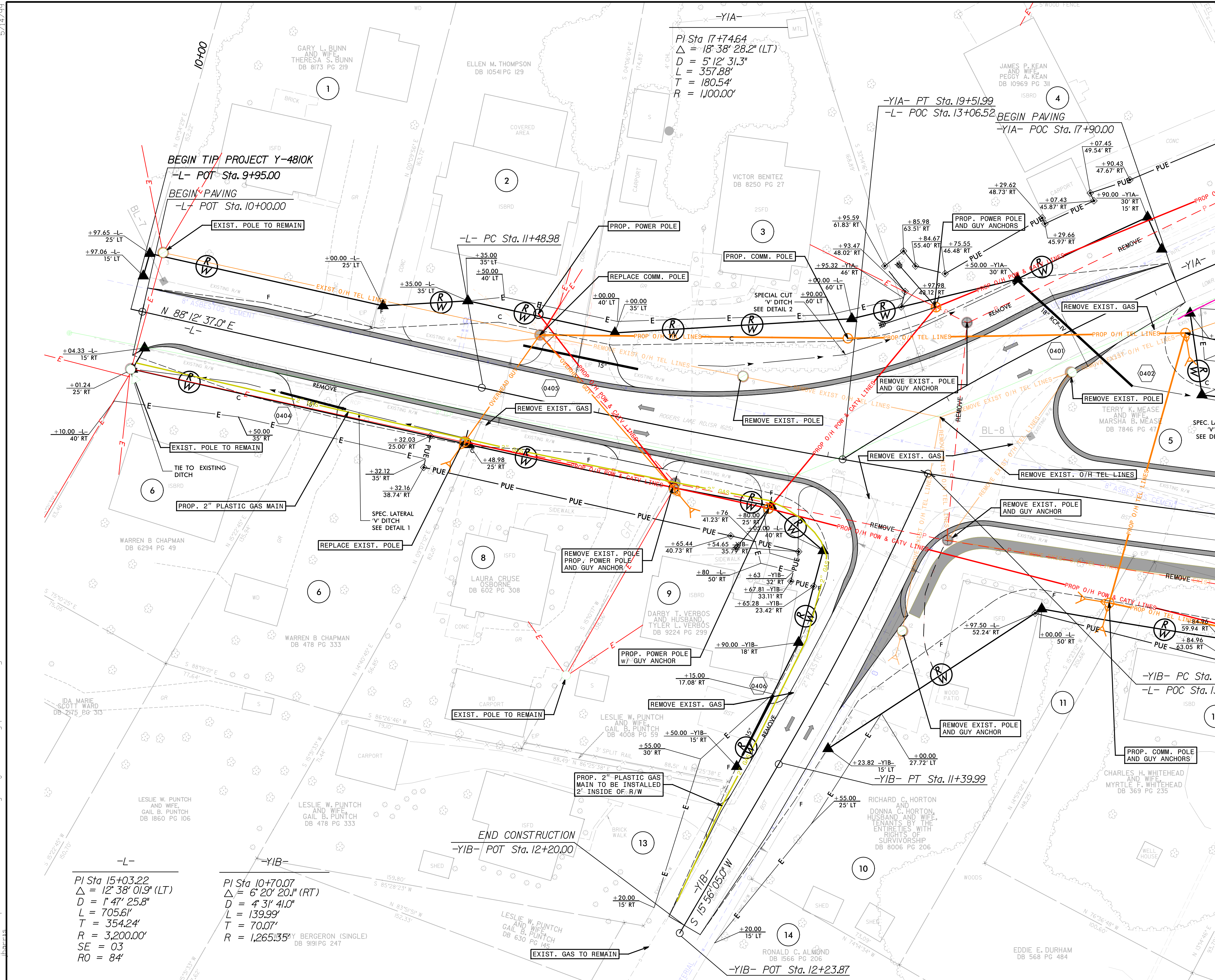
PREPARED IN THE OFFICE OF:

THE WOOTEN COMPANY
120 North Boylan Avenue Raleigh NC 27603-1423
919.828.0531 fax 919.834.3589
License Number: F-0115

ED REAMS	UTILITY PROJECT MANAGER
TOMMY MARTIN	PROJECT UTILITY COORDINATOR

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

MICHAEL BRIGHT	UTILITIES REGIONAL ENGINEER
MICHAEL BRIGHT	UTILITIES ENGINEER
AMY DUPREE	UTILITIES AREA COORDINATOR



UTILITIES BY OTHERS

MATCHLINE SEE SHEET UO-3 STA 17+50.00

MATCHLINE SEE SHEET UO-3 -L- STA 15+00.00

-L-
 PI Sta 15+03.22
 Δ = 12° 38' 01.9" (LT)
 D = 1' 41' 25.8"
 L = 705.61'
 T = 354.24'
 R = 3,200.00'
 SE = 03
 RO = 84'



-YIB-
 PI Sta 10+70.07
 Δ = 6° 20' 20.1" (RT)
 D = 4' 31' 41.0"
 L = 139.99'
 T = 70.07'
 R = 1,265.35'

SEE SHEET 2D-1 FOR DITCH DETAILS

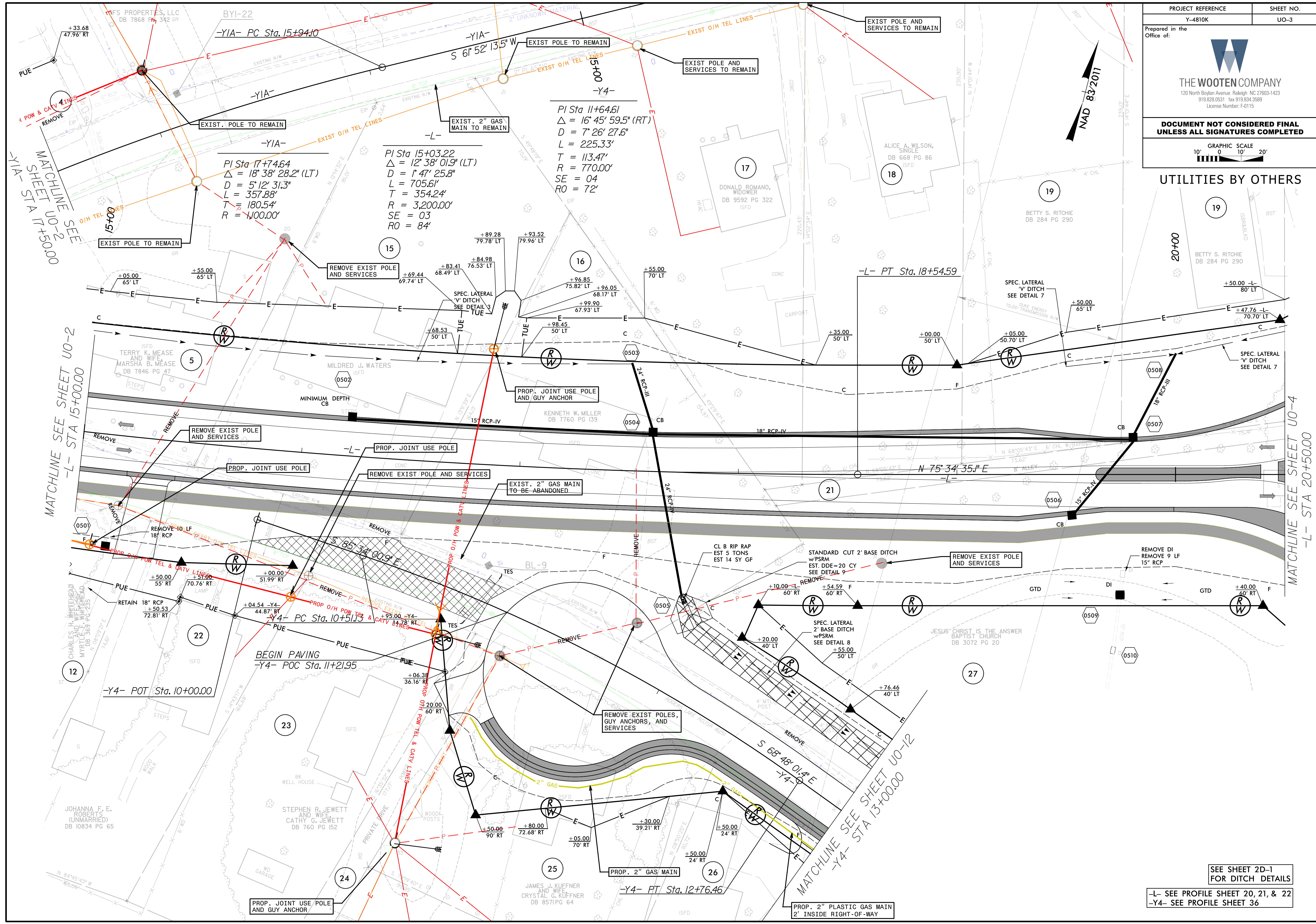
-L- SEE PROFILE SHEET 20
 -YIA- SEE PROFILE SHEET 29
 -YIB- SEE PROFILE SHEET 30

5/14/99

9:06:19 AM \\pperc-plans-revised\Roadway\Proj\Y4810K-rdy-psh-04-UO-2.dgn
 Rogers.Lok...

PROJECT REFERENCE	SHEET NO.
Y-4810K	UO-3
Prepared in the Office of:	
 THE WOOTEN COMPANY 120 North Boylan Avenue Raleigh, NC 27603-1423 919.828.0531 fax 919.834.3589 License Number: F-0115	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
GRAPHIC SCALE 10' 0 10' 20' 	

UTILITIES BY OTHERS



MATCHLINE SEE SHEET UO-2
-Y1A- STA 17+50.00

MATCHLINE SEE SHEET UO-2
-L- STA 15+00.00

MATCHLINE SEE SHEET UO-4
-L- STA 20+50.00

PI Sta 11+64.61
 $\Delta = 16' 45' 59.5''$ (RT)
 $D = 7' 26' 27.6''$
 $L = 225.33'$
 $T = 113.47'$
 $R = 770.00'$
 $SE = 04'$
 $RO = 72'$

PI Sta 17+74.64
 $\Delta = 18' 38' 28.2''$ (LT)
 $D = 5' 12' 31.3''$
 $L = 357.88'$
 $T = 180.54'$
 $R = 1100.00'$

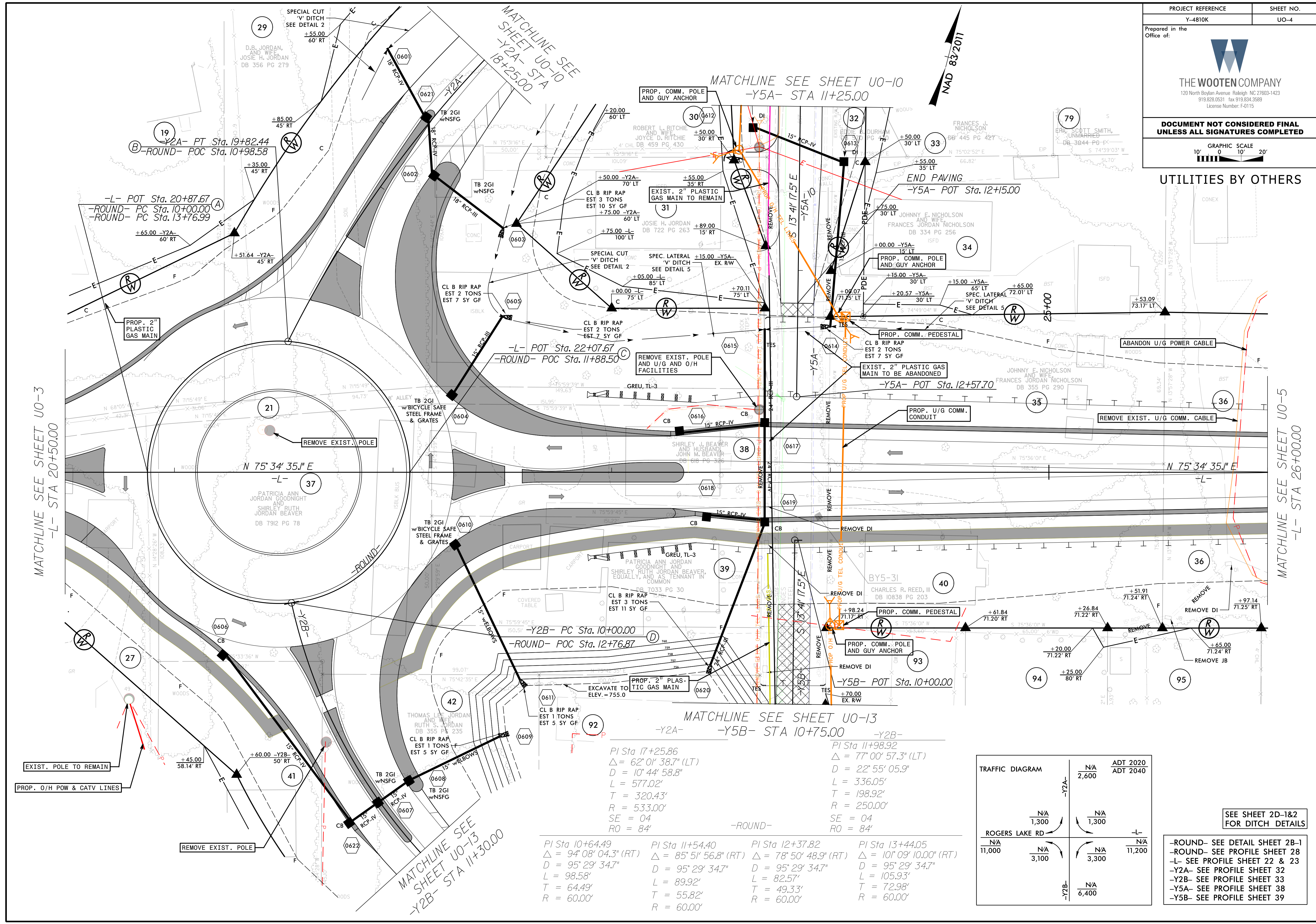
PI Sta 15+03.22
 $\Delta = 12' 38' 01.9''$ (LT)
 $D = 1' 47' 25.8''$
 $L = 705.61'$
 $T = 354.24'$
 $R = 3,200.00'$
 $SE = 03'$
 $RO = 84'$

NAD 83/2011

SEE SHEET 2D-1 FOR DITCH DETAILS

-L- SEE PROFILE SHEET 20, 21, & 22
 -Y4- SEE PROFILE SHEET 36

UTILITIES BY OTHERS



MATCHLINE SEE SHEET UO-3
-L- STA 20+50.00

MATCHLINE SEE SHEET UO-5
-L- STA 26+00.00

MATCHLINE SEE SHEET UO-10
-Y2A- STA 18+25.00

MATCHLINE SEE SHEET UO-11
-Y5A- STA 11+25.00

MATCHLINE SEE SHEET UO-13
-Y2A- -Y5B- STA 10+75.00

<p>PI Sta 10+64.49 Δ = 94° 08' 04.3" (RT) D = 95° 29' 34.7" L = 98.58' T = 64.49' R = 60.00'</p>	<p>PI Sta 11+54.40 Δ = 85° 51' 56.8" (RT) D = 95° 29' 34.7" L = 89.92' T = 55.82' R = 60.00'</p>	<p>PI Sta 12+37.82 Δ = 78° 50' 48.9" (RT) D = 95° 29' 34.7" L = 82.57' T = 49.33' R = 60.00'</p>	<p>PI Sta 13+44.05 Δ = 101° 09' 10.00" (RT) D = 95° 29' 34.7" L = 105.93' T = 72.98' R = 60.00'</p>
--	--	--	---

PI Sta 17+25.86
Δ = 62° 01' 38.7" (LT)
D = 10° 44' 58.8"
L = 577.02'
T = 320.43'
R = 533.00'
SE = 04
RO = 84'

PI Sta 11+98.92
Δ = 77° 00' 57.3" (LT)
D = 22° 55' 05.9"
L = 336.05'
T = 198.92'
R = 250.00'
SE = 04
RO = 84'

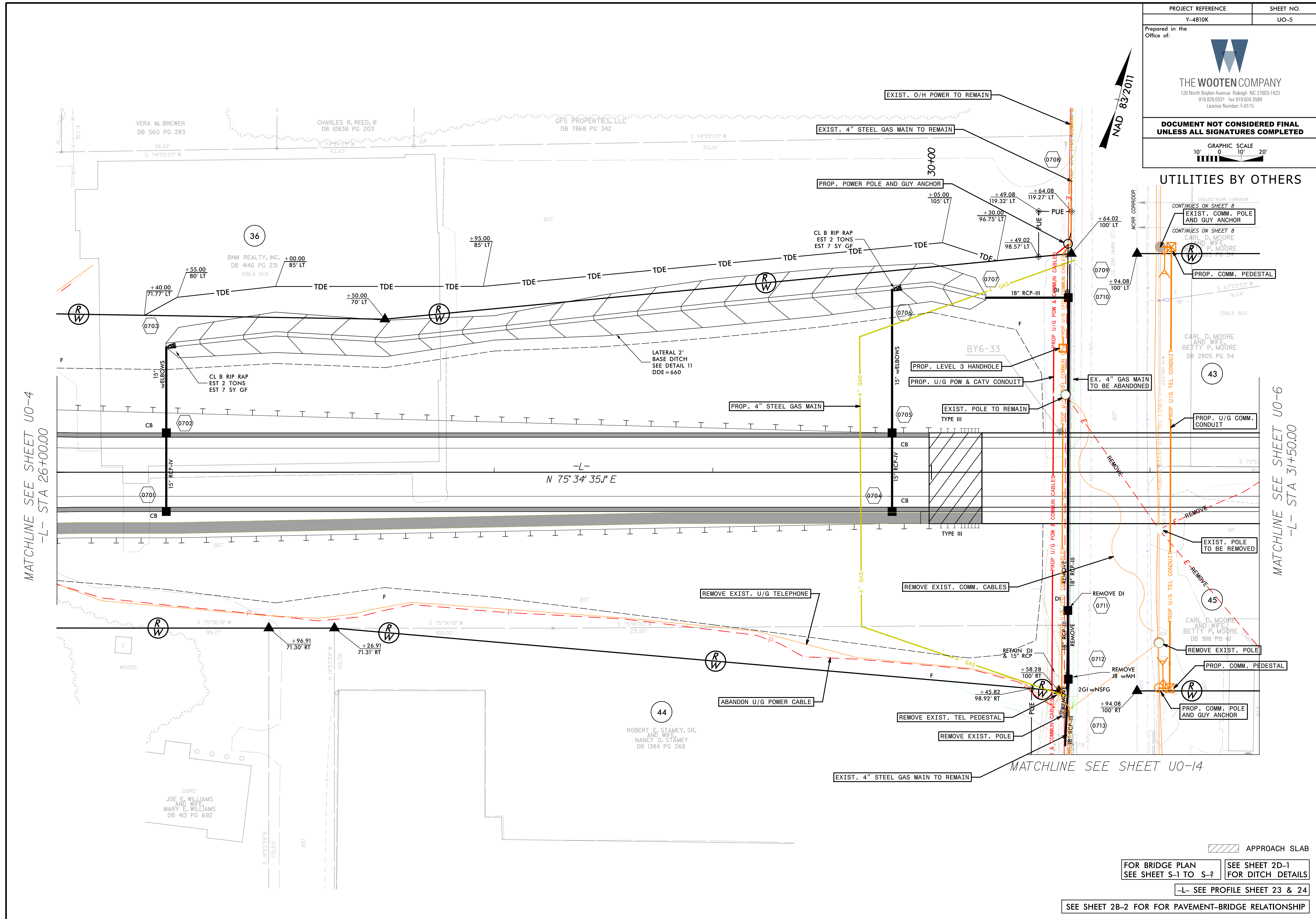
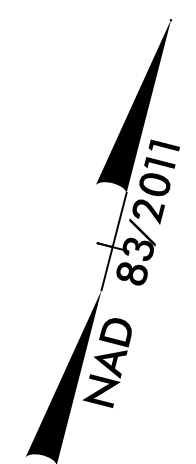
TRAFFIC DIAGRAM

		N/A 2,600	ADT 2020 ADT 2040
	-Y2A-		
		N/A 1,300	N/A 1,300
	-L-		
		N/A 11,000	N/A 11,200
		N/A 3,100	N/A 3,300
	-Y2B-		
		N/A 6,400	

SEE SHEET 2D-1&2 FOR DITCH DETAILS

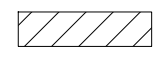
-ROUND- SEE DETAIL SHEET 2B-1
-L- SEE PROFILE SHEET 22 & 23
-Y2A- SEE PROFILE SHEET 32
-Y2B- SEE PROFILE SHEET 33
-Y5A- SEE PROFILE SHEET 38
-Y5B- SEE PROFILE SHEET 39

UTILITIES BY OTHERS

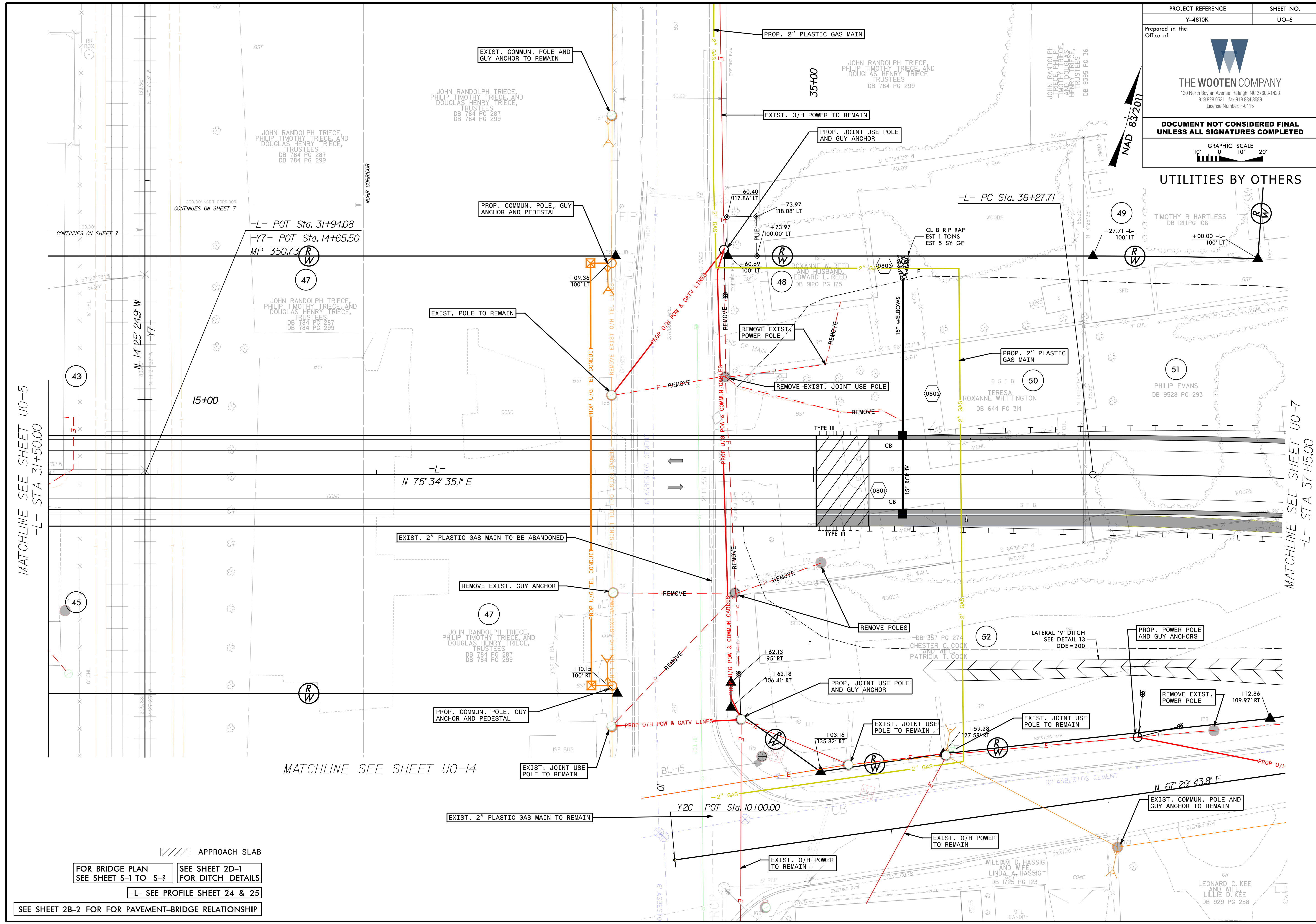


MATCHLINE SEE SHEET UO-4
-L- STA 26+00.00

MATCHLINE SEE SHEET UO-6
-L- STA 31+50.00


 APPROACH SLAB
 FOR BRIDGE PLAN SEE SHEET S-1 TO S-2 SEE SHEET 2D-1 FOR DITCH DETAILS
 -L- SEE PROFILE SHEET 23 & 24
 SEE SHEET 2B-2 FOR FOR PAVEMENT-BRIDGE RELATIONSHIP

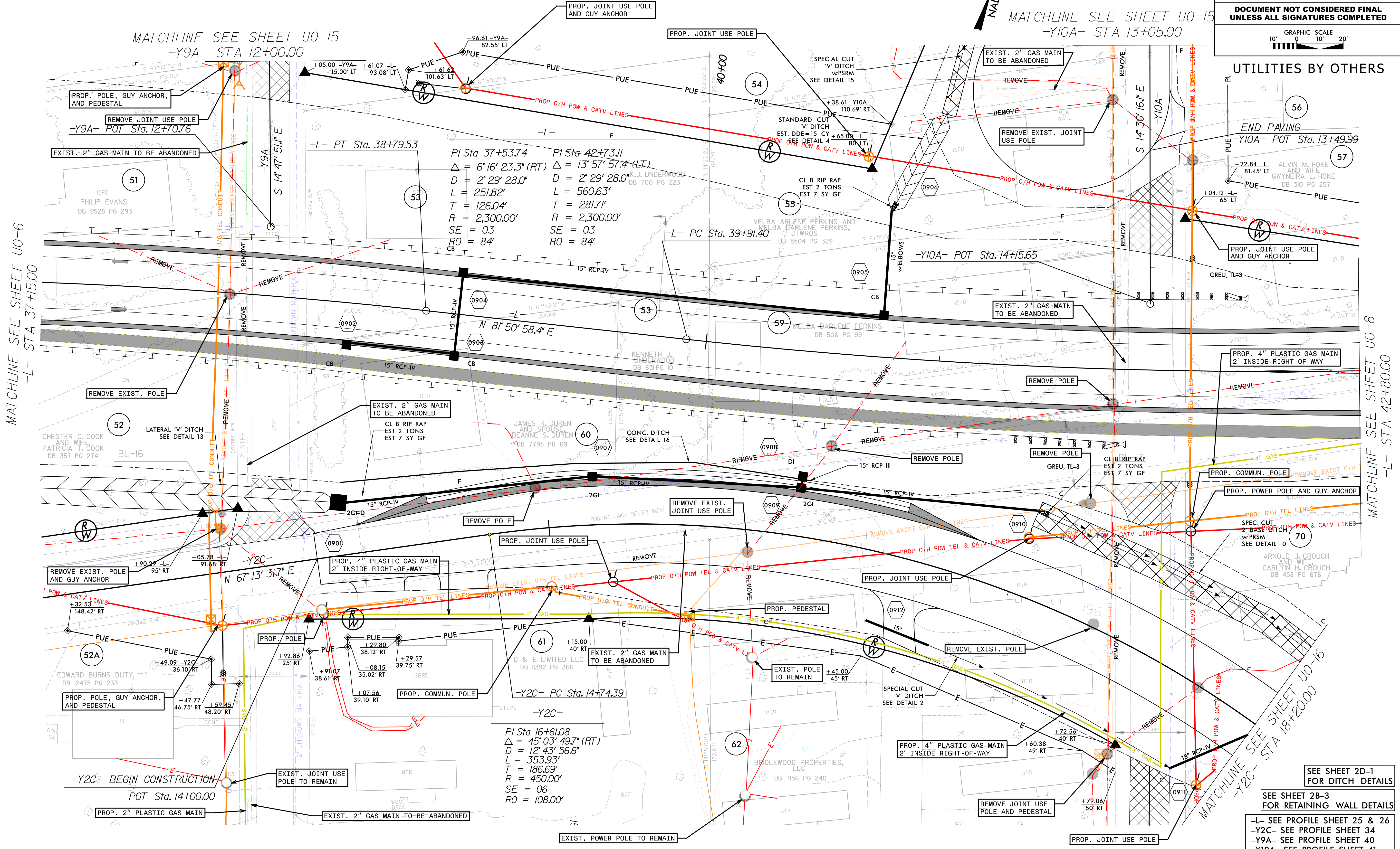
UTILITIES BY OTHERS



MATCHLINE SEE SHEET UO-5
-L- STA 31+50.00

MATCHLINE SEE SHEET UO-7
-L- STA 37+15.00

 APPROACH SLAB
 FOR BRIDGE PLAN SEE SHEET S-1 TO S-? SEE SHEET 2D-1 FOR DITCH DETAILS
 -L- SEE PROFILE SHEET 24 & 25
 SEE SHEET 2B-2 FOR PAVEMENT-BRIDGE RELATIONSHIP



MATCHLINE SEE SHEET UO-6
-L- STA 37+15.00

MATCHLINE SEE SHEET UO-8
-L- STA 42+80.00

MATCHLINE SEE SHEET UO-15
-Y9A- STA 12+00.00

MATCHLINE SEE SHEET UO-15
-Y10A- STA 13+05.00

SEE SHEET 2D-1
FOR DITCH DETAILS

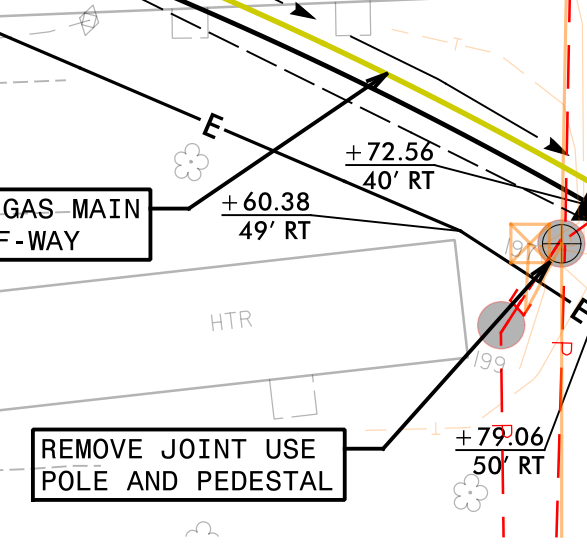
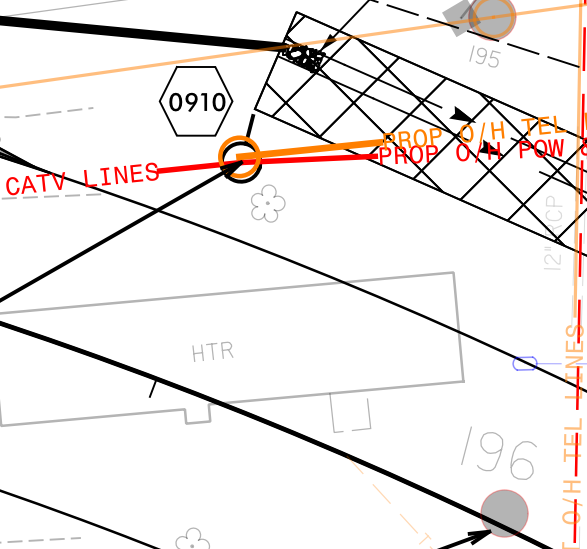
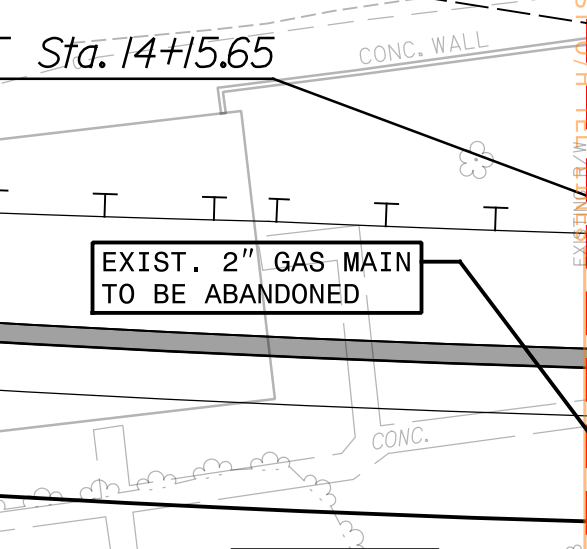
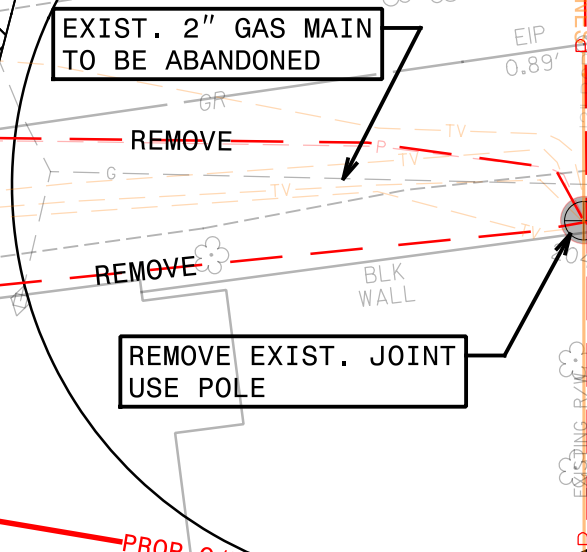
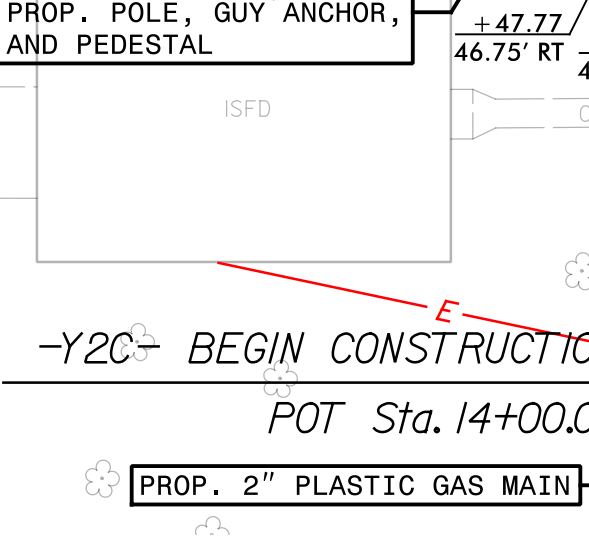
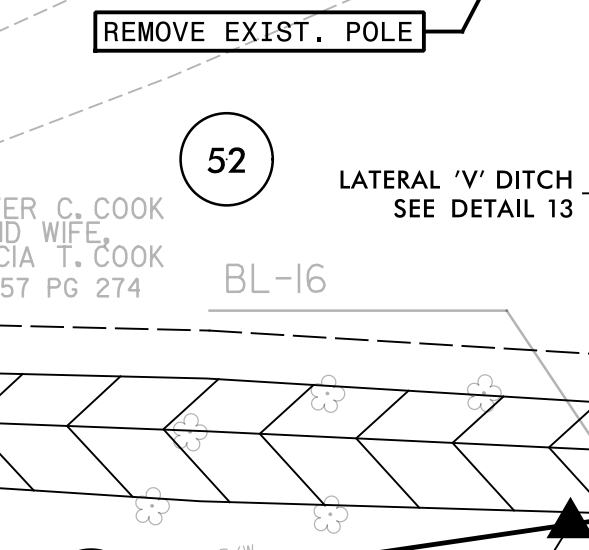
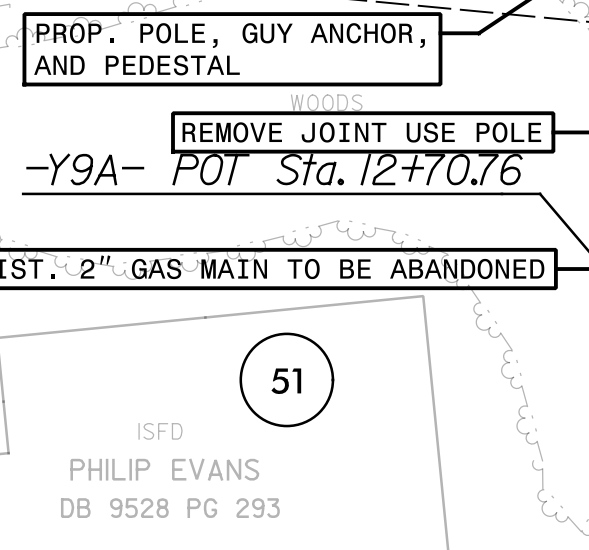
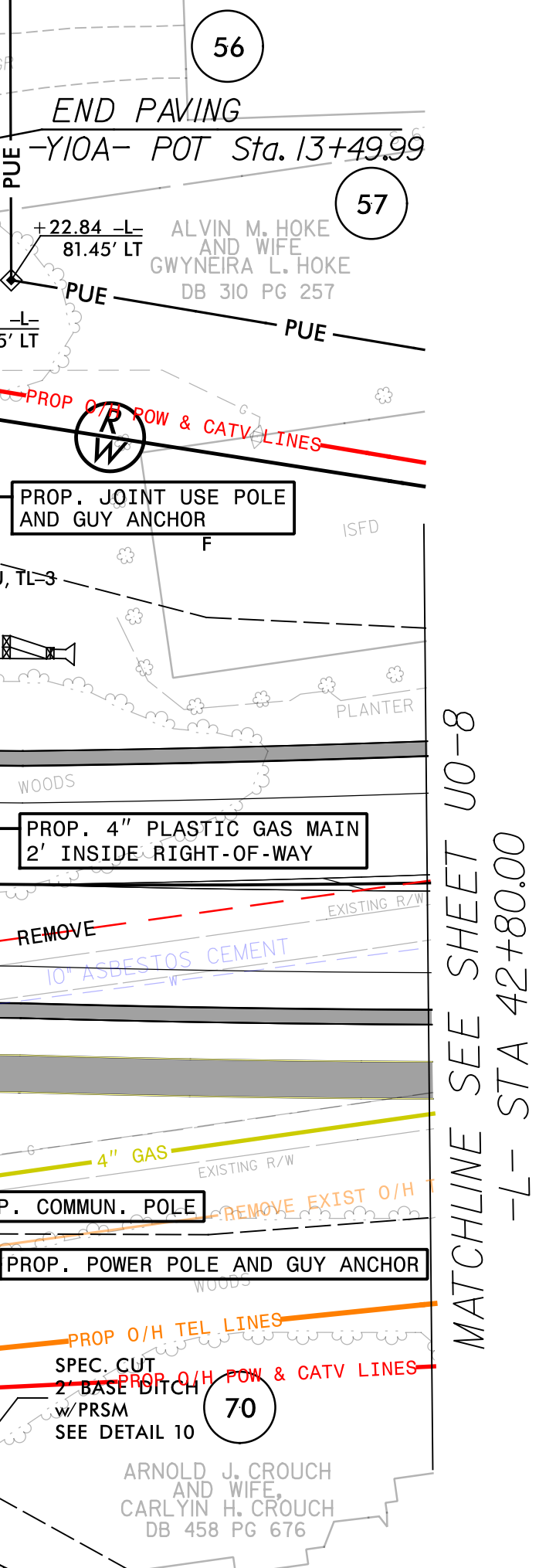
SEE SHEET 2B-3
FOR RETAINING WALL DETAILS

-L- SEE PROFILE SHEET 25 & 26
-Y2C- SEE PROFILE SHEET 34
-Y9A- SEE PROFILE SHEET 40
-Y10A- SEE PROFILE SHEET 41


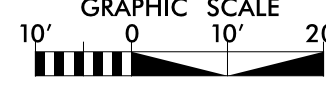
$PI\ Sta\ 37+53.74$ $PI\ Sta\ 42+73.11$
 $\Delta = 6^{\circ}16'23.3''(RT)$ $\Delta = 13^{\circ}57'57.4''(LT)$
 $D = 2^{\circ}29'28.0''$ $D = 2^{\circ}29'28.0''$
 $L = 251.82'$ $L = 560.63'$
 $T = 126.04'$ $T = 281.71'$
 $R = 2,300.00'$ $R = 2,300.00'$
 $SE = 03$ $SE = 03$
 $RO = 84'$ $RO = 84'$

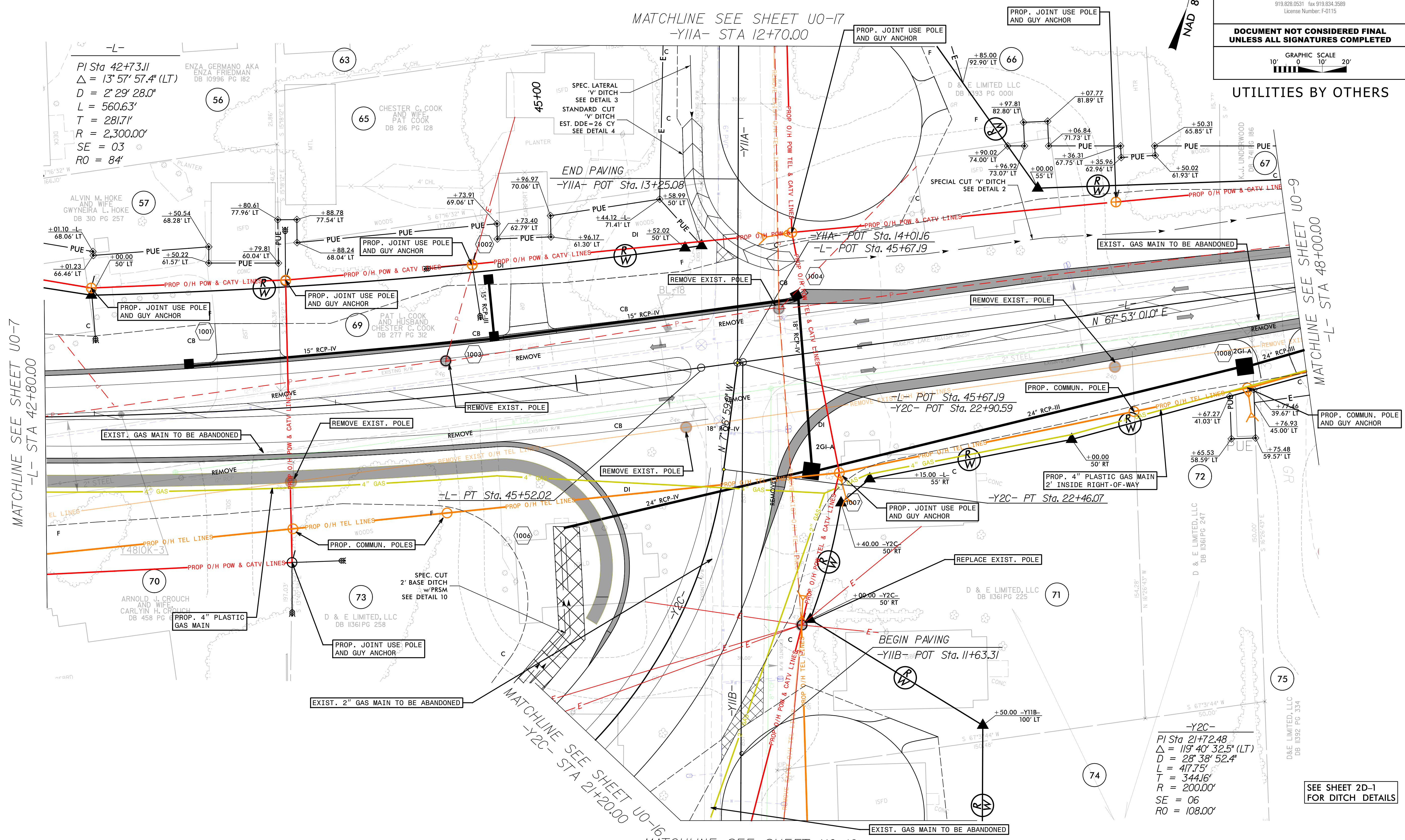
$PI\ Sta\ 16+61.08$
 $\Delta = 45^{\circ}03'49.7''(RT)$
 $D = 12^{\circ}43'56.6''$
 $L = 353.93'$
 $T = 186.69'$
 $R = 450.00'$
 $SE = 06$
 $RO = 108.00'$

UTILITIES BY OTHERS



*DESIGN EXCEPTION:
LANE TAPER RATE

PROJECT REFERENCE	SHEET NO.
Y-4810K	UO-8
Prepared in the Office of:	
 THE WOOTEN COMPANY 120 North Boylan Avenue Raleigh, NC 27603-1423 919.828.0531 fax 919.834.3589 License Number: F-0115	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
GRAPHIC SCALE 1" = 20' 	



MATCHLINE SEE SHEET UO-7
-L- STA 42+80.00

MATCHLINE SEE SHEET UO-9
-L- STA 48+00.00

MATCHLINE SEE SHEET UO-16
-Y2C- STA 21+20.00

MATCHLINE SEE SHEET UO-16
-Y11B- STA 11+90.00

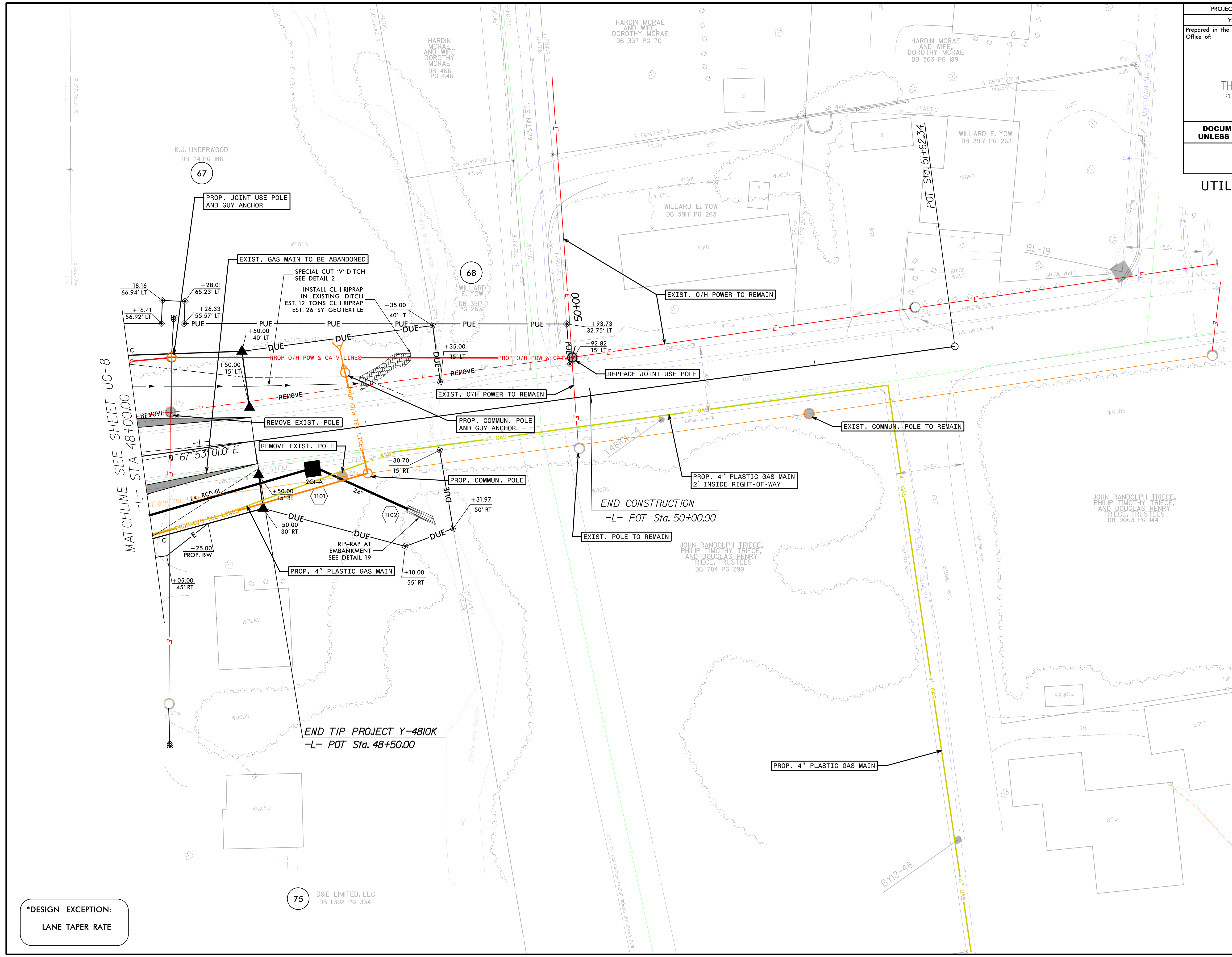
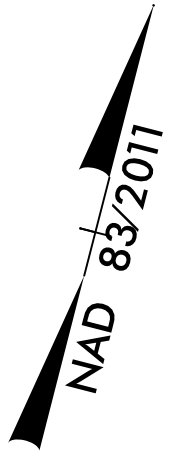
-L-
PI Sta 42+73.11
Δ = 13° 57' 57.4" (LT)
D = 2' 29' 28.0"
L = 560.63'
T = 281.71'
R = 2,300.00'
SE = 03
RO = 84'

-Y2C-
PI Sta 21+72.48
Δ = 119° 40' 32.5" (LT)
D = 28' 38' 52.4"
L = 417.75'
T = 344.16'
R = 200.00'
SE = 06
RO = 108.00'

SEE SHEET 2D-1
FOR DITCH DETAILS

-L- SEE PROFILE SHEET 26 & 27
-Y2C- SEE PROFILE SHEET 35
-Y11A- SEE PROFILE SHEET 42
-Y11B- SEE PROFILE SHEET 43

UTILITIES BY OTHERS

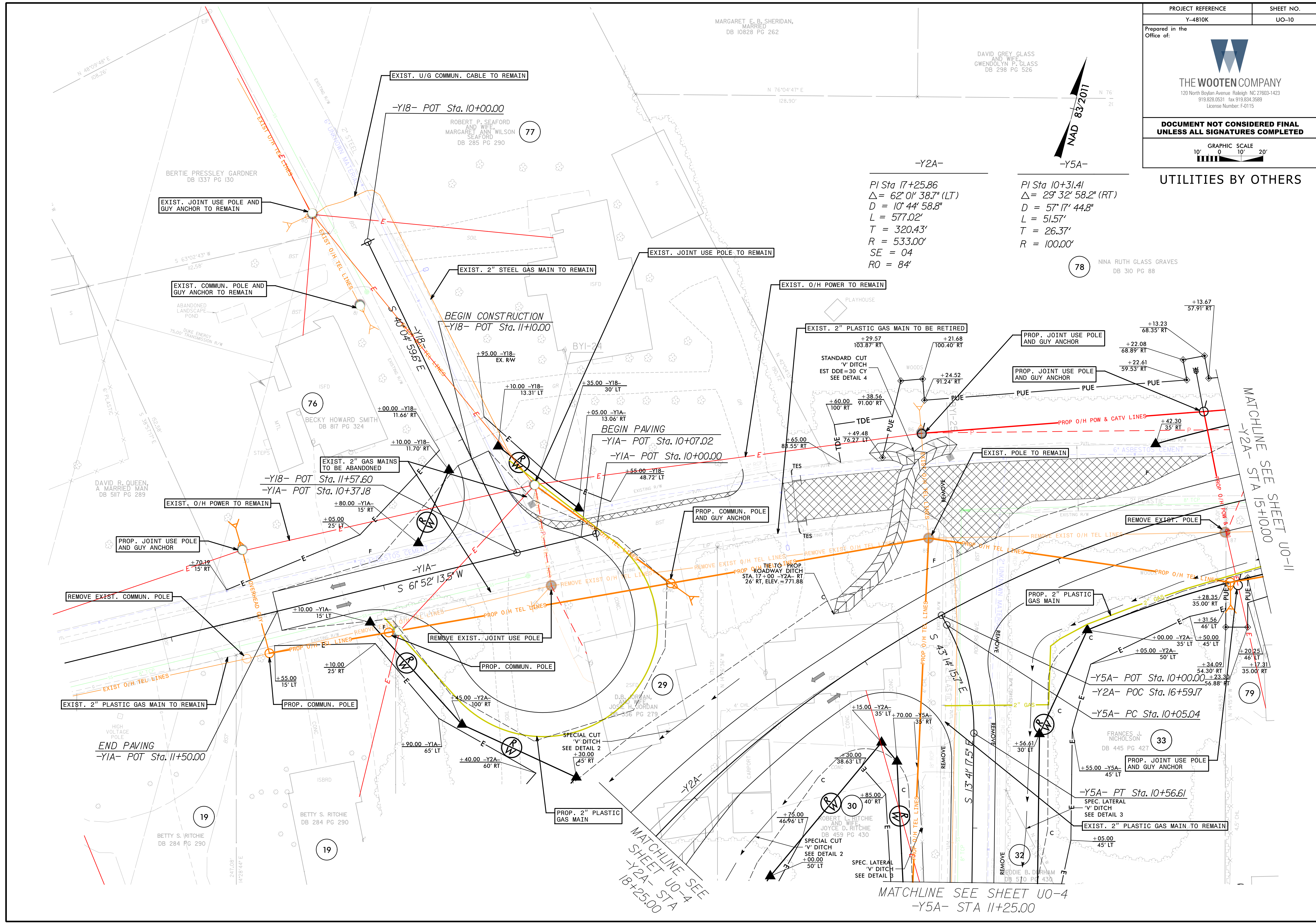


***DESIGN EXCEPTION:**
LANE TAPER RATE

75 D&E LIMITED, LLC
DB 11392 PG 334

SEE SHEET 2D-1
FOR DITCH DETAILS
-L- SEE PROFILE SHEET 27

UTILITIES BY OTHERS



-Y2A-

PI Sta 17+25.86
 $\Delta = 62^\circ 01' 38.7''$ (LT)
 $D = 10^\circ 44' 58.8''$
 $L = 577.02'$
 $T = 320.43'$
 $R = 533.00'$
 $SE = 04$
 $RO = 84'$

-Y5A-

PI Sta 10+31.41
 $\Delta = 29^\circ 32' 58.2''$ (RT)
 $D = 57^\circ 17' 44.8''$
 $L = 51.57'$
 $T = 26.37'$
 $R = 100.00'$

78 NINA RUTH GLASS GRAVES
 DB 310 PG 88

77 ROBERT P. SEAFORD AND WIFE MARGARET ANN WILSON SEAFORD DB 285 PG 290

76 BECKY HOWARD SMITH DB 817 PG 324

DAVID R. QUEEN, A MARRIED MAN DB 517 PG 289

19 BETTY S. RITCHIE DB 284 PG 290

19 BETTY S. RITCHIE DB 284 PG 290

29 D.B. JORDAN, JOYCE H. JORDAN DB 356 PG 279

30 ROBERT L. RITCHIE AND WIFE JOYCE D. RITCHIE DB 459 PG 430

33 FRANCES J. NICHOLSON DB 445 PG 427

32 REDDIE B. DARRHAM DB 570 PG 430

MATCHLINE SEE SHEET UO-11
 -Y2A- STA 15+10.00

MATCHLINE SEE SHEET UO-4
 -Y2A- STA 18+25.00

MATCHLINE SEE SHEET UO-4
 -Y5A- STA 11+25.00

END PAVING
 -Y1A- POT Sta. 11+50.00

BEGIN CONSTRUCTION
 -Y18- POT Sta. 11+10.00

BEGIN PAVING
 -Y1A- POT Sta. 10+07.02
 -Y1A- POT Sta. 10+00.00

EXIST. JOINT USE POLE AND GUY ANCHOR TO REMAIN

EXIST. COMMUN. POLE AND GUY ANCHOR TO REMAIN

EXIST. 2" STEEL GAS MAIN TO REMAIN

EXIST. JOINT USE POLE TO REMAIN

EXIST. O/H POWER TO REMAIN

EXIST. 2" PLASTIC GAS MAIN TO BE RETIRED

PROP. JOINT USE POLE AND GUY ANCHOR

PROP. JOINT USE POLE AND GUY ANCHOR

EXIST. O/H POWER TO REMAIN

PROP. JOINT USE POLE AND GUY ANCHOR

REMOVE EXIST. COMMUN. POLE

REMOVE EXIST. JOINT USE POLE

PROP. COMMUN. POLE

EXIST. 2" PLASTIC GAS MAIN TO REMAIN

PROP. COMMUN. POLE

PROP. 2" PLASTIC GAS MAIN

PROP. 2" PLASTIC GAS MAIN

PROP. JOINT USE POLE AND GUY ANCHOR

-Y5A- PT Sta. 10+56.61

SPEC. LATERAL 'V' DITCH SEE DETAIL 3

EXIST. 2" PLASTIC GAS MAIN TO REMAIN

+05.00 45' LT

+23.30 35.00' RT

+17.31 35.00' RT

+20.25 46' LT

+34.09 54.30' RT

+50.00 45' LT

+31.56 46' LT

+28.35 35.00' RT

+13.23 68.35' RT

+22.08 68.89' RT

+22.61 59.53' RT

+42.30 35' RT

+21.68 100.40' RT

+24.52 91.24' RT

+38.56 91.00' RT

+60.00 100' RT

+49.48 76.27' LT


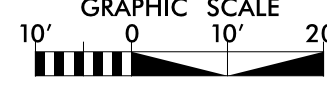
+65.00 88.55' RT

+29.57 103.87' RT

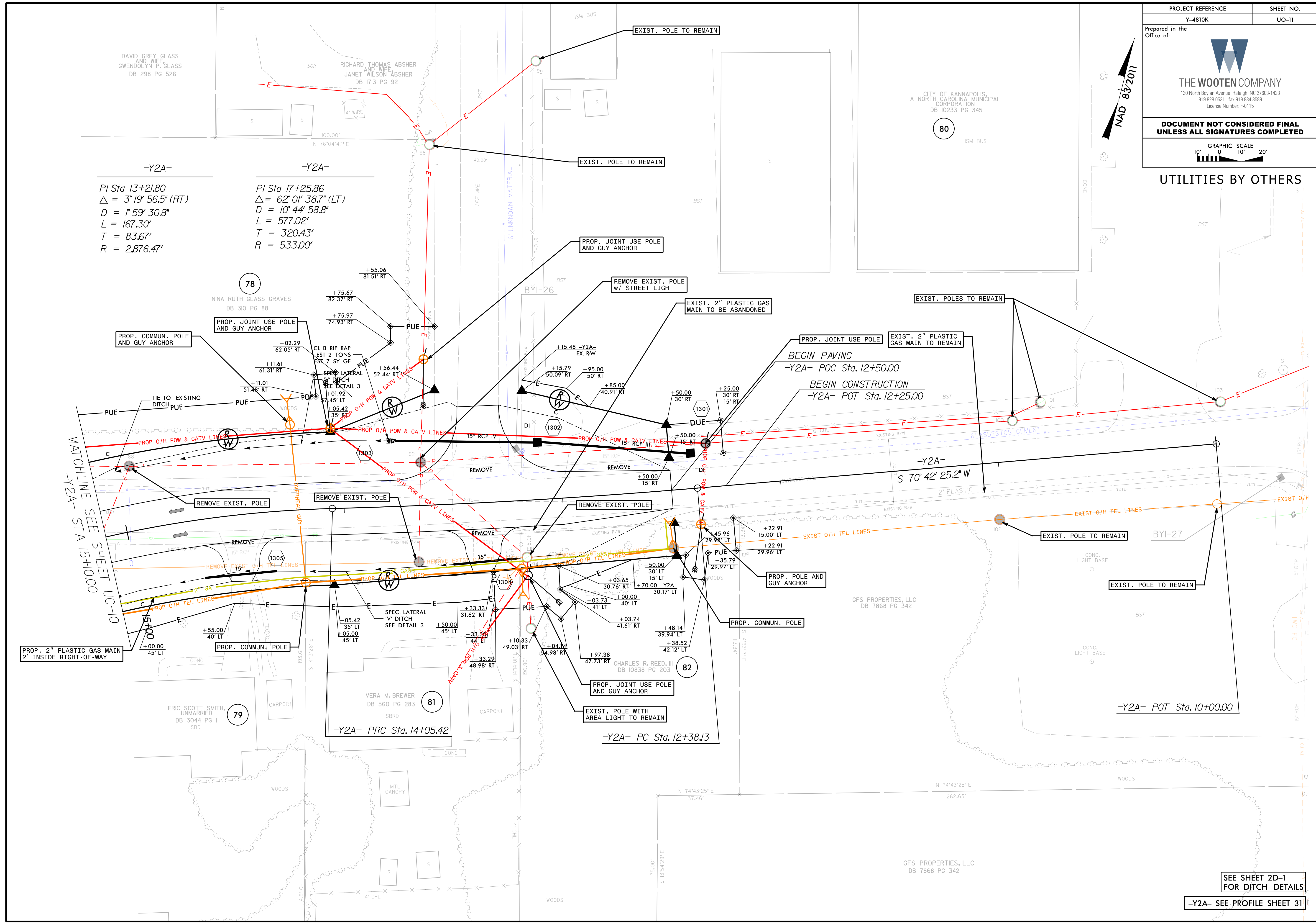
+13.67 57.91' RT

+13.67 57.91' RT

+13.67 57.91' RT

PROJECT REFERENCE	SHEET NO.
Y-4810K	UO-11
Prepared in the Office of:	
 THE WOOTEN COMPANY 120 North Boylan Avenue Raleigh, NC 27603-1423 919.828.0531 fax 919.834.3589 License Number: F-0115	
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GRAPHIC SCALE 1" = 20' 	

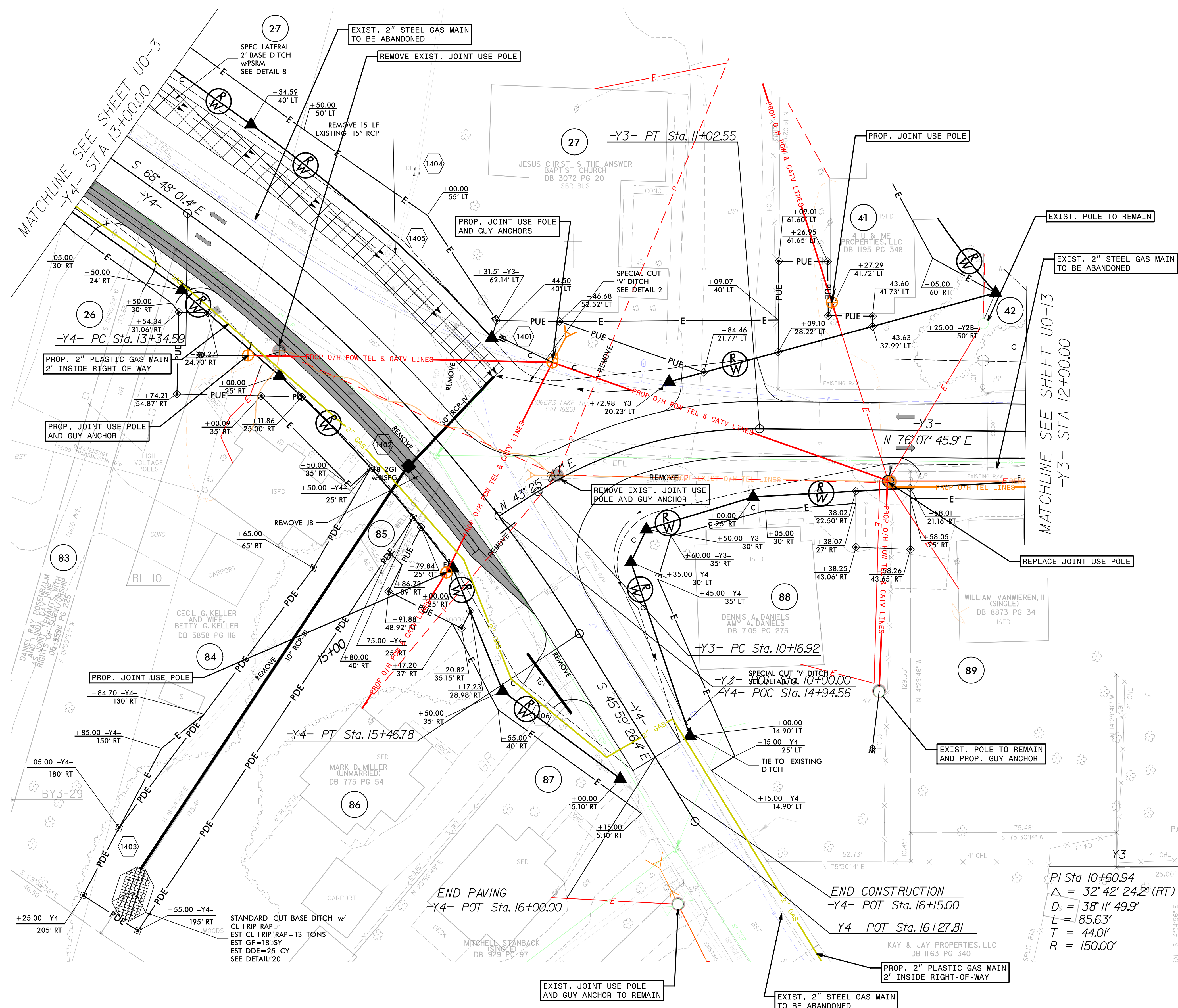
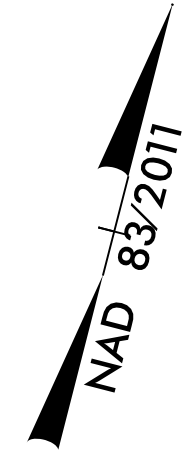
UTILITIES BY OTHERS



MATCHLINE SEE SHEET UO-10
-Y2A- STA 15+10.00

SEE SHEET 2D-1 FOR DITCH DETAILS
-Y2A- SEE PROFILE SHEET 31

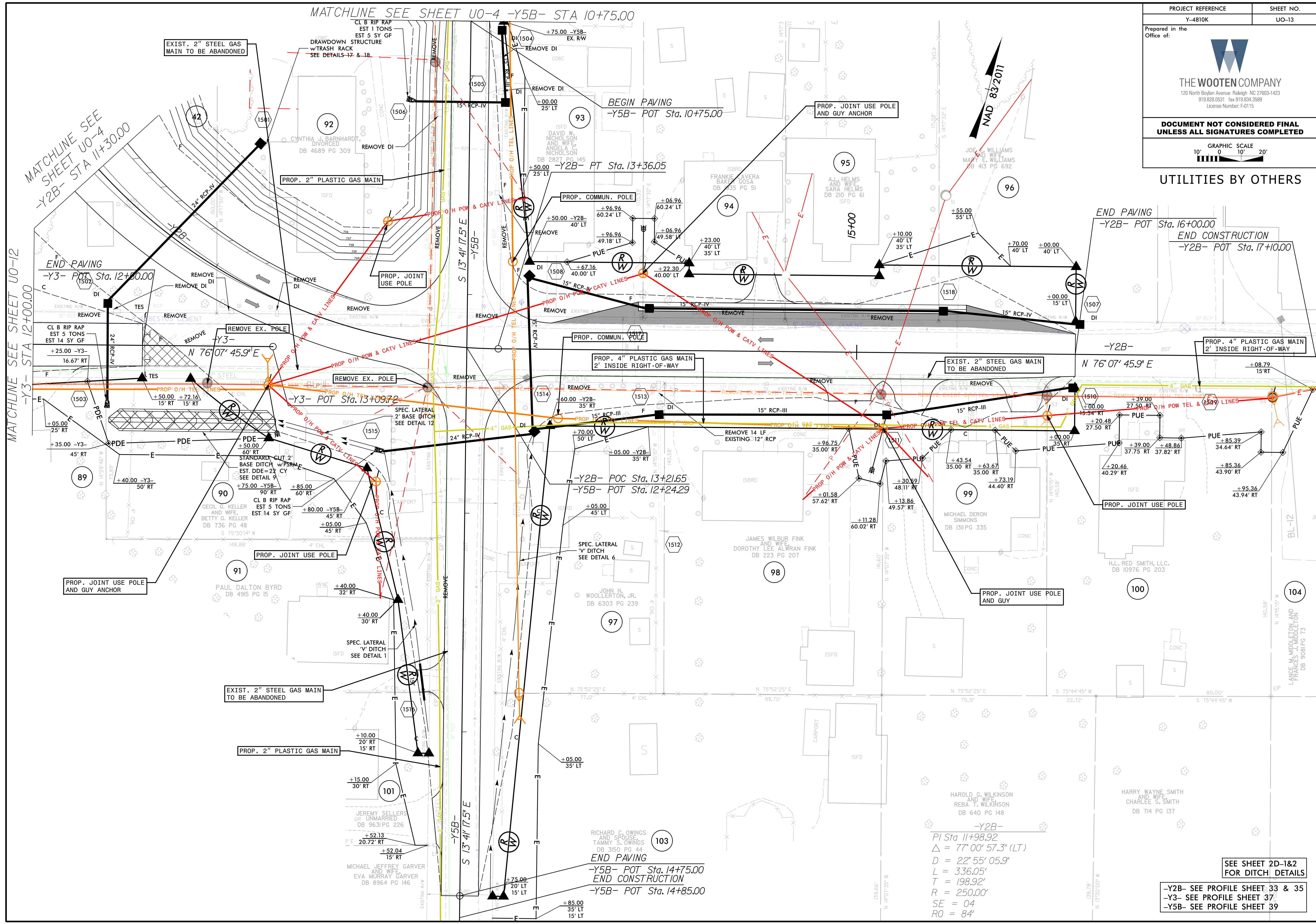
UTILITIES BY OTHERS



SEE SHEET 2D-1 FOR DITCH DETAILS

-Y4- SEE PROFILE SHEET 36 & 37
-Y3- SEE PROFILE SHEET 37

UTILITIES BY OTHERS



MATCHLINE SEE SHEET UO-12 -Y3- STA 12+00.00

MATCHLINE SEE SHEET UO-4 -Y2B- STA 11+30.00

MATCHLINE SEE SHEET UO-4 -Y5B- STA 10+75.00

END PAVING
-Y2B- POT Sta. 16+00.00
END CONSTRUCTION
-Y2B- POT Sta. 17+10.00

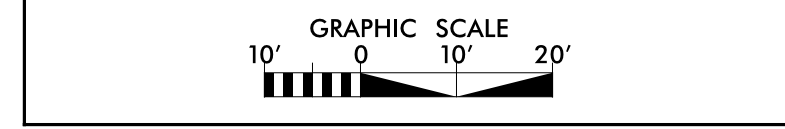
-Y2B- POC Sta. 13+21.65
-Y5B- POT Sta. 12+24.29

END PAVING
-Y5B- POT Sta. 14+75.00
END CONSTRUCTION
-Y5B- POT Sta. 14+85.00

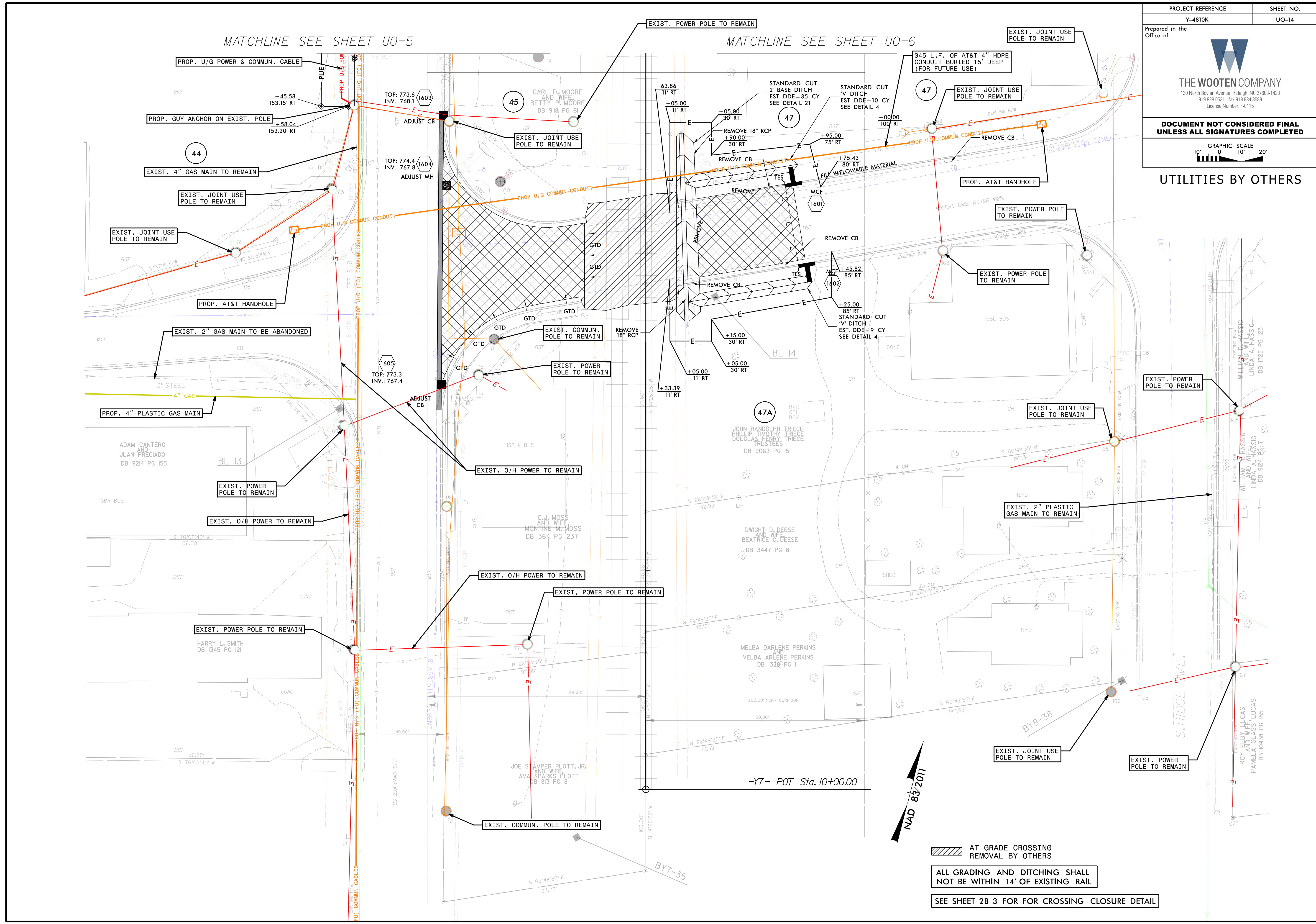
-Y2B-
PI Sta 11+98.92
 $\Delta = 77^{\circ} 00' 57.3''$ (LT)
 $D = 22^{\circ} 55' 05.9''$
 $L = 336.05'$
 $T = 198.92'$
 $R = 250.00'$
 $SE = 04$
 $RO = 84'$

SEE SHEET 2D-1&2 FOR DITCH DETAILS
-Y2B- SEE PROFILE SHEET 33 & 35
-Y3- SEE PROFILE SHEET 37
-Y5B- SEE PROFILE SHEET 39

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**



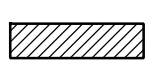
UTILITIES BY OTHERS

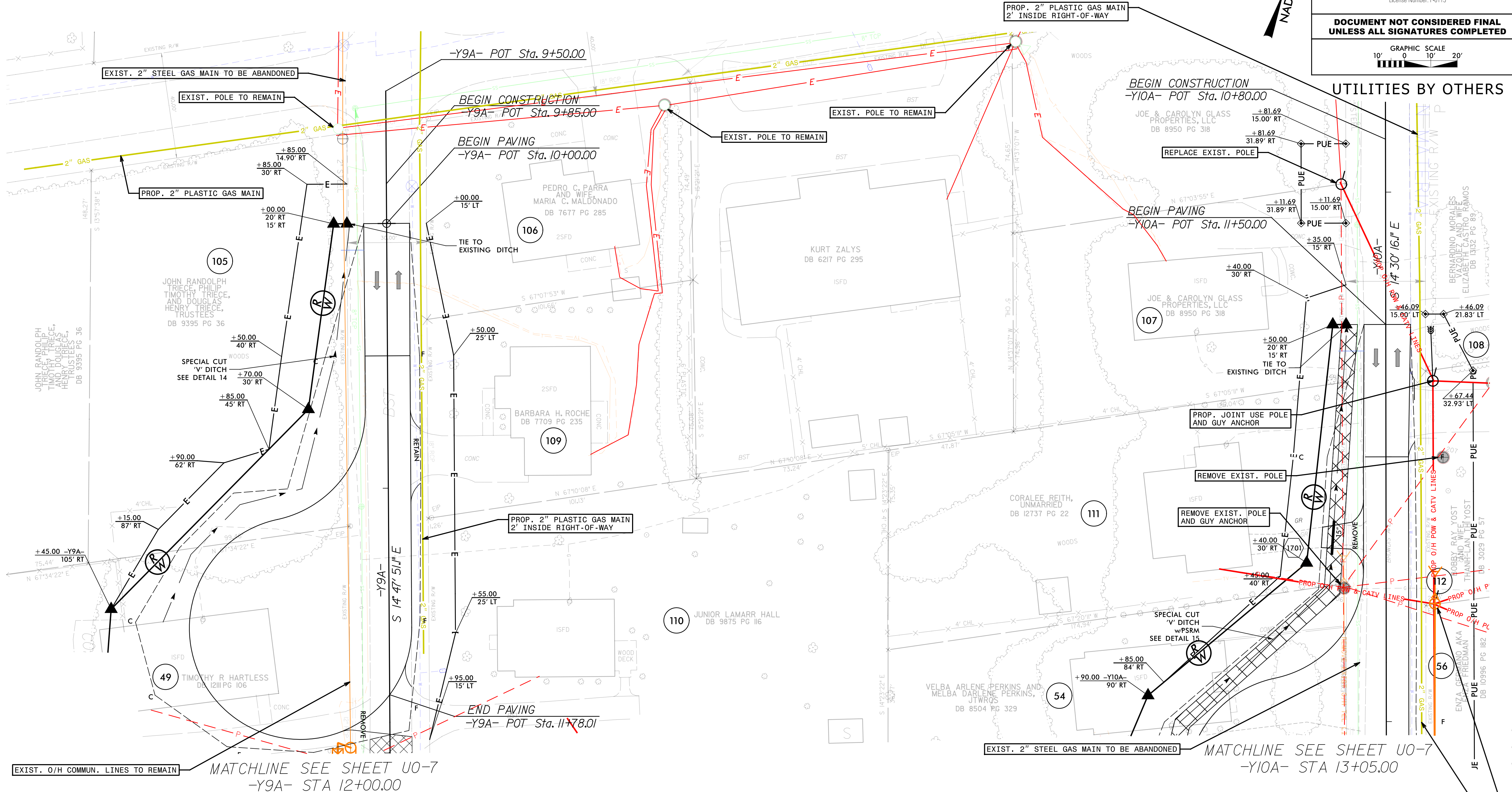


MATCHLINE SEE SHEET UO-5

MATCHLINE SEE SHEET UO-6

NAD 83/2011

 AT GRADE CROSSING
 REMOVAL BY OTHERS
 ALL GRADING AND DITCHING SHALL
 NOT BE WITHIN 14' OF EXISTING RAIL
 SEE SHEET 2B-3 FOR CROSSING CLOSURE DETAIL



UTILITIES BY OTHERS

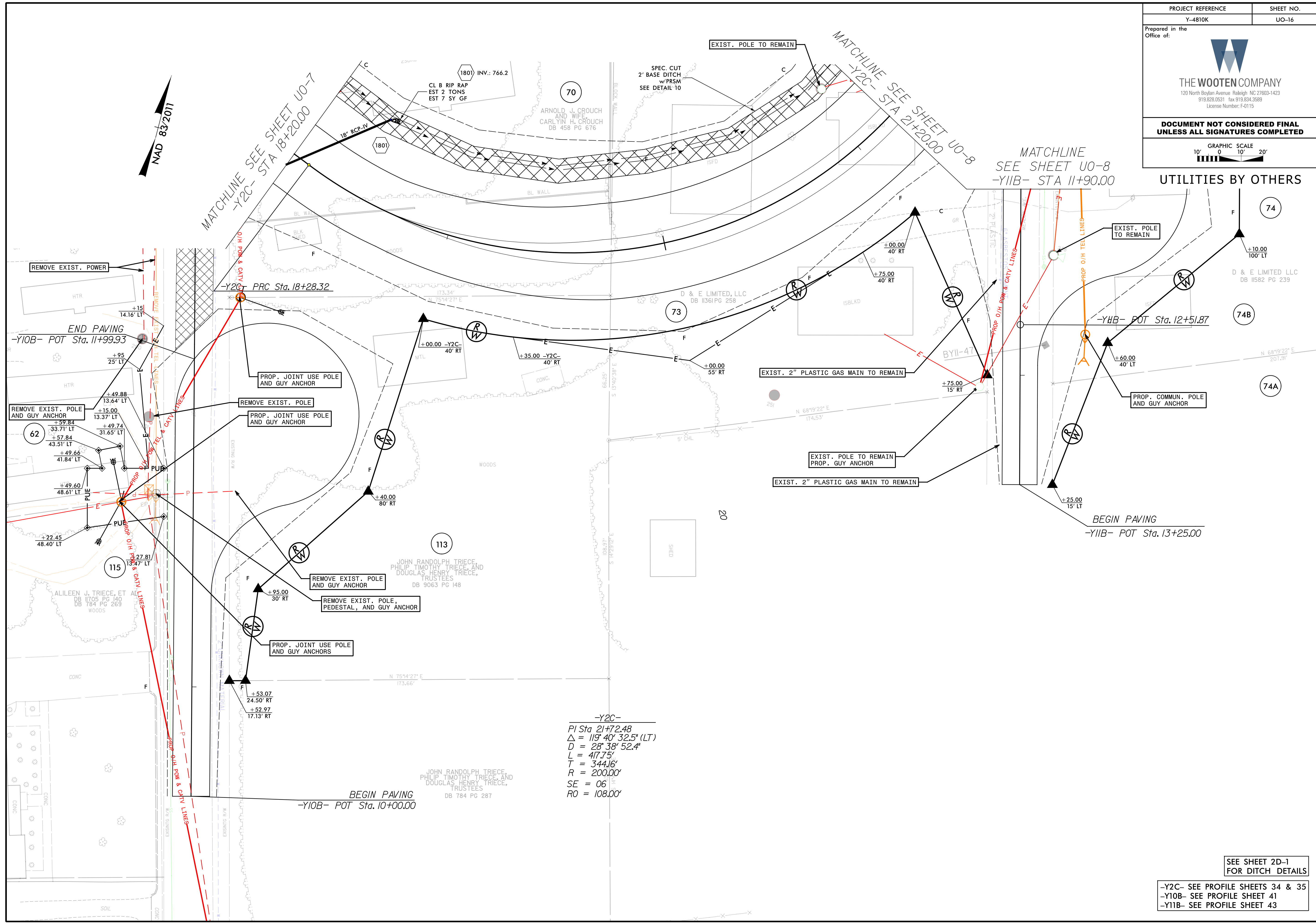
NAD 83/2011

EXIST. O/H COMMUN. LINES TO REMAIN
 MATCHLINE SEE SHEET UO-7
 -Y9A- STA 12+00.00

EXIST. 2" STEEL GAS MAIN TO BE ABANDONED
 MATCHLINE SEE SHEET UO-7
 -Y10A- STA 13+05.00

SEE SHEET 2D-1
 FOR DITCH DETAILS

-Y9A- SEE PROFILE SHEET 40
 -Y10A- SEE PROFILE SHEET 41



-Y2C-
 PI Sta 21+72.48
 $\Delta = 119^{\circ} 40' 32.5''$ (LT)
 $D = 28^{\circ} 38' 52.4''$
 $L = 417.75'$
 $T = 344.16'$
 $R = 200.00'$
 $SE = 06'$
 $RO = 108.00'$

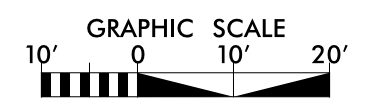
SEE SHEET 2D-1
FOR DITCH DETAILS

-Y2C- SEE PROFILE SHEETS 34 & 35
 -Y10B- SEE PROFILE SHEET 41
 -Y11B- SEE PROFILE SHEET 43

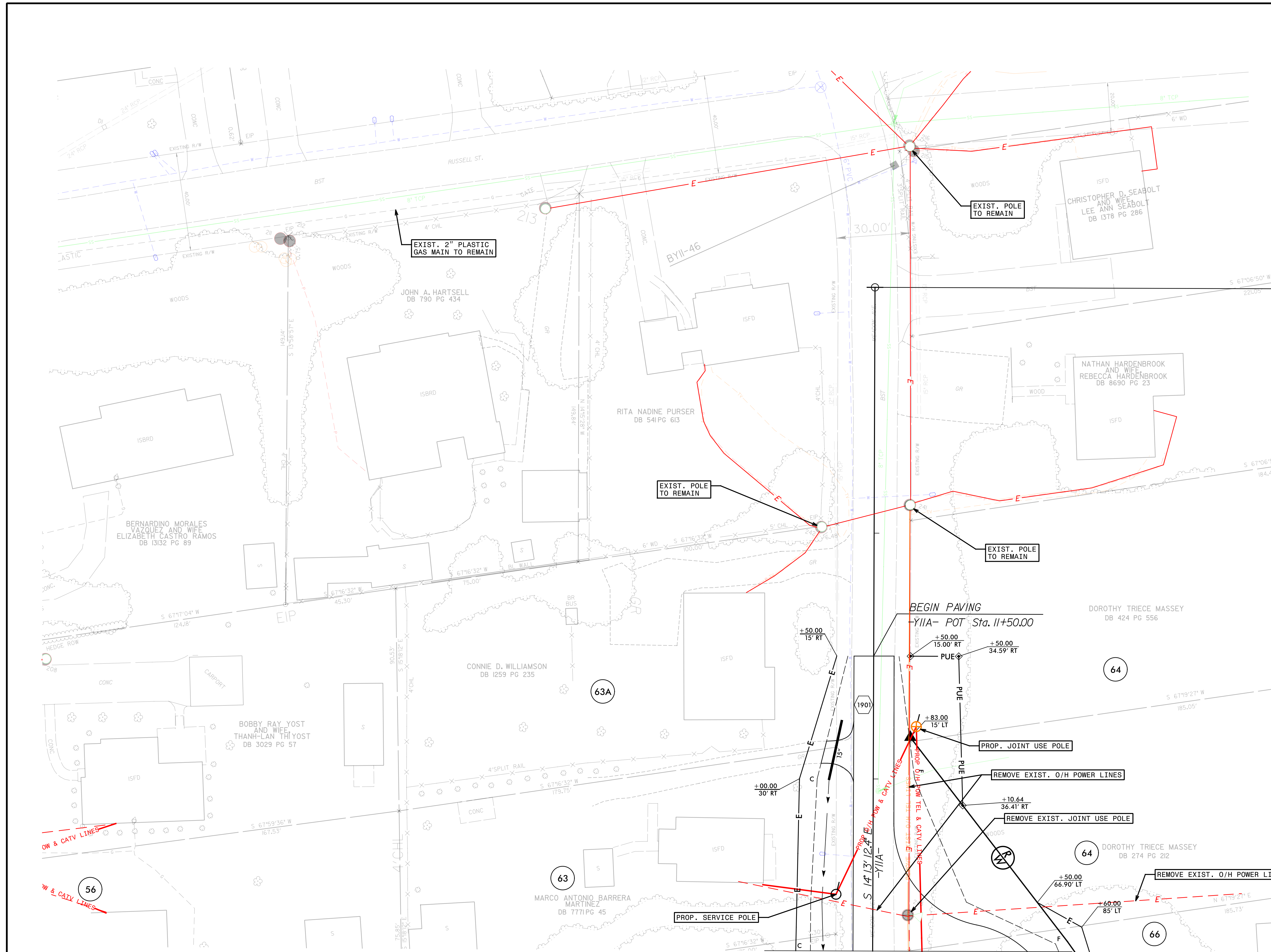
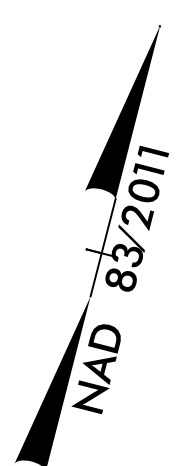
Prepared in the Office of:



**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



UTILITIES BY OTHERS



MATCHLINE SEE SHEET UO-8
-YIIA- STA 12+70.00

OWN & CATV LINES
OWN & CATV LINES

56

63

63A

64

64

66

EXIST. 2" PLASTIC GAS MAIN TO REMAIN

EXIST. POLE TO REMAIN

EXIST. POLE TO REMAIN

EXIST. POLE TO REMAIN

BEGIN PAVING
-YIIA- POT Sta. 11+50.00

PROP. JOINT USE POLE

REMOVE EXIST. O/H POWER LINES

REMOVE EXIST. JOINT USE POLE

REMOVE EXIST. O/H POWER LINES

PROP. SERVICE POLE

