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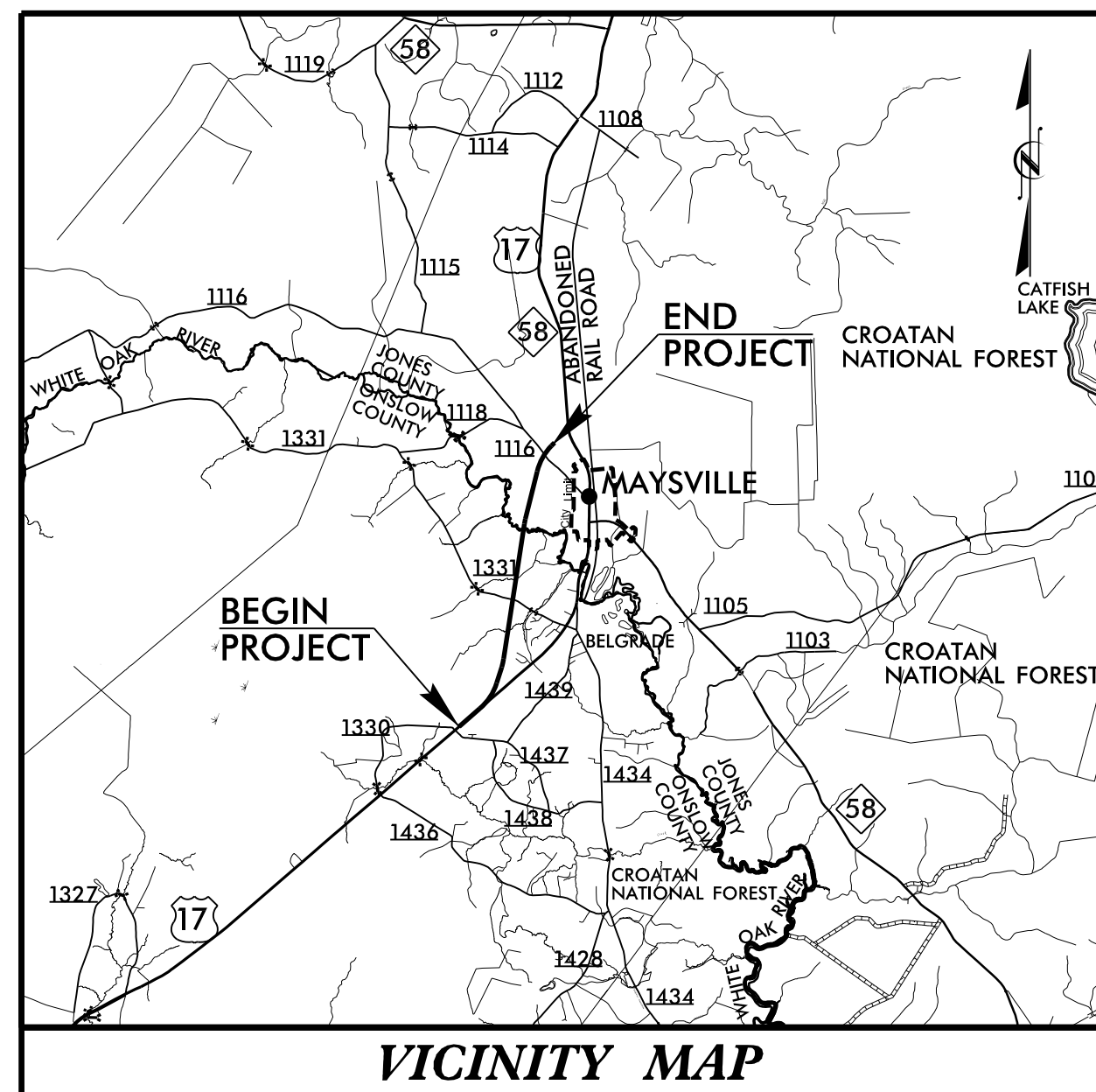
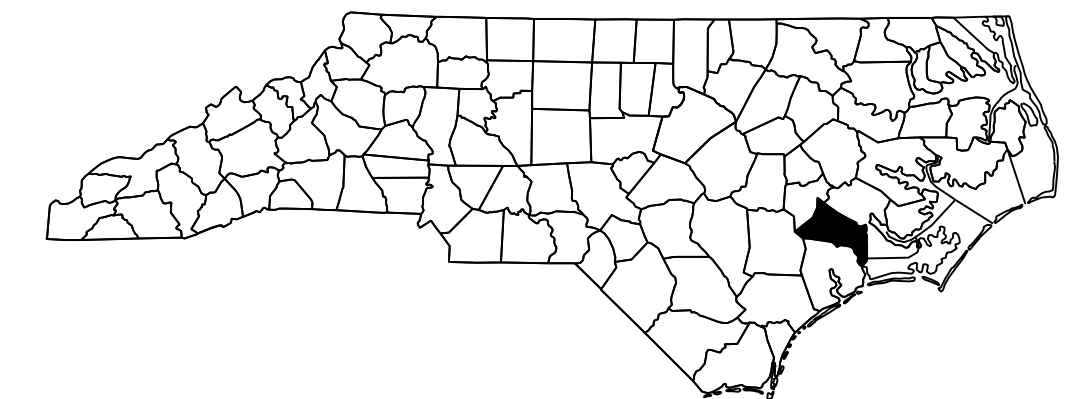
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**TIP PROJECT: R-2514B**

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

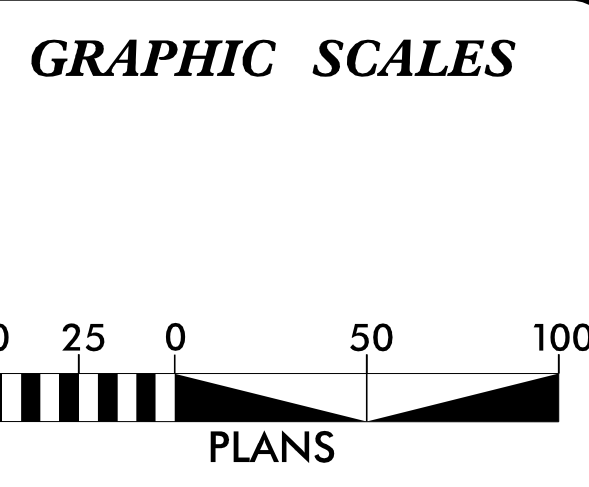
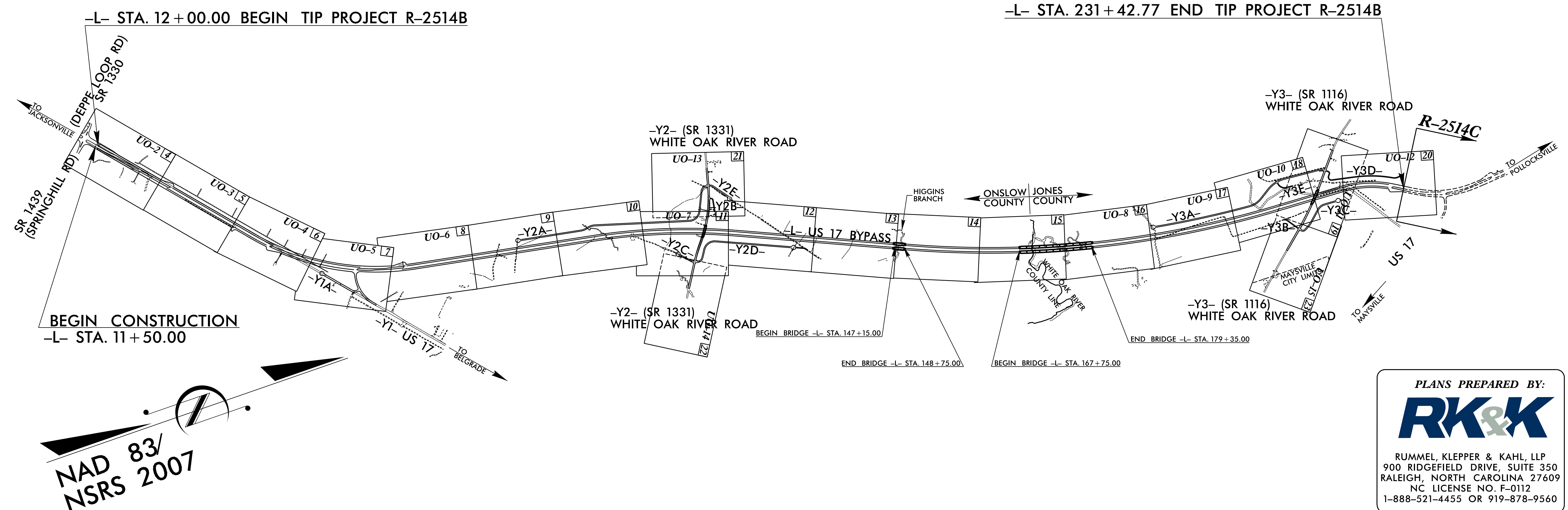
T.I.P. NO.	SHEET NO.
R-2514B	UO-1



**UTILITIES BY OTHERS PLANS  
ON SLOW & JONES  
COUNTY**

**LOCATION: US 17 FROM SOUTH OF BELGRADE AT  
SR 1330/SR 1439 TO NORTH OF MAYSVILLE**

**TYPE OF WORK: AERIAL POWER, UNDERGROUND FIBER OPTIC,  
TELEPHONE, CATV**



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
UO-1	TITLE SHEET
UO-2 THRU UO-15	UTILITY BY OTHERS PLAN SHEETS

- UTILITY OWNERS ON PROJECT
- DUKE ENERGY PROGRESS - POWER
  - JONES - ONSLOW EMC - POWER
  - CENTURYLINK - TELEPHONE AND FIBER OPTIC
  - TIME WARNER - CATV

PREPARED IN THE OFFICE OF:  
DIVISION OF HIGHWAYS  
UTILITIES UNIT  
UTILITIES ENGINEERING

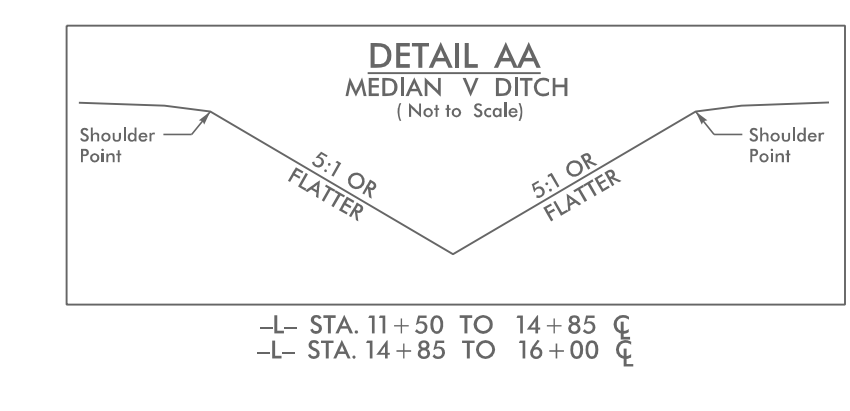
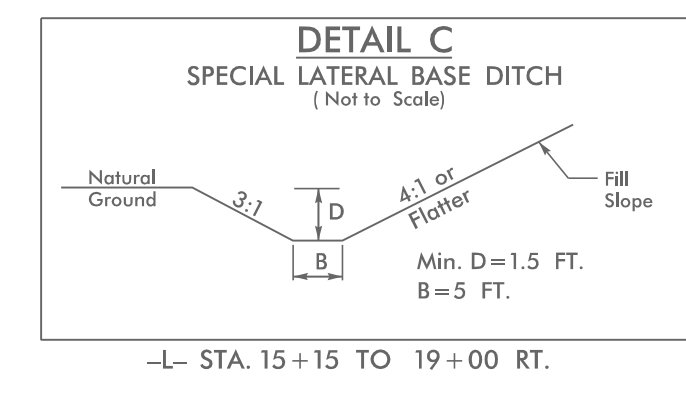
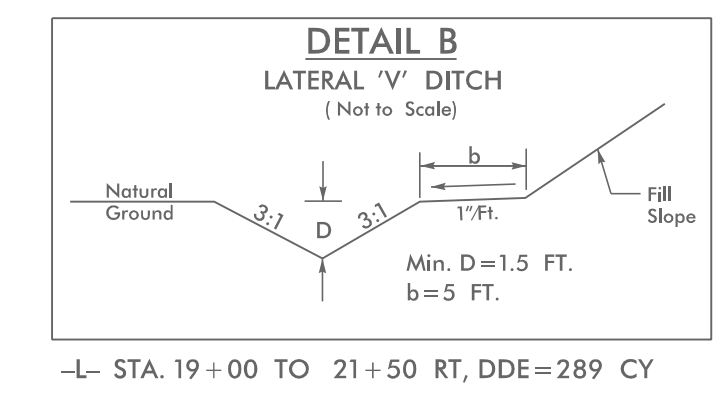
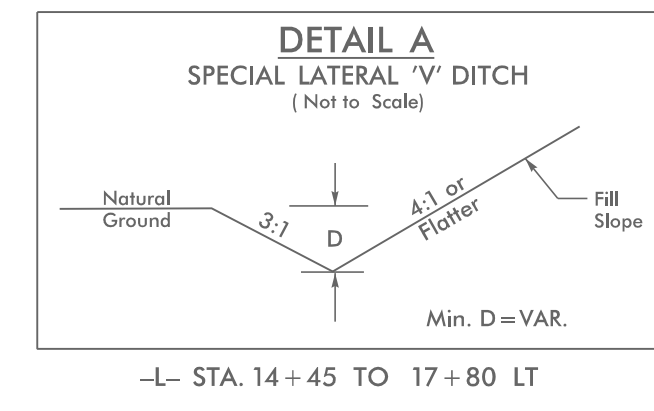
1591 MAIL SERVICES CENTER  
RALEIGH, NC 27699-1591  
PHONE (919) 707-6690  
FAX (919) 250-4151

Roger Worthington, P.E. UTILITIES SECTION ENGINEER  
Roger Worthington, P.E. UTILITIES SQUAD LEADER PROJECT ENGINEER  
Kifah Kamil UTILITIES PROJECT DESIGNER

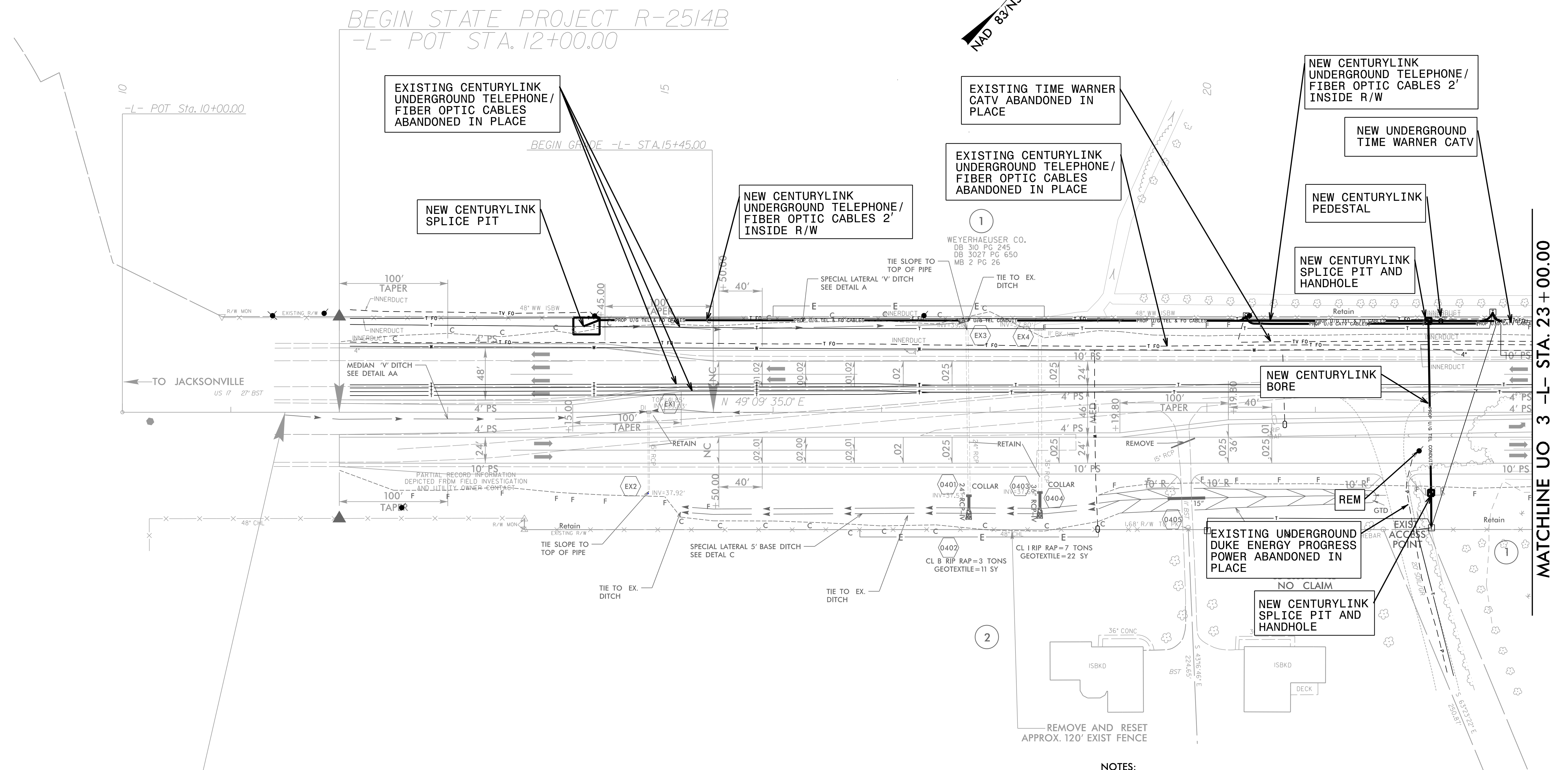


**UTILITIES BY OTHERS**


**NOTE:**  
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NAD 83/NRS 2007



- NOTES:**
- DUKE ENERGY PROGRESS WILL STAY ON EXISTING POLE LINE
  - ALL CENTURYLINK UNDERGROUND TELEPHONE AND FIBER OPTIC IS TO BE ABANDONED IN PLACE
  - TIME WARNER CABLE ABANDONED IN PLACE UNDERGROUND FACILITIES AS NOTED

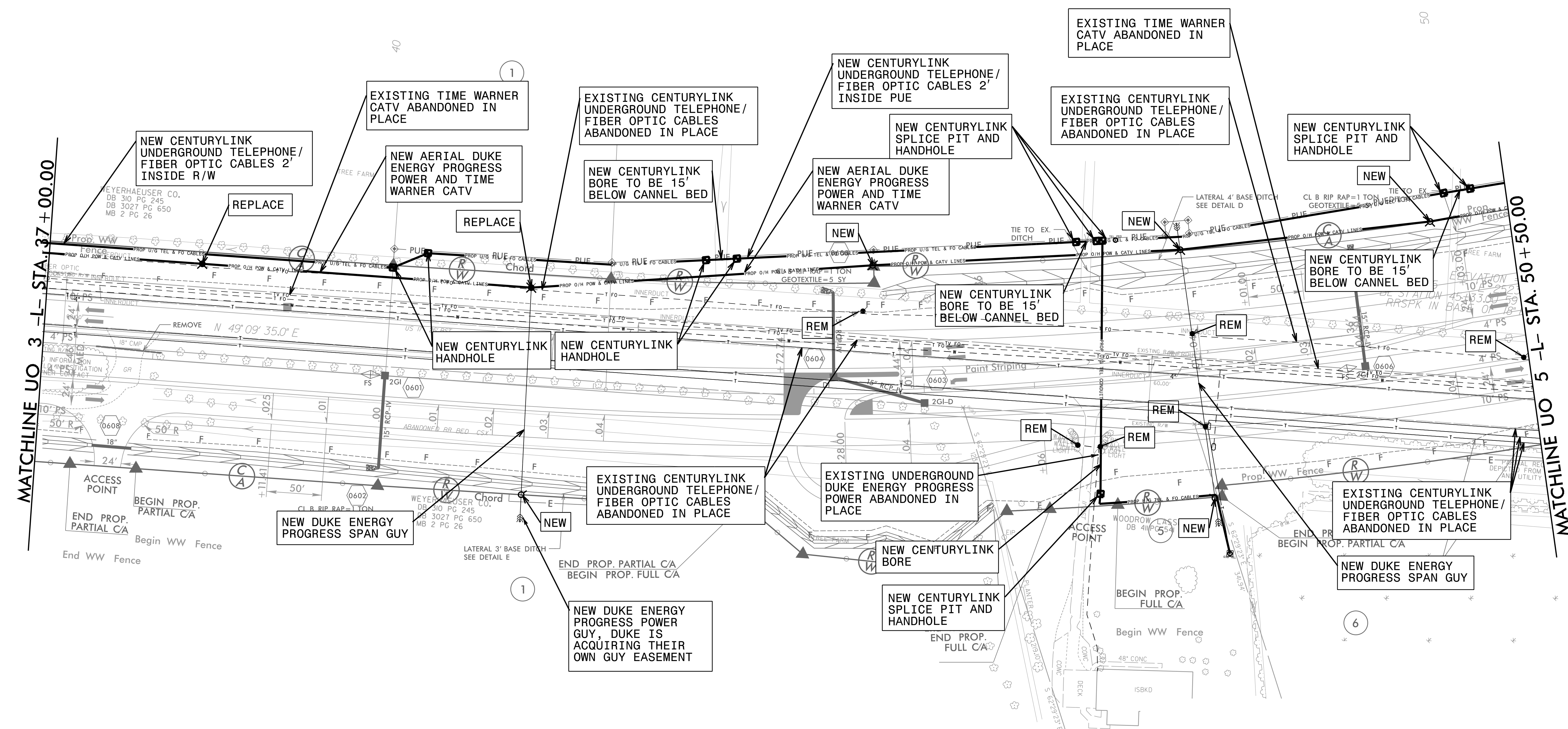
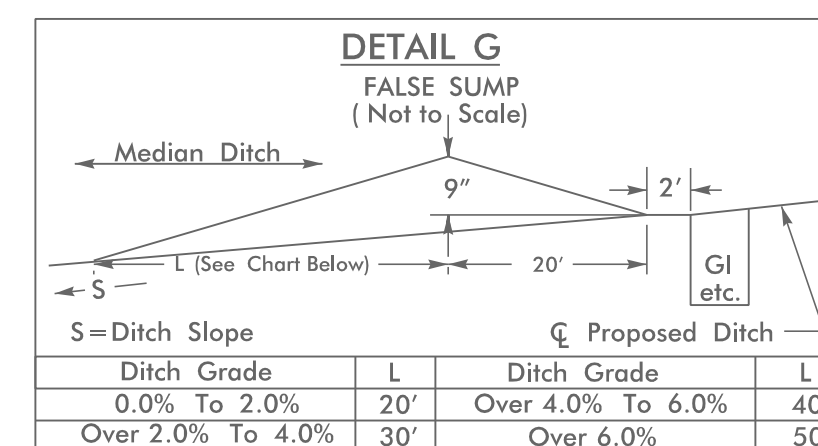
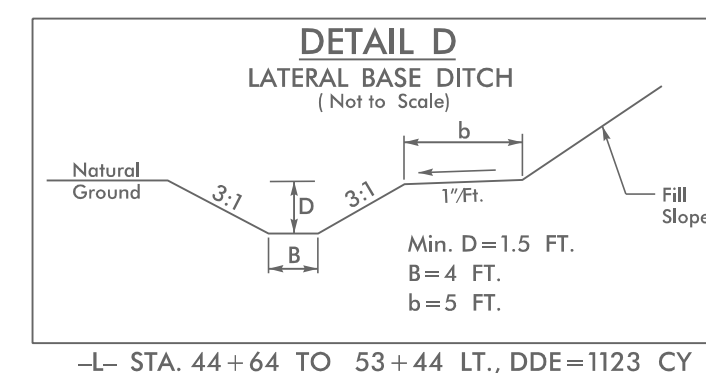
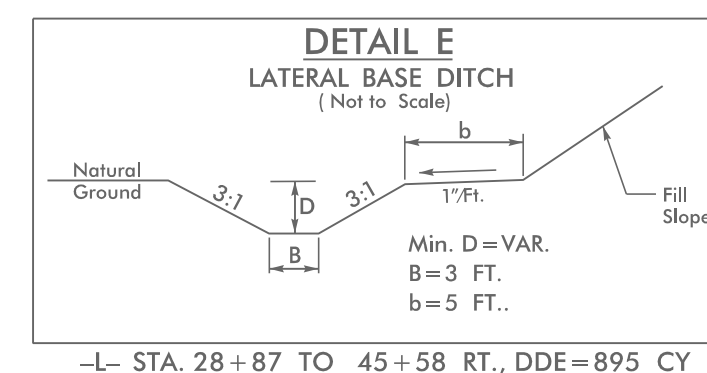
<b>UTILITY OWNERS ON THIS SHEET</b>	<b>PLANS PREPARED BY :</b>
DUKE ENERGY PROGRESS - POWER CENTURYLINK - TELEPHONE AND FIBER OPTIC TIME WARNER - CATV	 RUMMEL, KLEPPER & KAHL, LLP 900 RIDGEFIELD DRIVE SUITE 350 RALEIGH, NORTH CAROLINA 27609-3960 NC LICENSE NO. F-0112 • (919) 878-9560





UTILITIES BY OTHERS

NOTE:  
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.



-L-  
 Pls Sta 41+44.75    PI Sta 55+14.14    Pls Sta 67+96.88  
 $\theta_s = 1' 25' 56.6"$      $\Delta = 36' 04' 44.8" (LT)$      $\theta_s = 1' 25' 56.6"$   
 $L_s = 200.00'$      $D = 1' 25' 56.6"$      $L_s = 200.00'$   
 $LT = 133.34'$      $L = 2,518.80'$      $LT = 133.34'$   
 $ST = 66.67'$      $T = 1,302.73'$      $ST = 66.67'$   
 $R = 4,000.00'$   
 $SE = 0.04$

- NOTES:
1. ALL CENTURYLINK UNDERGROUND TELEPHONE AND FIBER OPTIC IS TO BE ABANDONED IN PLACE
  2. TIME WARNER CABLE ABANDONED IN PLACE UNDERGROUND FACILITIES AS NOTED

**UTILITY OWNERS ON THIS SHEET**

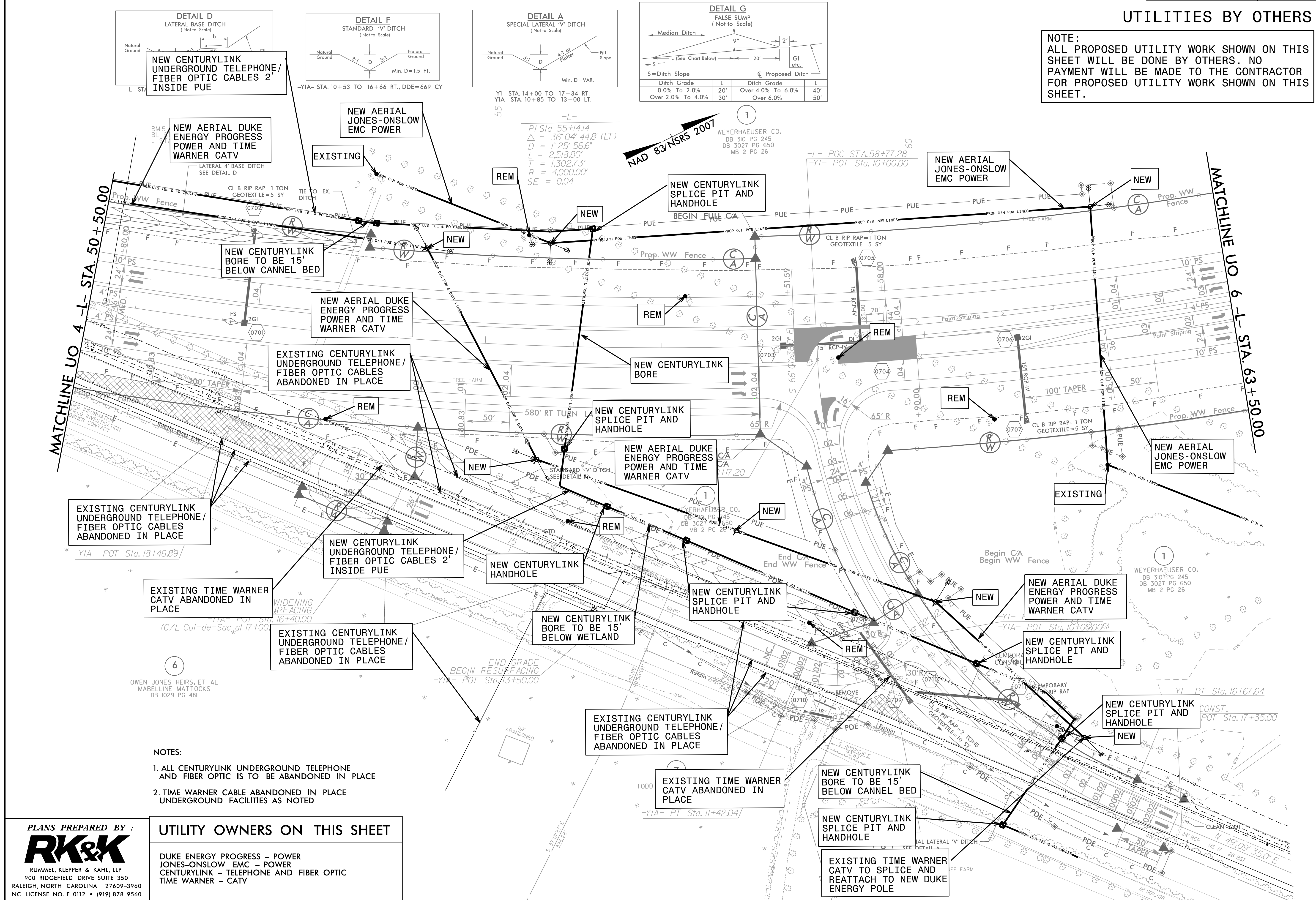
DUKE ENERGY PROGRESS - POWER  
 CENTURYLINK - TELEPHONE AND FIBER OPTIC  
 TIME WARNER - CATV

**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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- NOTES:
- ALL CENTURYLINK UNDERGROUND TELEPHONE AND FIBER OPTIC IS TO BE ABANDONED IN PLACE
  - TIME WARNER CABLE ABANDONED IN PLACE UNDERGROUND FACILITIES AS NOTED

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

UTILITY OWNERS ON THIS SHEET

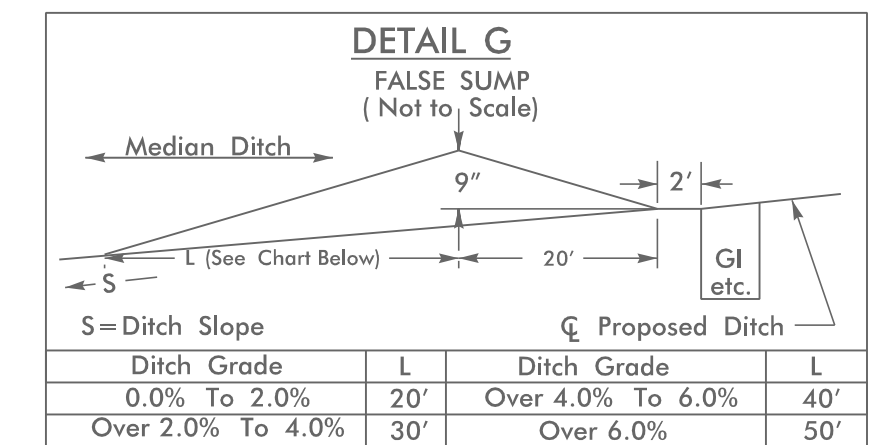
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JONES-ON-SLOW EMC - POWER  
CENTURYLINK - TELEPHONE AND FIBER OPTIC  
TIME WARNER - CATV



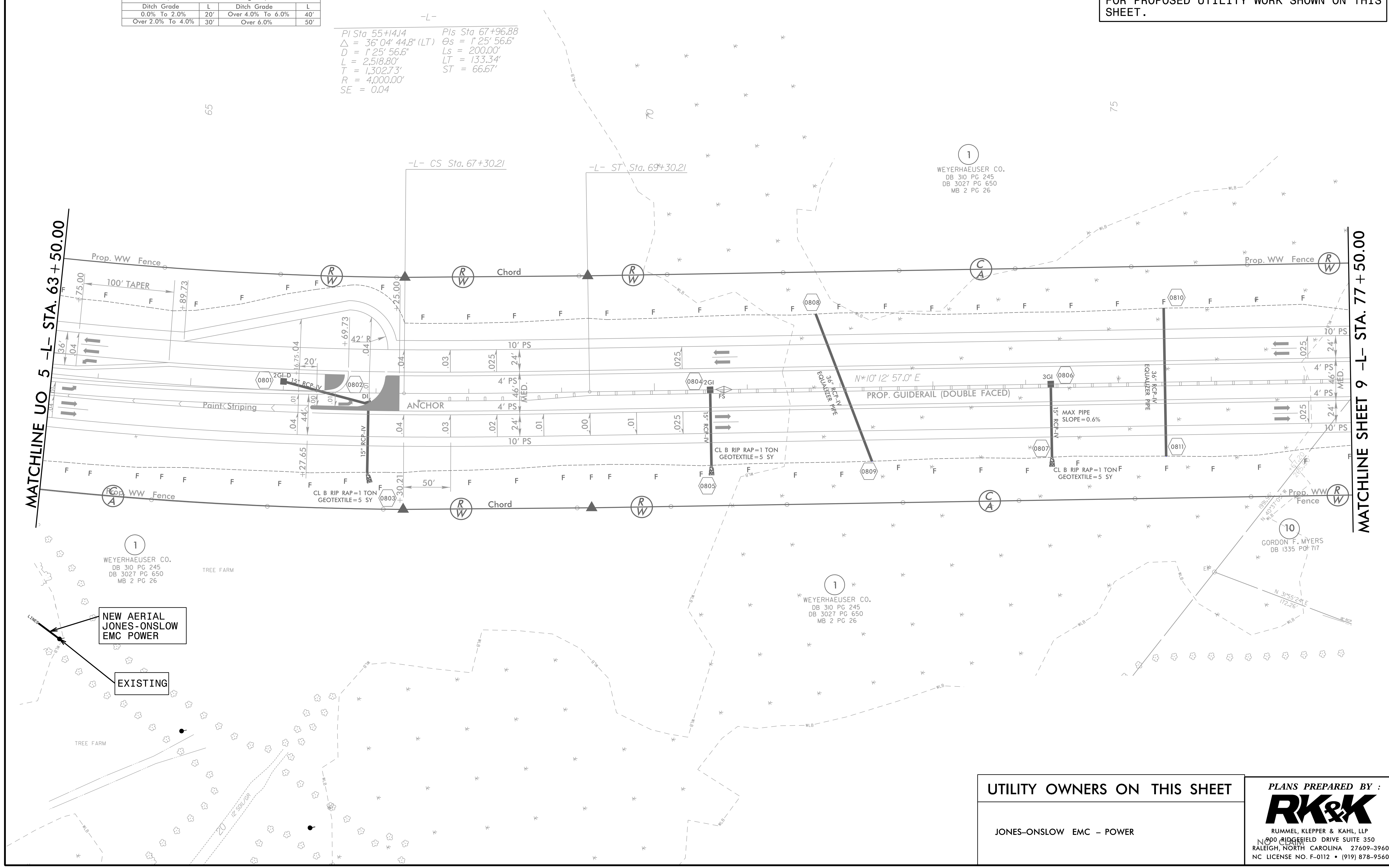
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NAD 83/NSRS 2007



-L-  
 PI Sta 55+14.14      Pls Sta 67+96.88  
 $\Delta = 36^{\circ}04'44.8''$  (LT)       $\Theta_s = 1^{\circ}25'56.6''$   
 $D = 1^{\circ}25'56.6''$        $L_s = 200.00'$   
 $L = 2,518.80'$        $LT = 133.34'$   
 $T = 1,302.73'$        $ST = 66.67'$   
 $R = 4,000.00'$   
 $SE = 0.04$



MATCHLINE UO 5 -L- STA. 63+50.00

MATCHLINE SHEET 9 -L- STA. 77+50.00

1 WEYERHAEUSER CO.  
DB 310 PG 245  
DB 3027 PG 650  
MB 2 PG 26

NEW AERIAL  
JONES-ONSLow  
EMC POWER

EXISTING

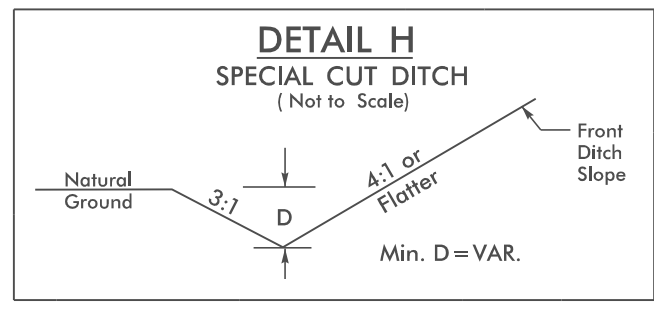
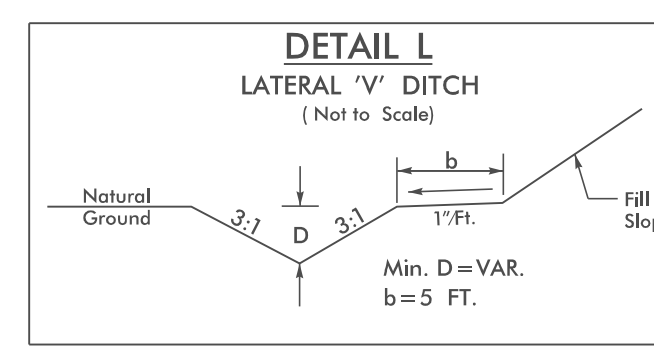
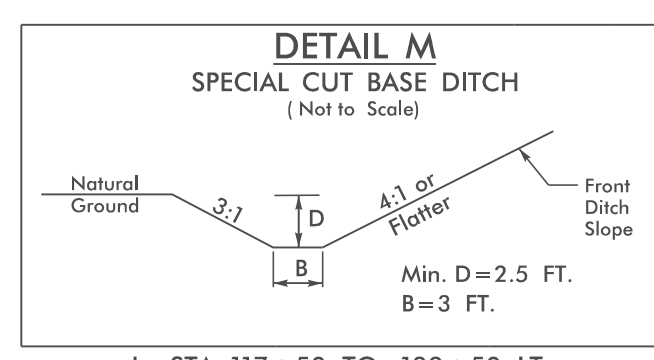
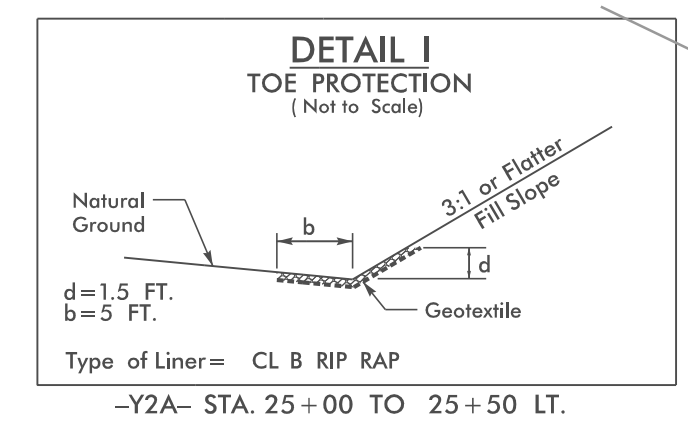
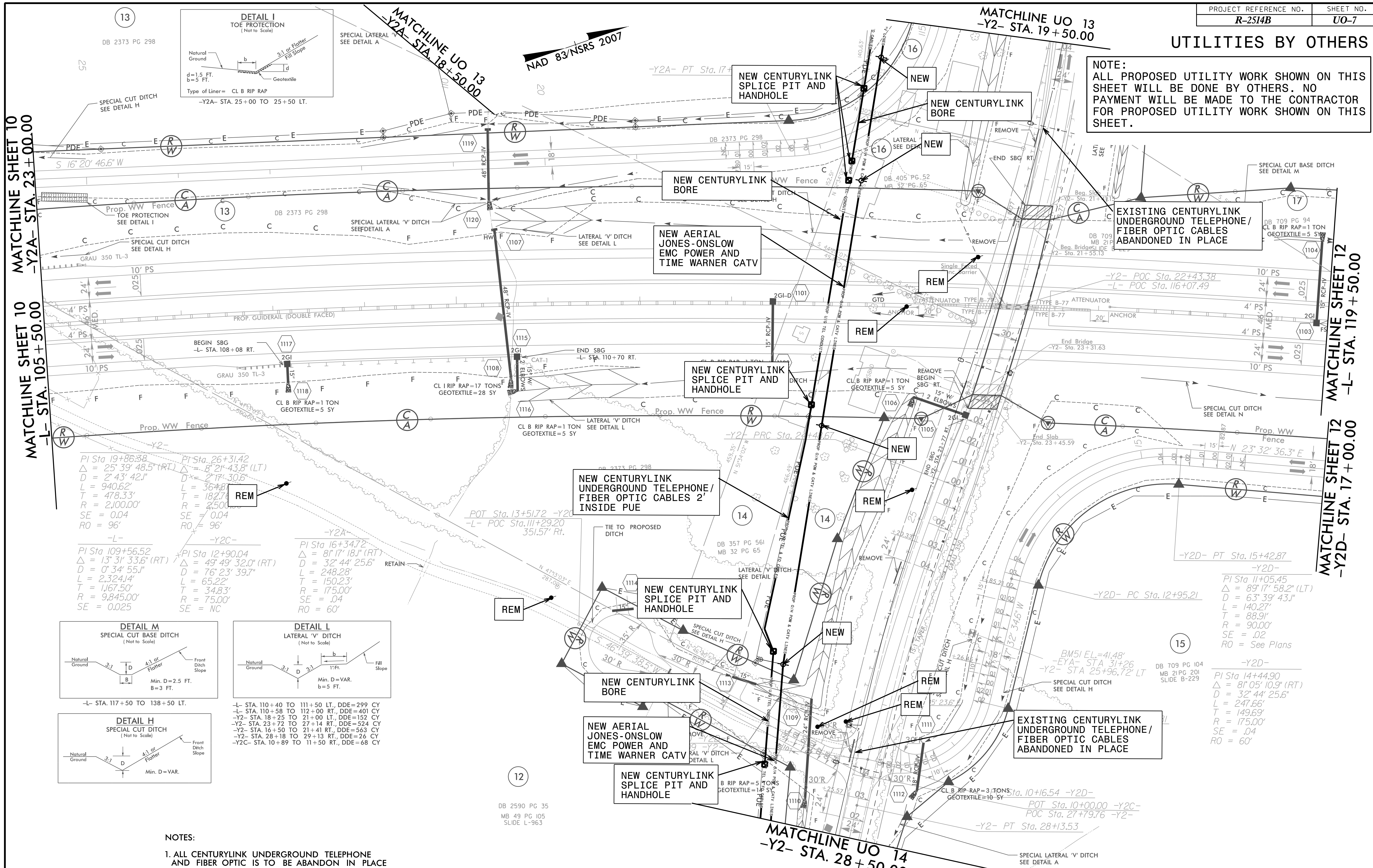
1 WEYERHAEUSER CO.  
DB 310 PG 245  
DB 3027 PG 650  
MB 2 PG 26

10 GORDON F. MYERS  
DB 1335 PG 717

UTILITY OWNERS ON THIS SHEET	PLANS PREPARED BY :
	<b>RK&amp;K</b> RUMMEL, KLEPPER & KAHL, LLP 900 RIDGEFIELD DRIVE SUITE 350 RALEIGH, NORTH CAROLINA 27609-3960 NC LICENSE NO. F-0112 • (919) 878-9560
JONES-ONSLow EMC - POWER	

**UTILITIES BY OTHERS**

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**Curved Section Data:**

Stationing	PI Sta	Delta	D	L	T	R	SE	RO
-L-	19+86.88	25° 39' 48.5" (RT)	2' 43' 42.1"	940.62'	478.33'	2,100.00'	0.04	96'
-Y2A-	26+31.42	8° 21' 43.8" (LT)	2' 17' 30.6"	364.8'	182.74'	2,500.00'	0.04	96'
-L-	109+56.52	13° 31' 33.6" (RT)	0' 34' 55.1"	2,324.14'	1,167.50'	9,845.00'	0.025	60'
-Y2C-	12+90.04	49° 49' 32.0" (RT)	76° 23' 39.7"	65.22'	34.83'	75.00'	NC	
-Y2A-	16+34.72	81° 17' 18.1" (RT)	32' 44' 25.6"	248.28'	150.23'	175.00'	.04	60'
-Y2D-	11+05.45	89° 17' 58.2" (LT)	63° 39' 43.1"	140.27'	88.91'	90.00'	.02	See Plans
-Y2D-	14+44.90	81° 05' 10.9" (RT)	32' 44' 25.6"	247.66'	149.69'	175.00'	.04	60'

**NOTES:**  
1. ALL CENTURYLINK UNDERGROUND TELEPHONE AND FIBER OPTIC IS TO BE ABANDON IN PLACE

**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

**UTILITY OWNERS ON THIS SHEET**

JONES-ON-SLOW EMC - POWER  
CENTURYLINK - TELEPHONE/FIBER OPTIC  
TIME WARNER - CATV

**MATCHLINE UO 14**  
-Y2- STA. 28+50.00

**MATCHLINE SHEET 12**  
-L- STA. 119+50.00

**MATCHLINE SHEET 12**  
-Y2D- STA. 17+00.00

**MATCHLINE SHEET 10**  
-L- STA. 105+50.00

**MATCHLINE SHEET 10**  
-Y2A- STA. 23+00.00

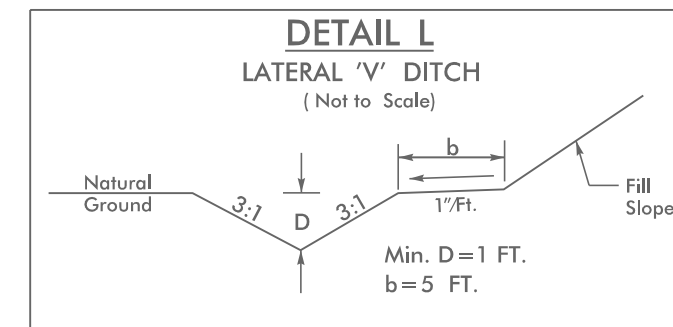
**MATCHLINE UO 13**  
-Y2- STA. 19+50.00

NAD 83/NSRS 2007

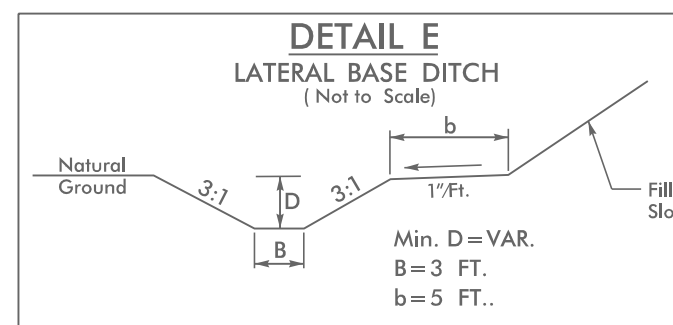


**UTILITIES BY OTHERS**

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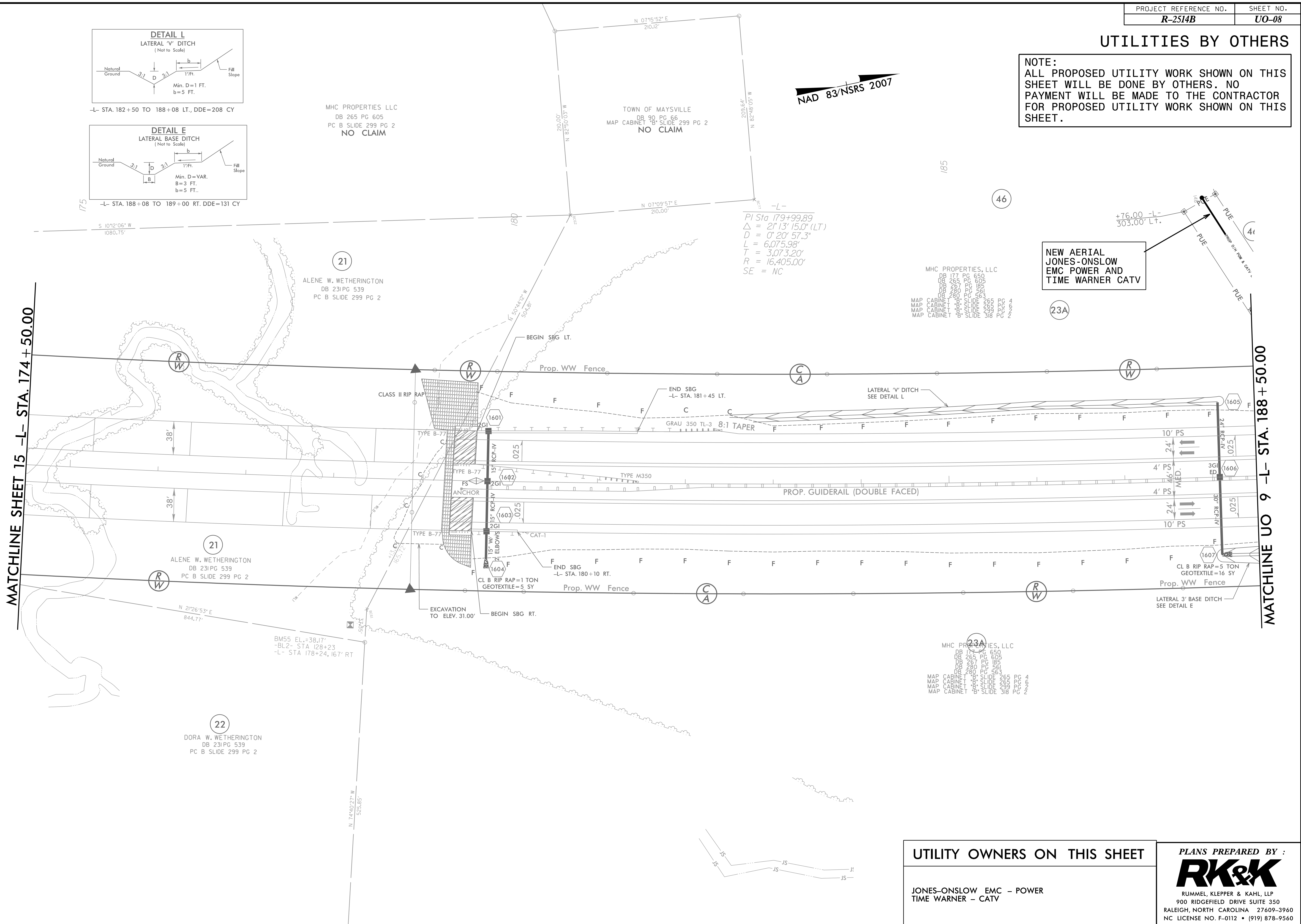
-L- STA. 182+50 TO 188+08 LT., DDE=208 CY



-L- STA. 188+08 TO 189+00 RT. DDE=131 CY

MATCHLINE SHEET 15 -L- STA. 174+50.00

MATCHLINE UO 9 -L- STA. 188+50.00



$PI\ Sta\ 179+99.89$   
 $\Delta = 21^{\circ}13'15.0\" (LT)$   
 $D = 0^{\circ}20'57.3\"$   
 $L = 6,075.98'$   
 $T = 3,073.20'$   
 $R = 16,405.00'$   
 $SE = NC$

**NEW AERIAL JONES-ONSLow EMC POWER AND TIME WARNER CATV**

MHC PROPERTIES, LLC  
 DB 177 PG 650  
 DB 265 PG 605  
 DB 267 PG 185  
 DB 280 PG 561  
 DB 280 PG 563  
 MAP CABINET 'B' SLIDE 265 PG N2ND/4  
 MAP CABINET 'B' SLIDE 266 PG N2ND/4  
 MAP CABINET 'B' SLIDE 267 PG N2ND/4  
 MAP CABINET 'B' SLIDE 318 PG N2ND/4

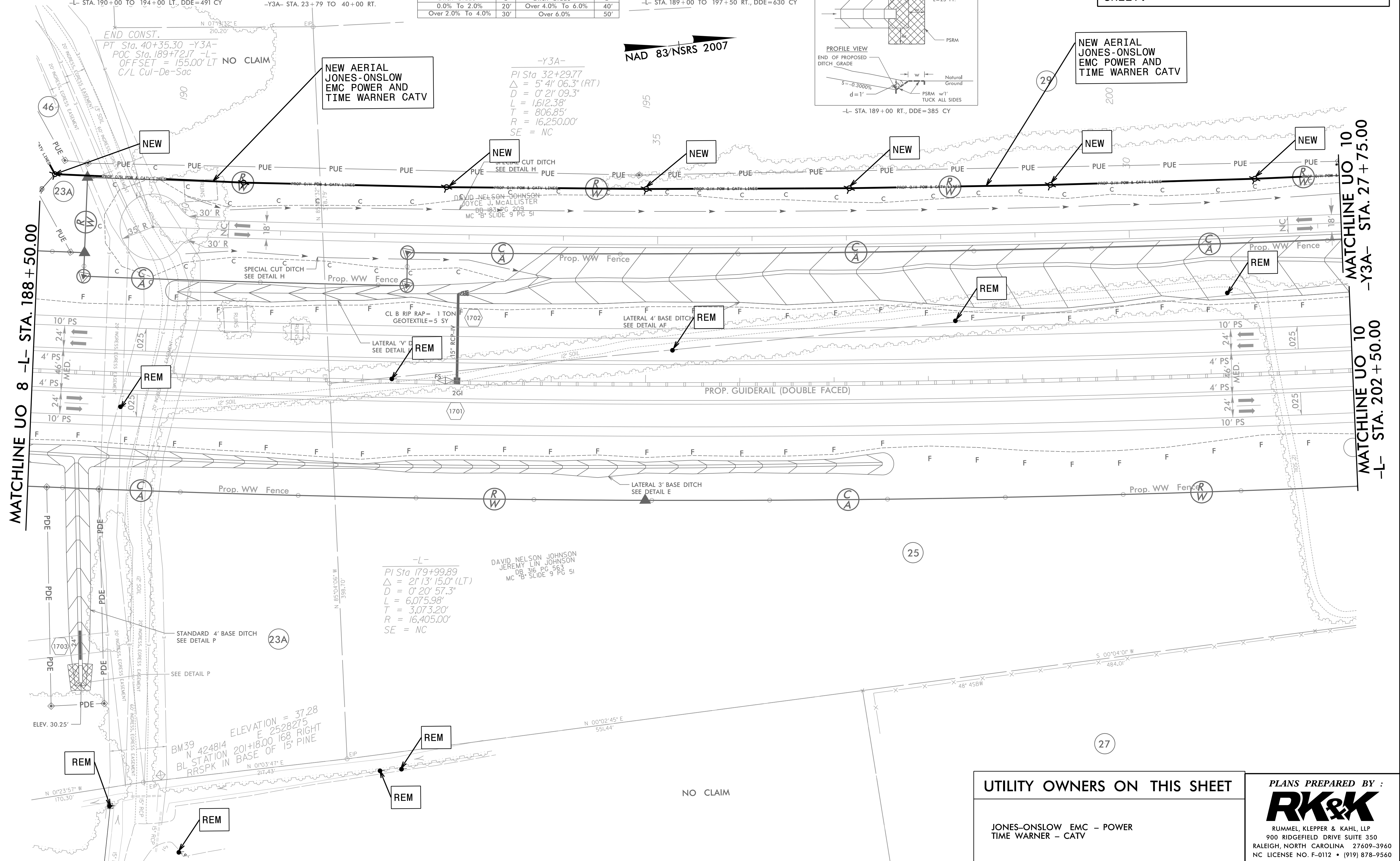
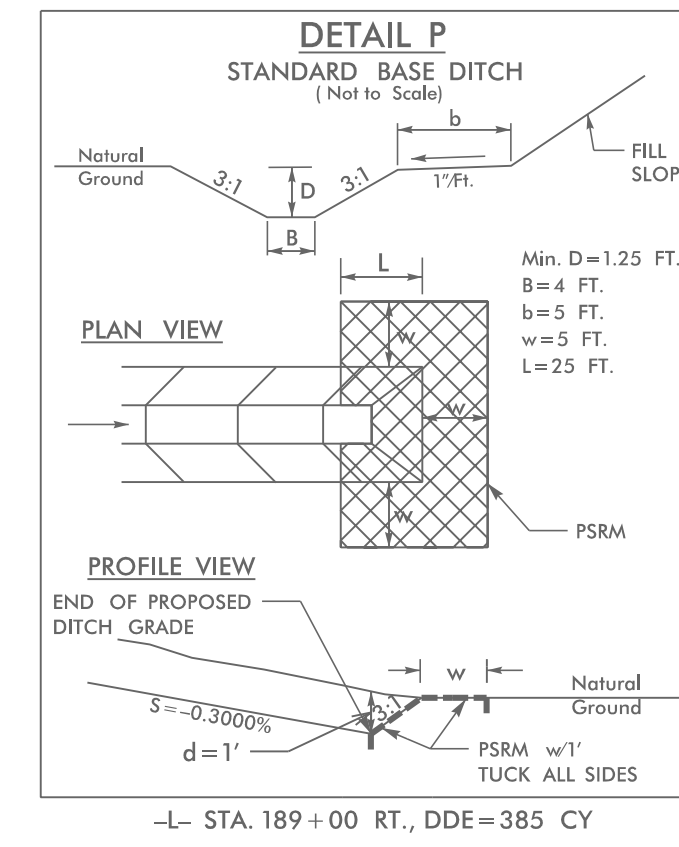
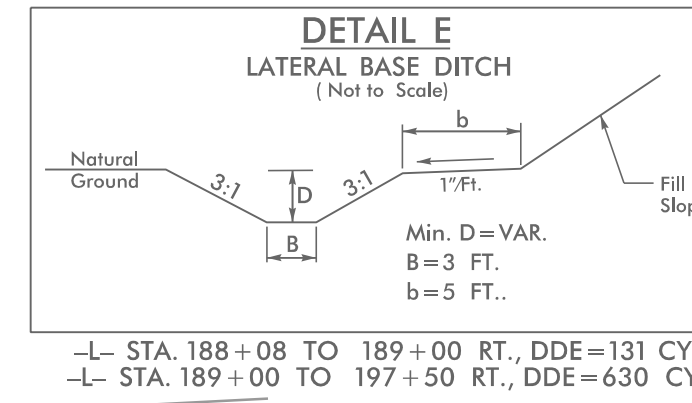
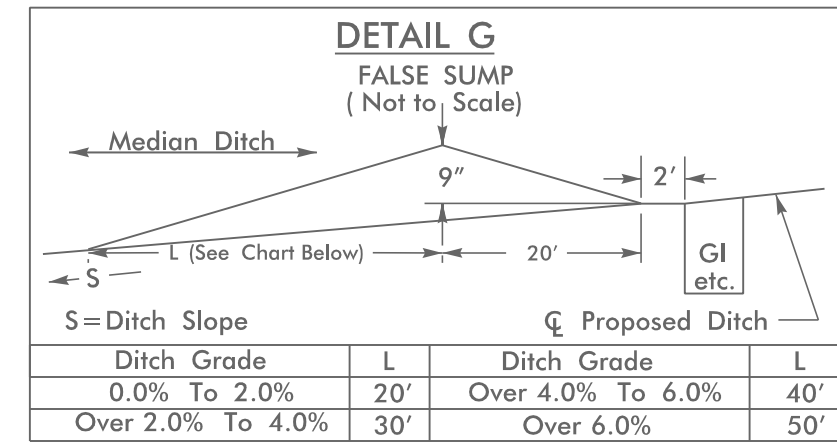
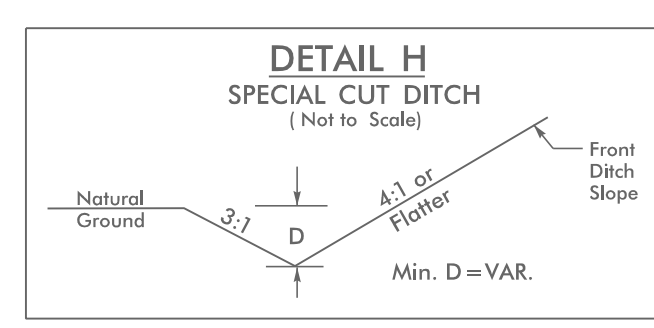
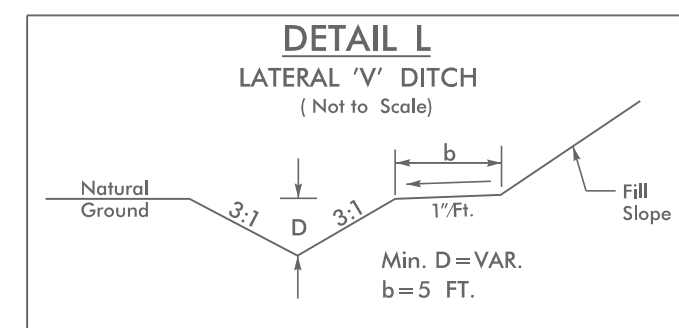
MHC PROPERTIES, LLC  
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 MAP CABINET 'B' SLIDE 318 PG N2ND/4

<p><b>UTILITY OWNERS ON THIS SHEET</b></p> <p>JONES-ONSLow EMC - POWER              TIME WARNER - CATV</p>	<p><b>PLANS PREPARED BY :</b></p> <p><b>RK&amp;K</b></p> <p>RUMMEL, KLEPPER &amp; KAHL, LLP              900 RIDGEFIELD DRIVE SUITE 350              RALEIGH, NORTH CAROLINA 27609-3960              NC LICENSE NO. F-0112 • (919) 878-9560</p>
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**NEW AERIAL JONES-ONSLow EMC POWER AND TIME WARNER CATV**

**NEW AERIAL JONES-ONSLow EMC POWER AND TIME WARNER CATV**

**-Y3A-**  
 PI Sta 32+29.77  
 $\Delta = 5' 41'' 06.3''$  (RT)  
 $D = 0' 21'' 09.3''$   
 $L = 1,612.38'$   
 $T = 806.85'$   
 $R = 16,250.00'$   
 SE = NC

**-L-**  
 PI Sta 179+99.89  
 $\Delta = 2' 13'' 15.0''$  (LT)  
 $D = 0' 20'' 57.3''$   
 $L = 6,075.98'$   
 $T = 3,073.20'$   
 $R = 16,405.00'$   
 SE = NC

DAVID NELSON JOHNSON  
 JEREMY LIN JOHNSON  
 DB 316 PG 5 B 2  
 MC 'B' SLIDE 9 PG 51

ELEVATION = 37.28  
 E 2528275  
 201+18.00 168 RIGHT  
 BL STATION BASE OF 15' PINE  
 N 01°03'47" E  
 217.43'

**UTILITY OWNERS ON THIS SHEET**

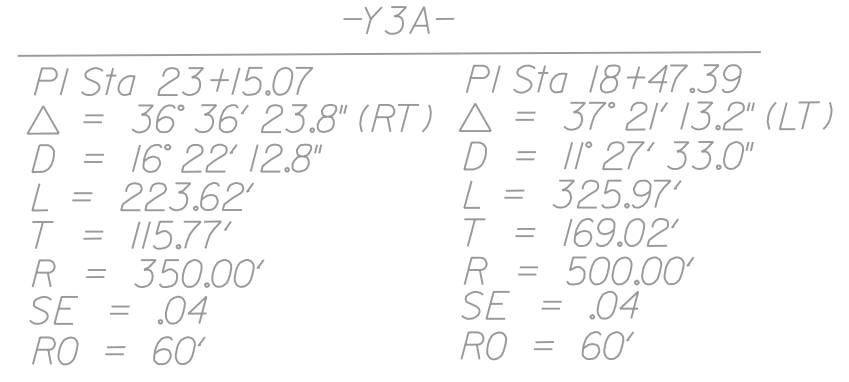
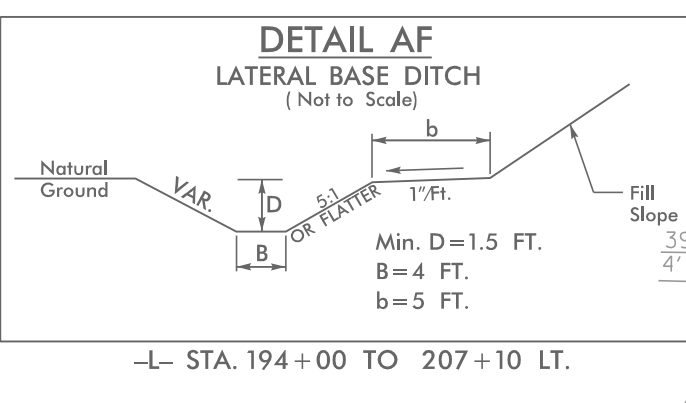
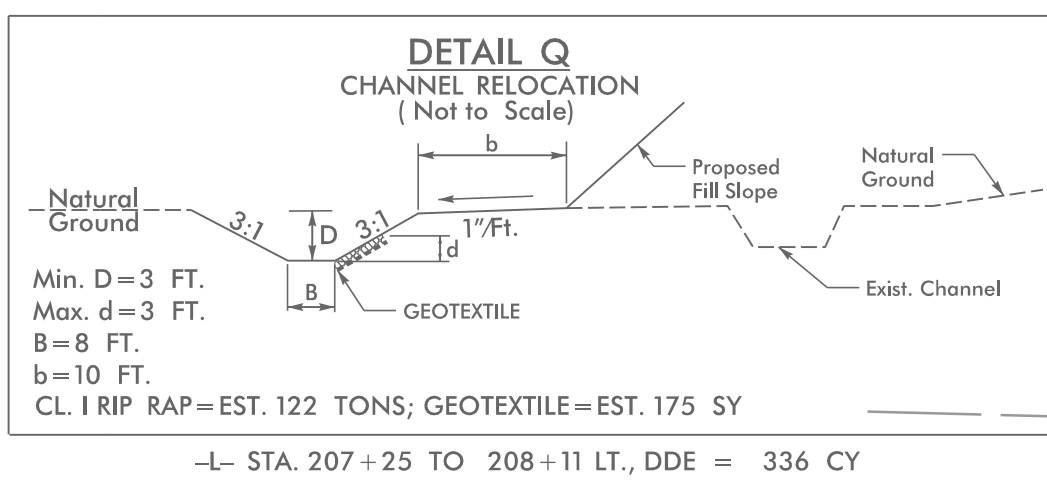
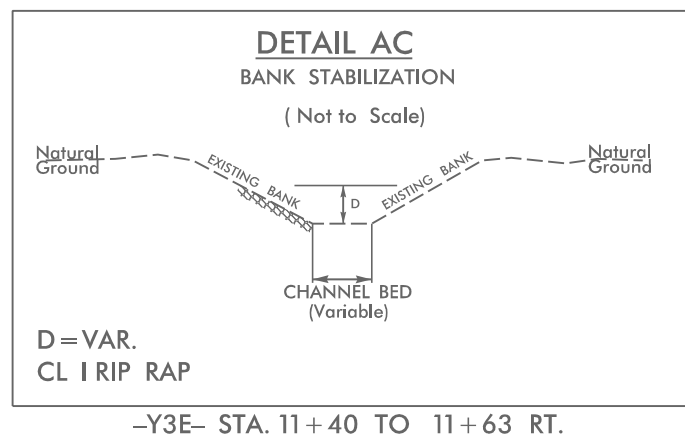
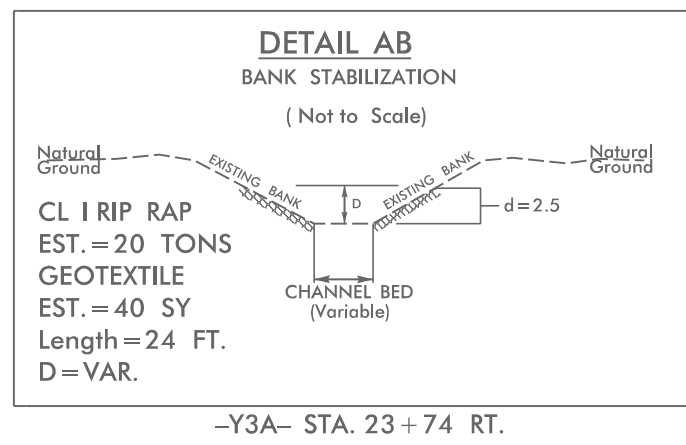
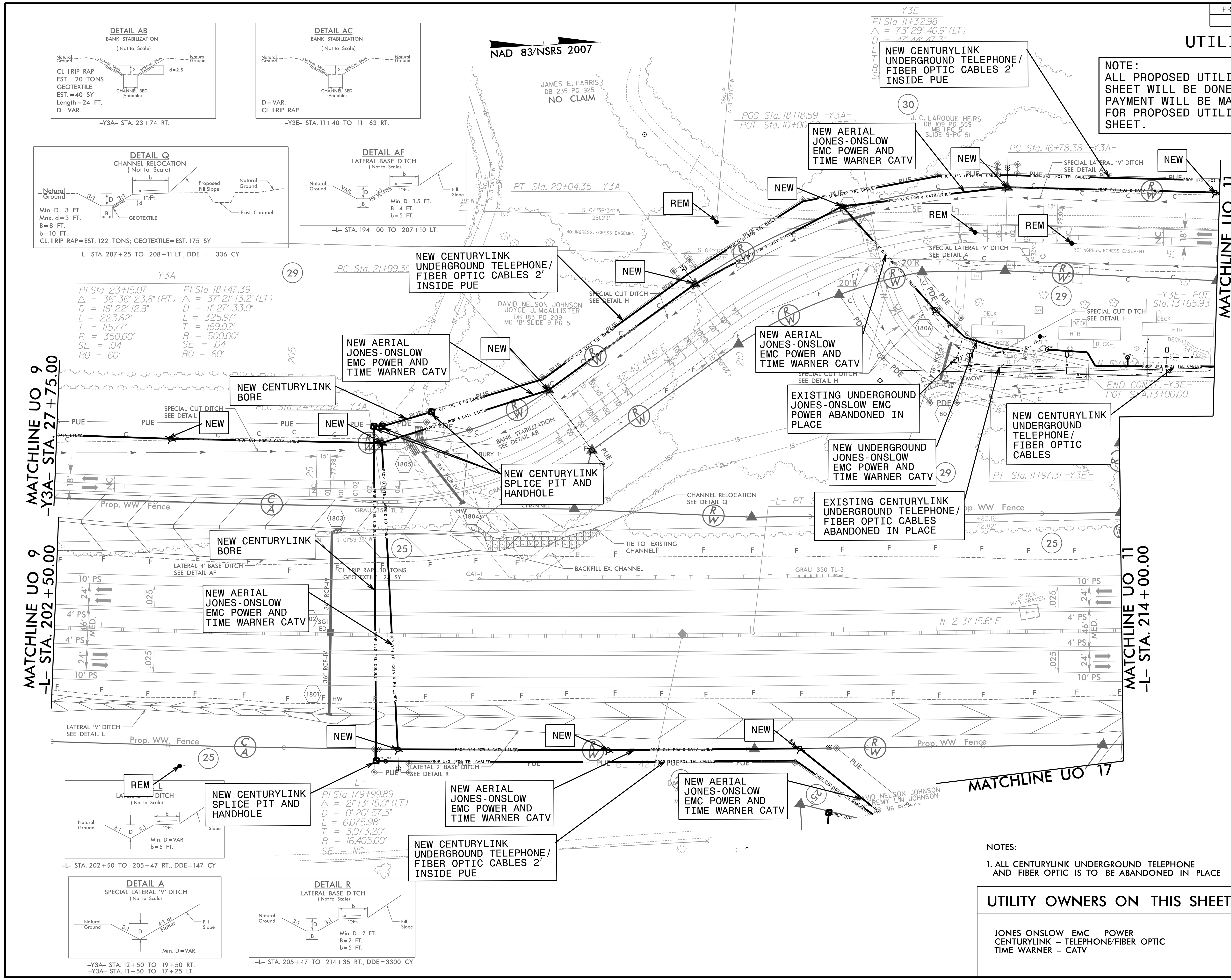
JONES-ONSLow EMC - POWER  
 TIME WARNER - CATV

**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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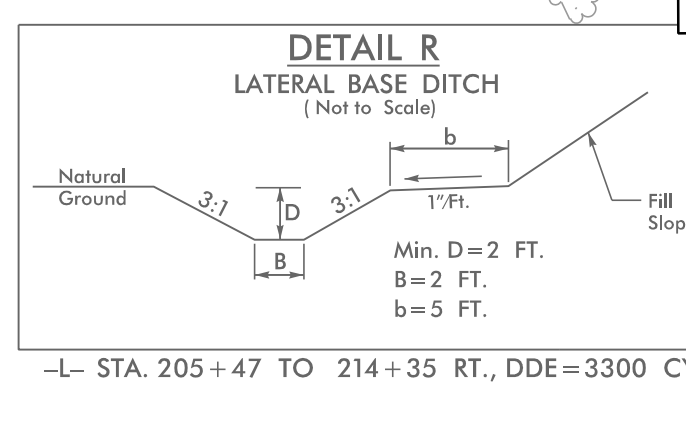
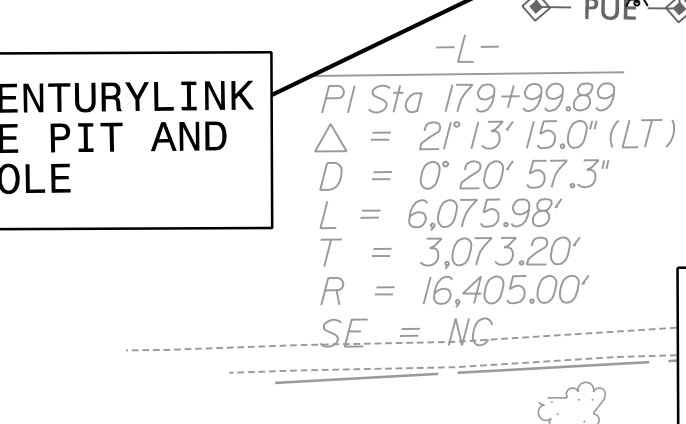
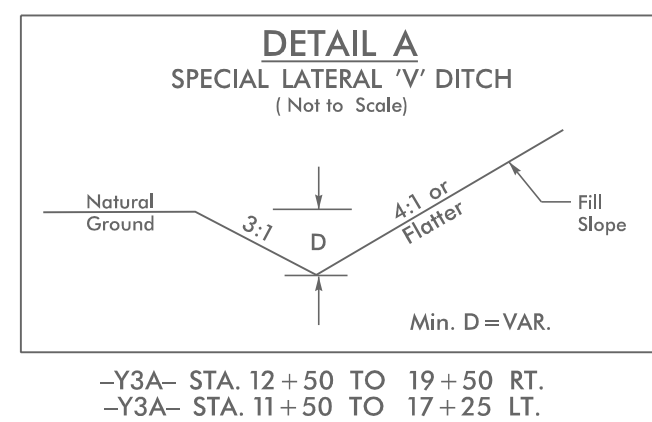
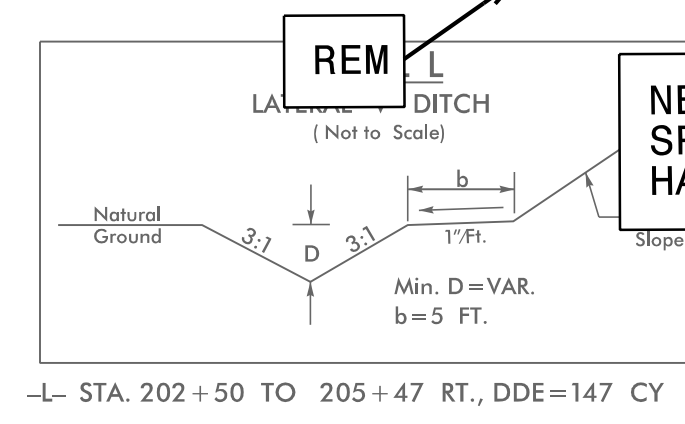


**MATCHLINE UO 9**  
-Y3A- STA. 27+75.00

**MATCHLINE UO 9**  
-L- STA. 202+50.00

**MATCHLINE UO 11**  
-L- STA. 214+00.00

**MATCHLINE UO 11**  
-Y3A- STA. 14+50.00



**NOTES:**  
1. ALL CENTURYLINK UNDERGROUND TELEPHONE AND FIBER OPTIC IS TO BE ABANDONED IN PLACE

**UTILITY OWNERS ON THIS SHEET**

- JONES-ONSLow EMC - POWER
- CENTURYLINK - TELEPHONE/FIBER OPTIC
- TIME WARNER - CATV

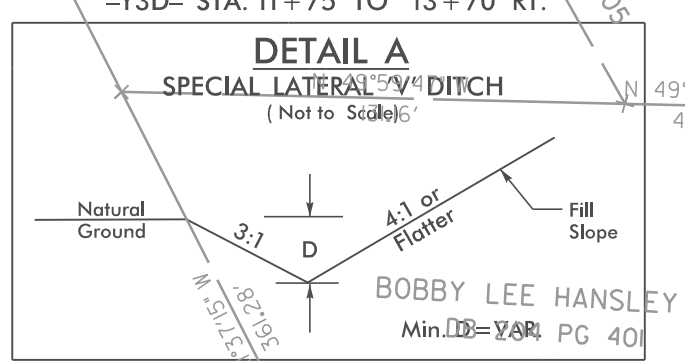
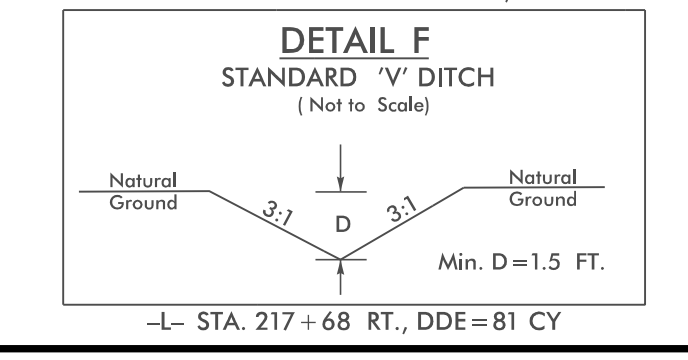
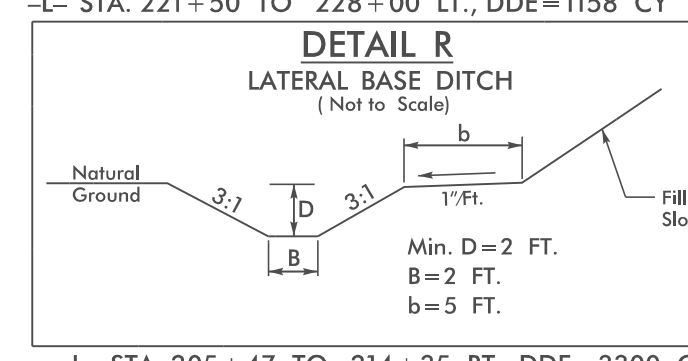
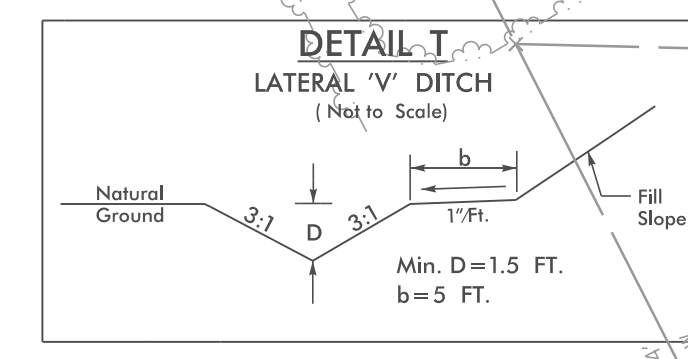
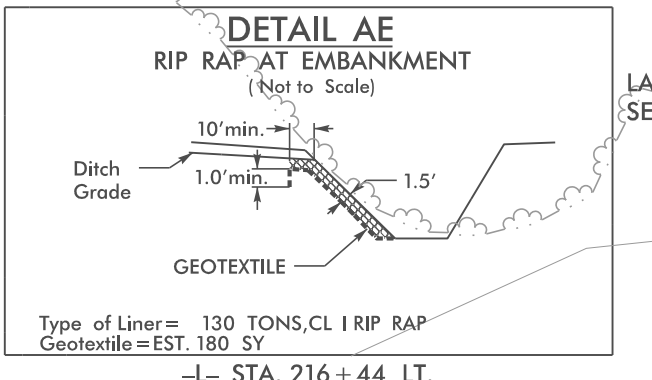
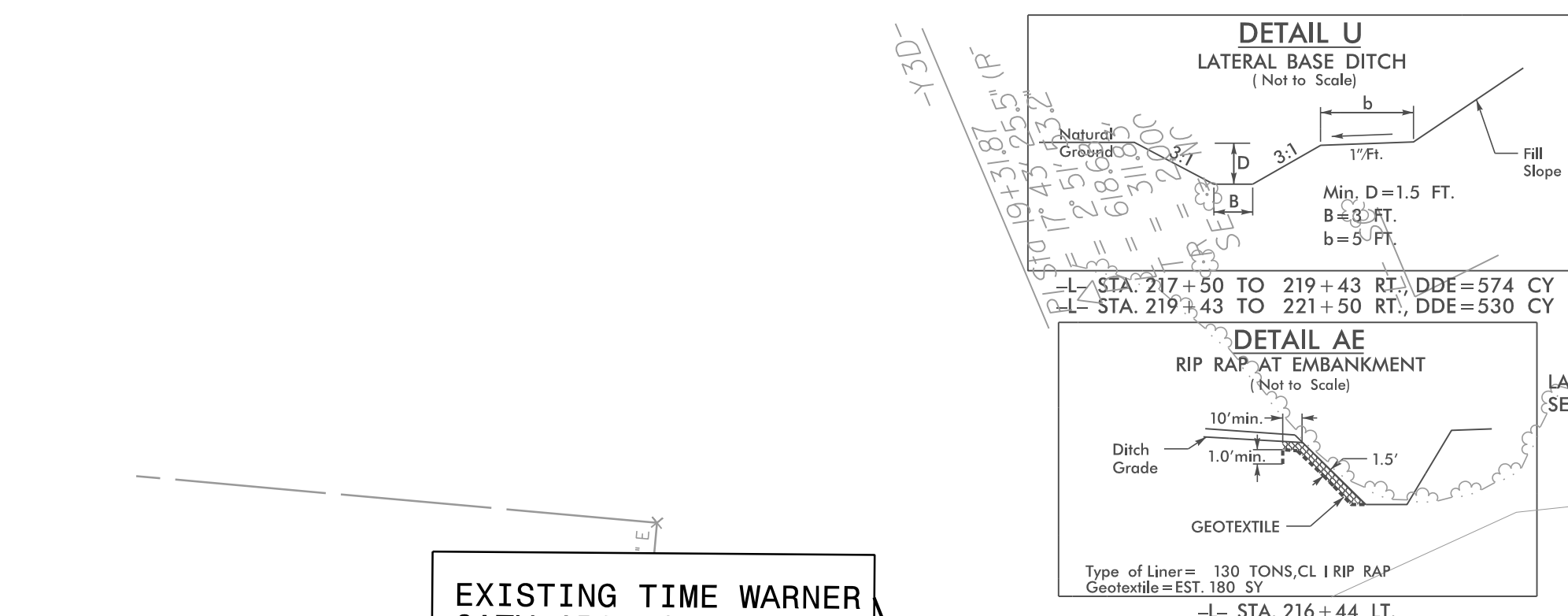
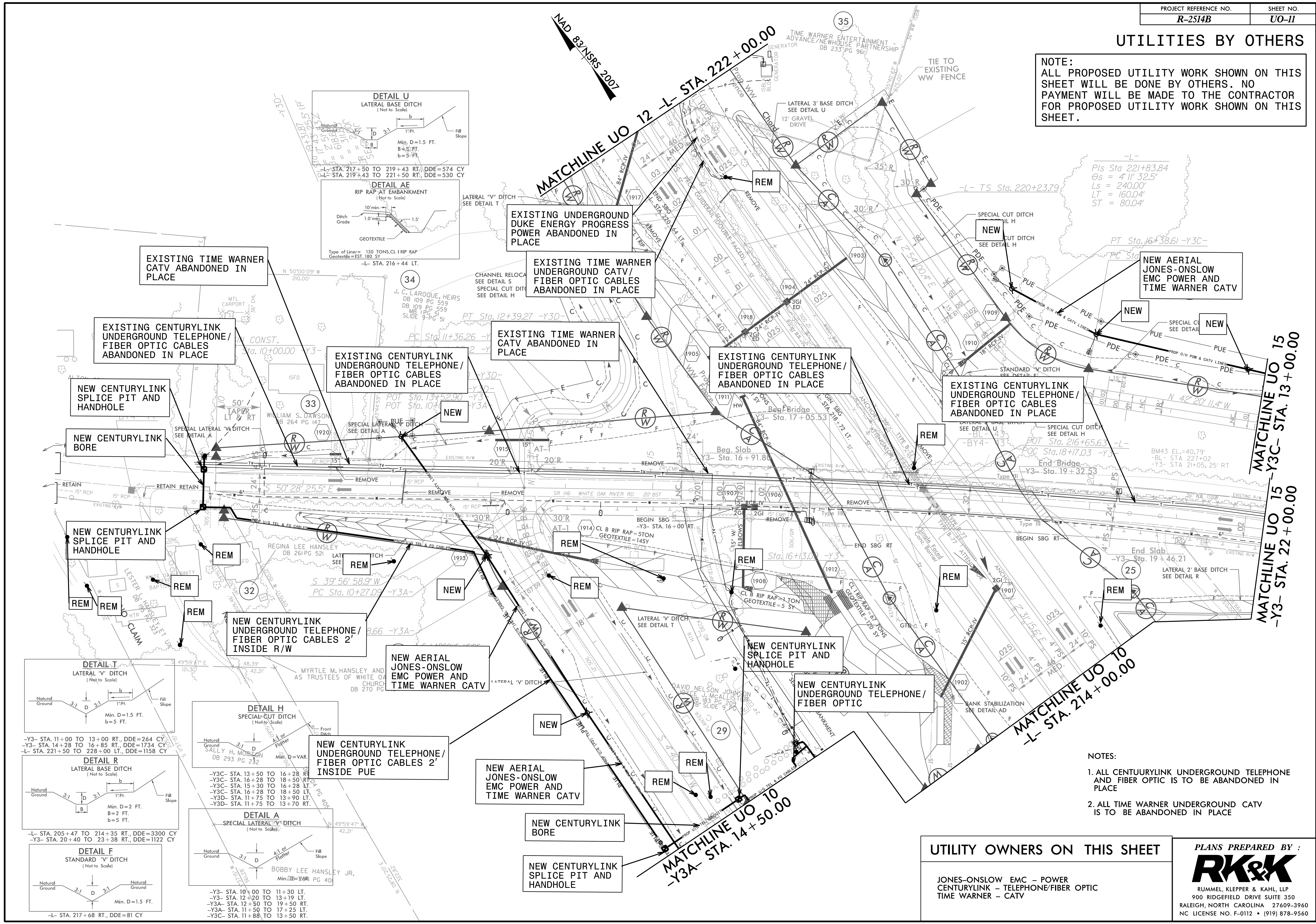
**PLANS PREPARED BY :**

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



### UTILITIES BY OTHERS

**NOTE:**  
 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.



-L-  
 Pts Sta 221+83.84  
 Os = 4' 11" 32.5"  
 Ls = 240.00'  
 LT = 160.04'  
 ST = 80.04'

**NEW AERIAL JONES-ON-SLOW EMC POWER AND TIME WARNER CATV**

**EXISTING CENTURYLINK UNDERGROUND TELEPHONE/FIBER OPTIC CABLES ABANDONED IN PLACE**

**EXISTING CENTURYLINK UNDERGROUND TELEPHONE/FIBER OPTIC CABLES ABANDONED IN PLACE**

- NOTES:**
1. ALL CENTURYLINK UNDERGROUND TELEPHONE AND FIBER OPTIC IS TO BE ABANDONED IN PLACE
  2. ALL TIME WARNER UNDERGROUND CATV IS TO BE ABANDONED IN PLACE

### UTILITY OWNERS ON THIS SHEET

JONES-ON-SLOW EMC - POWER  
 CENTURYLINK - TELEPHONE/FIBER OPTIC  
 TIME WARNER - CATV

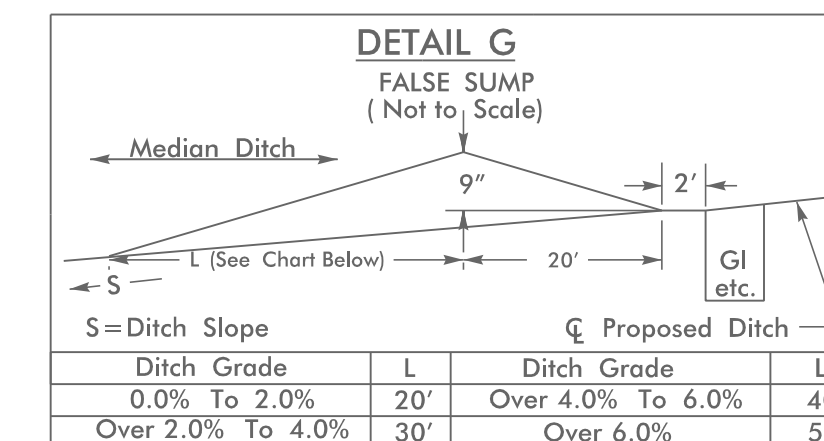
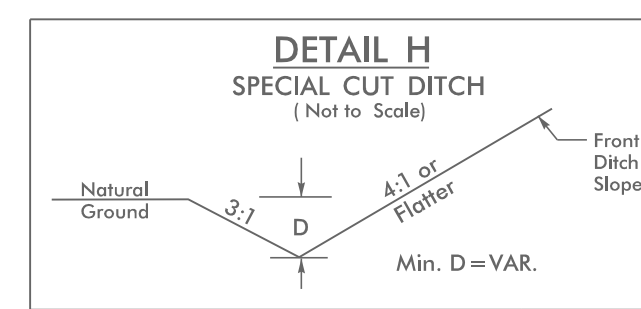
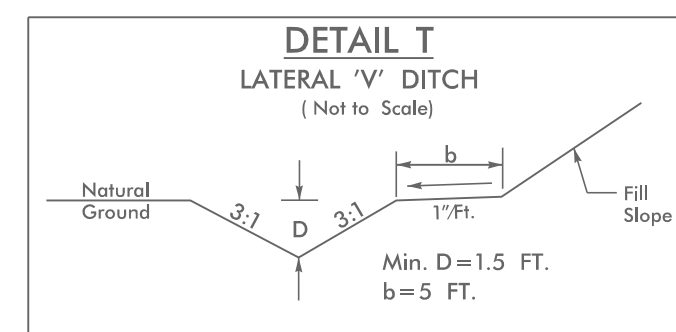
### PLANS PREPARED BY :

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



**UTILITIES BY OTHERS**

**NOTE:**  
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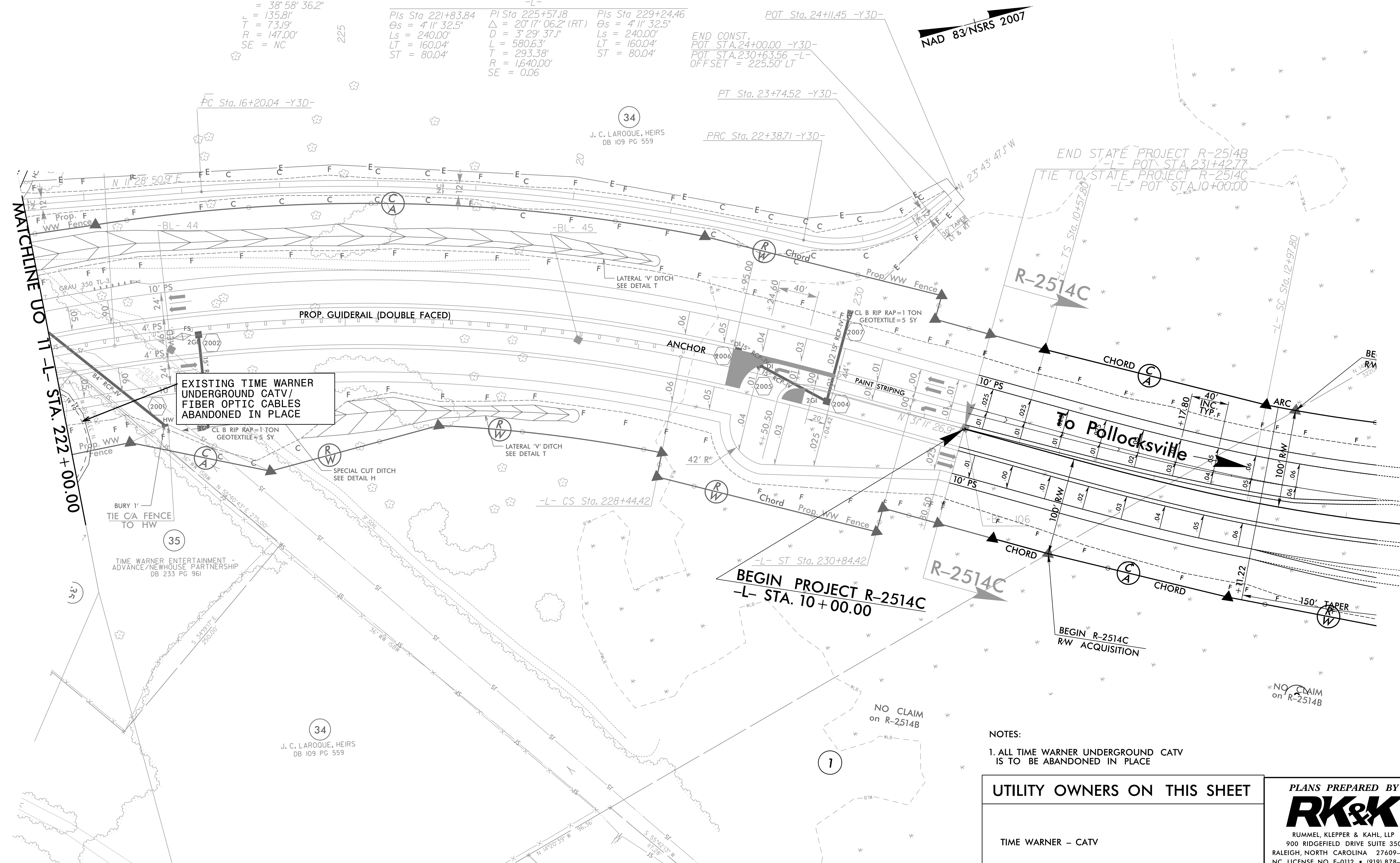
Sta 23+11.90  
 = 52° 56' 03.5" (LT)  
 = 38° 58' 36.2"  
 L = 135.81'  
 T = 73.19'  
 R = 147.00'  
 SE = NC

-L- STA. 221+50 TO 228+00 LT., DDE=1158 CY  
 -L- STA. 225+00 TO 227+40 RT., DDE=360 CY

-L- STA. 221+83.84  
 Δs = 4° 11' 32.5"  
 Ls = 240.00'  
 LT = 160.04'  
 ST = 80.04'

-L- STA. 225+57.18  
 Δ = 20° 17' 06.2" (RT)  
 D = 3° 29' 37.1"  
 L = 580.63'  
 T = 293.38'  
 R = 1,640.00'  
 SE = 0.06

-L- STA. 229+24.46  
 Δs = 4° 11' 32.5"  
 Ls = 240.00'  
 LT = 160.04'  
 ST = 80.04'



**NOTES:**  
 1. ALL TIME WARNER UNDERGROUND CATV IS TO BE ABANDONED IN PLACE

<b>UTILITY OWNERS ON THIS SHEET</b>	<b>PLANS PREPARED BY :</b>
TIME WARNER - CATV	 RUMMEL, KLEPPER & KAHL, LLP 900 RIDGEFIELD DRIVE SUITE 350 RALEIGH, NORTH CAROLINA 27609-3960 NC LICENSE NO. F-0112 • (919) 878-9560



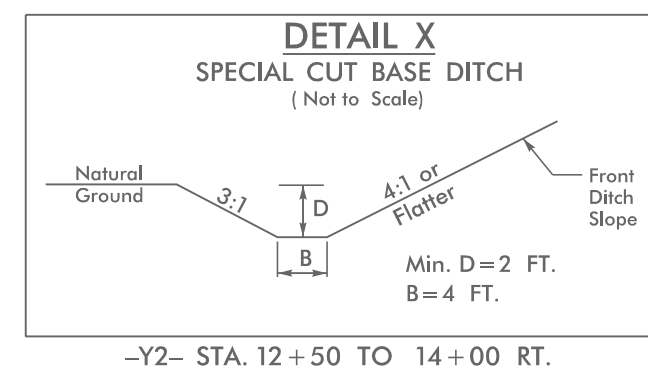
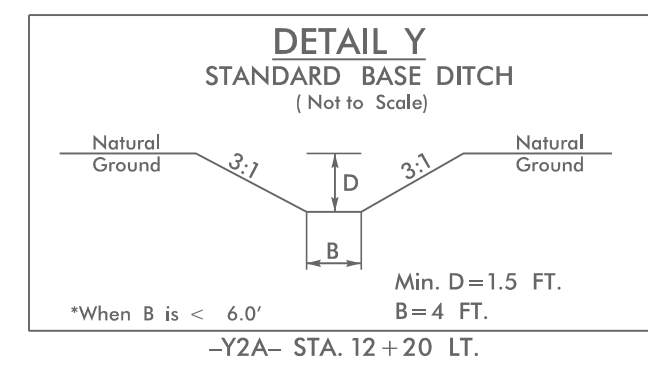
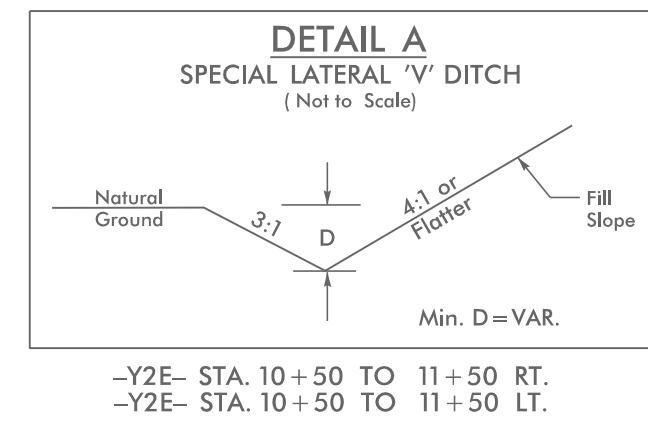
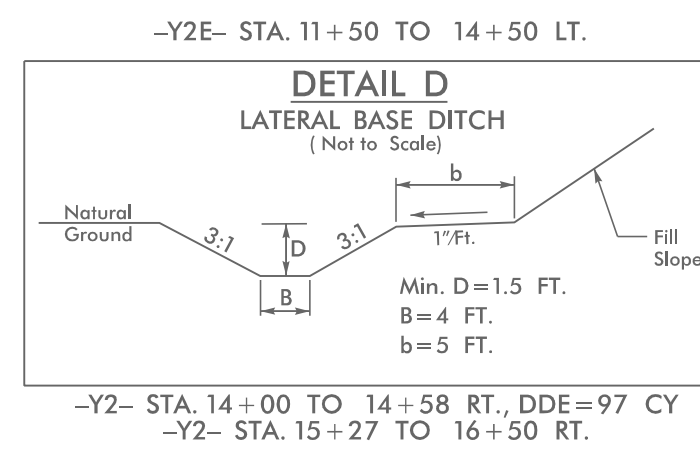
JONES-ONSLow EMC - POWER  
 CENTURYLINK - TELEPHONE/FIBER OPTIC  
 TIME WARNER - CATV

NOTES:

1. ALL CENTURYLINK UNDERGROUND TELEPHONE AND FIBER OPTIC IS TO BE ABANDONED IN PLACE
2. ALL TIME WARNER UNDERGROUND CATV IS TO BE ABANDONED IN PLACE

10 UTILITIES BY OTHERS

NOTE:  
 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.

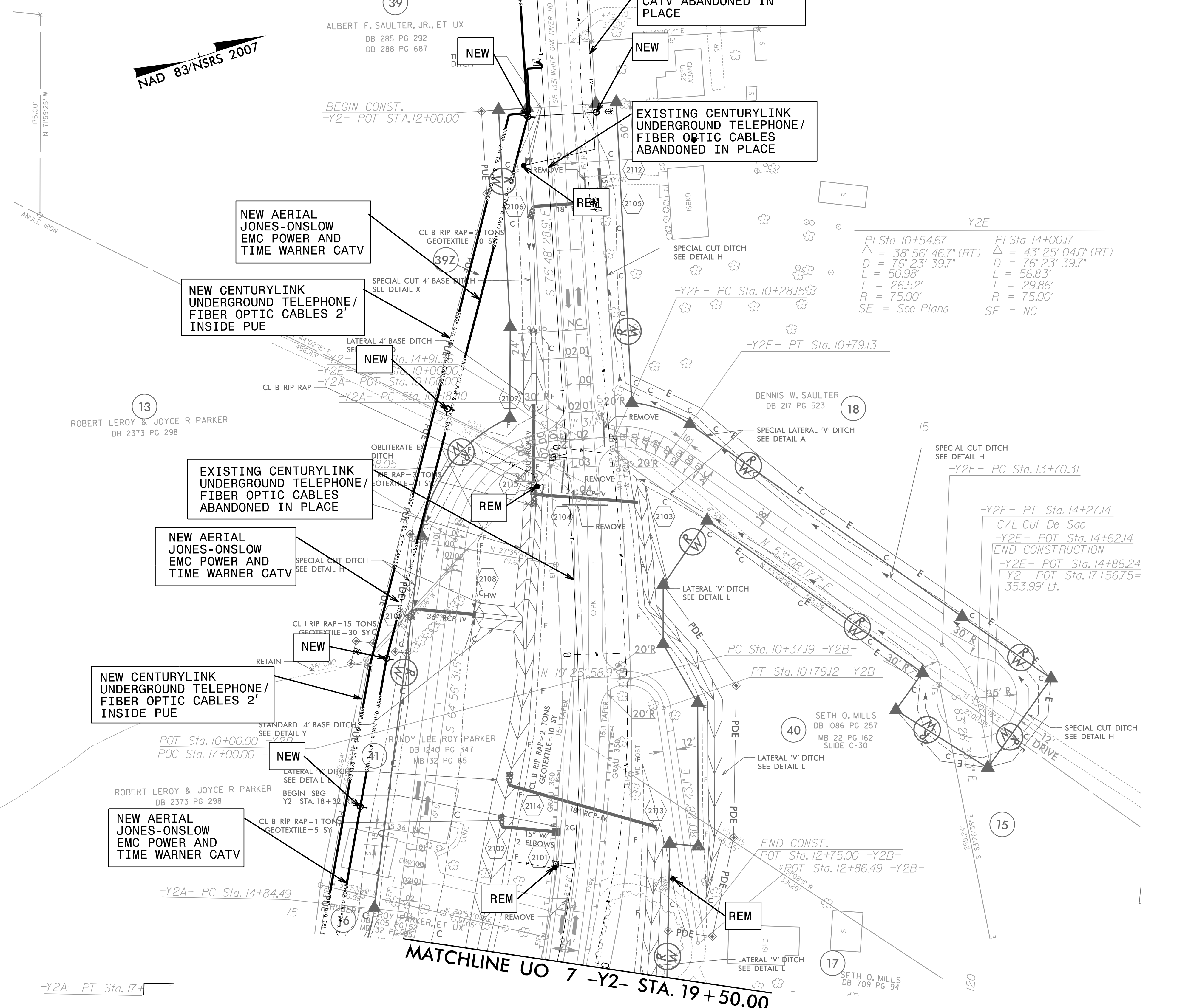


-Y2B-  
 PI Sta 10+62.40  
 $\Delta = 80' 05" 18.0" (RT)$   
 $D = 190' 59" 09.4"$   
 $L = 41.93'$   
 $T = 25.21'$   
 $R = 30.00'$   
 SE = NC

-Y2-  
 PI Sta 19+86.38  
 $\Delta = 25' 39" 48.5" (RT)$   
 $D = 2' 43" 42.1"$   
 $L = 940.62'$   
 $T = 478.33'$   
 $R = 2,100.00'$   
 SE = 0.04  
 RO = 96'

-Y2A-  
 PI Sta 11+01.04  
 $\Delta = 79' 08" 02.6" (LT)$   
 $D = 57' 17" 44.8"$   
 $L = 138.11'$   
 $T = 82.63'$   
 $R = 100.00'$   
 SE = 0.02  
 RO = See Plans

PI Sta 16+34.72  
 $\Delta = 81' 17" 18.1" (RT)$   
 $D = 32' 44" 25.6"$   
 $L = 248.28'$   
 $T = 150.23'$   
 $R = 175.00'$   
 SE = .04  
 RO = 60'



NAD 83/NSRS 2007

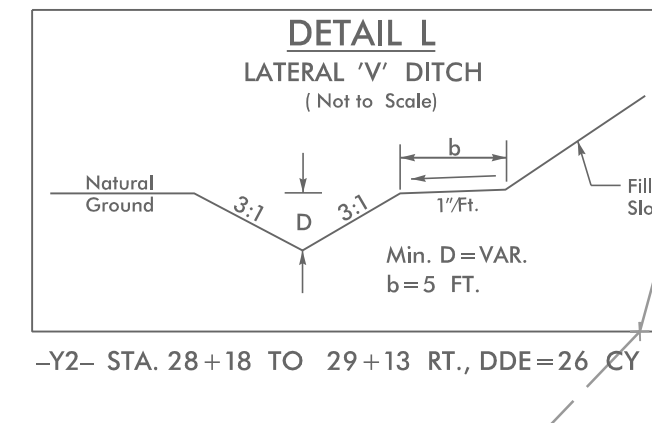
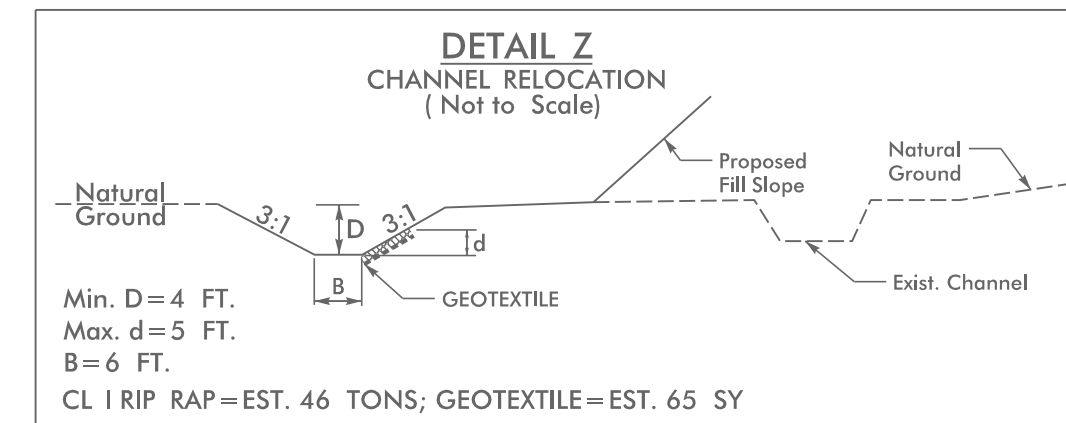
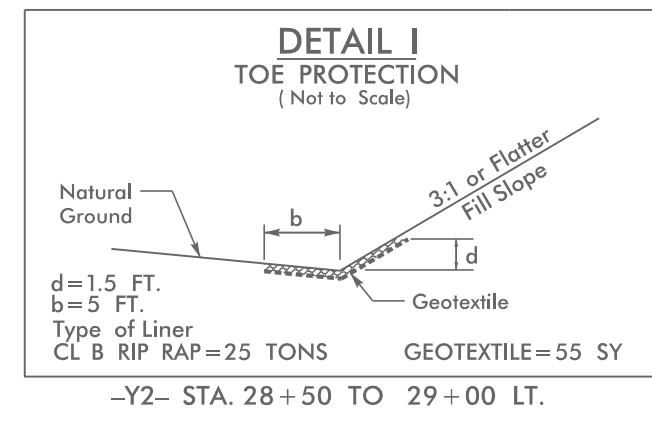
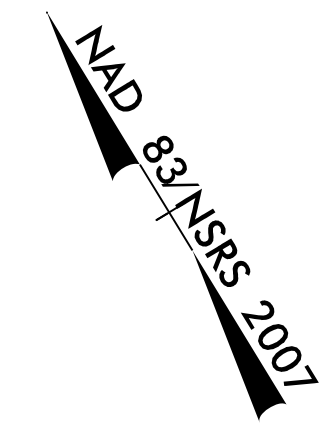
MATCHLINE UO 7  
 -Y2A- STA. 18+50.00

MATCHLINE UO 7  
 -Y2- STA. 19+50.00



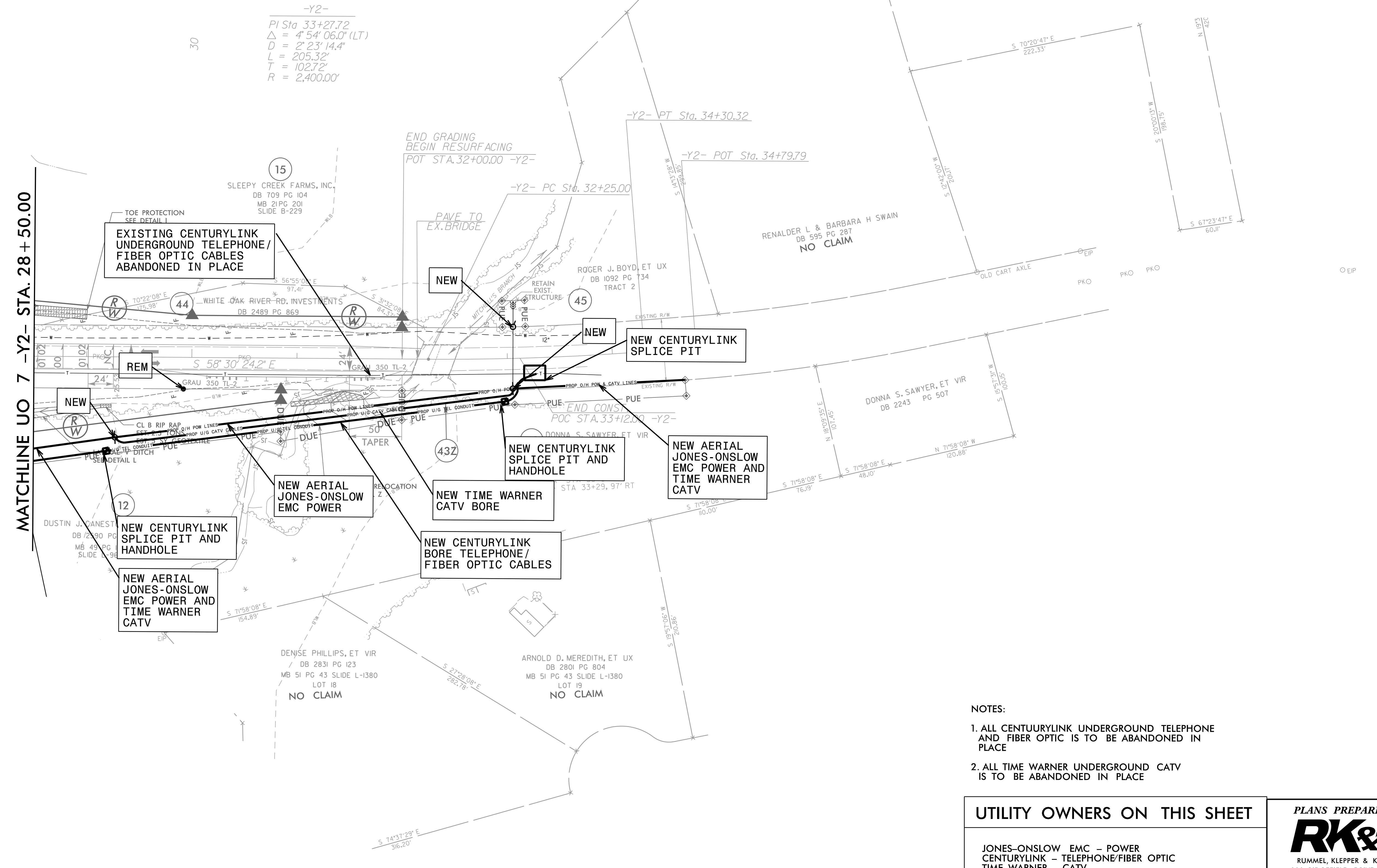
### UTILITIES BY OTHERS

**NOTE:**  
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-Y2-  
 $PI Sta. 33+27.72$   
 $\Delta = 4' 54" 06.0" (LT)$   
 $D = 2' 23" 14.4"$   
 $L = 205.32'$   
 $T = 102.72'$   
 $R = 2,400.00'$

MATCHLINE UO 7 -Y2- STA. 28+50.00



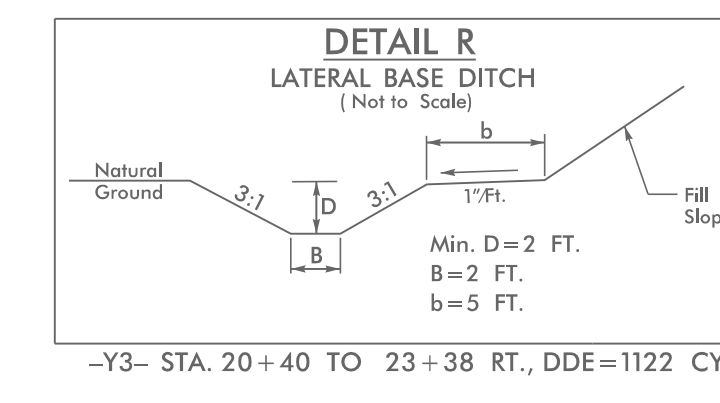
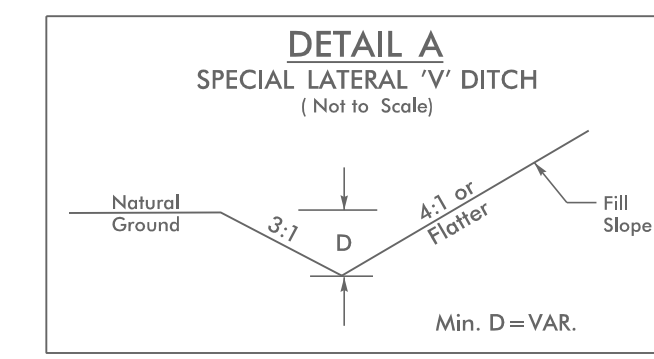
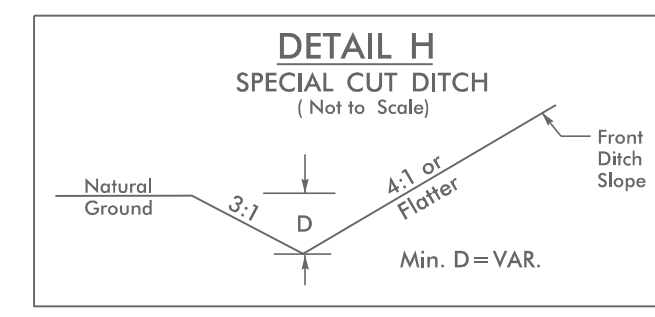
- NOTES:**
1. ALL CENTURYLINK UNDERGROUND TELEPHONE AND FIBER OPTIC IS TO BE ABANDONED IN PLACE
  2. ALL TIME WARNER UNDERGROUND CATV IS TO BE ABANDONED IN PLACE

<b>UTILITY OWNERS ON THIS SHEET</b>	<b>PLANS PREPARED BY :</b>
JONES-ONSLow EMC - POWER CENTURYLINK - TELEPHONE/FIBER OPTIC TIME WARNER - CATV	<b>RK&amp;K</b> RUMMEL, KLEPPER & KAHL, LLP 900 RIDGEFIELD DRIVE SUITE 350 RALEIGH, NORTH CAROLINA 27609-3960 NC LICENSE NO. F-0112 • (919) 878-9560



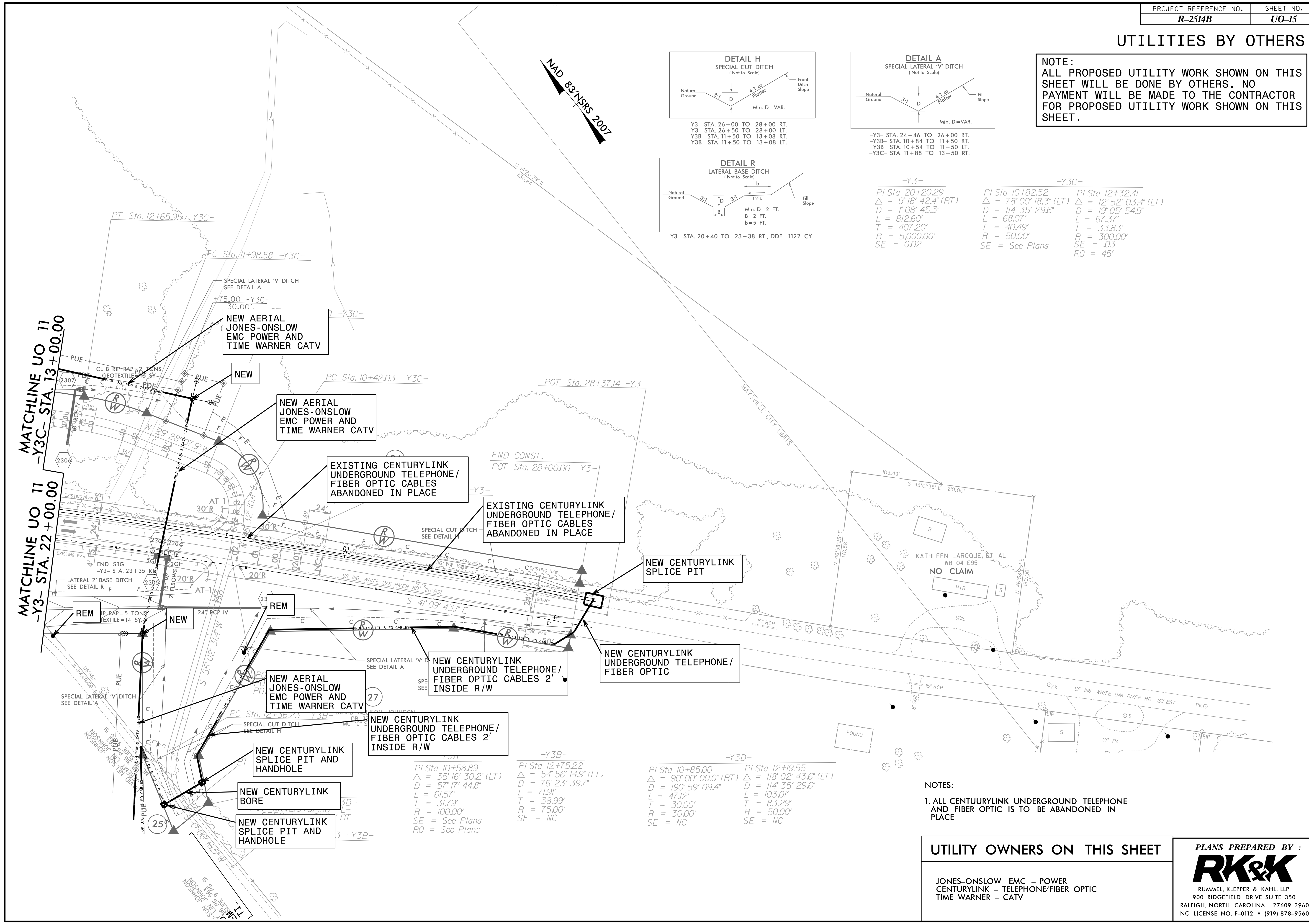
**UTILITIES BY OTHERS**

**NOTE:**  
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**-Y3-**  
 PI Sta 20+20.29  
 $\Delta = 9^{\circ}18'42.4''$  (RT)  
 $D = 1^{\circ}08'45.3''$   
 $L = 812.60'$   
 $T = 407.20'$   
 $R = 5,000.00'$   
 $SE = 0.02$

**-Y3C-**  
 PI Sta 10+82.52  
 $\Delta = 7^{\circ}00'18.3''$  (LT)  
 $D = 11^{\circ}35'29.6''$   
 $L = 68.07'$   
 $T = 40.49'$   
 $R = 50.00'$   
 $SE = \text{See Plans}$   
 RO = 45'




**-Y3B-**  
 PI Sta 10+58.89  
 $\Delta = 35^{\circ}16'30.2''$  (LT)  
 $D = 57^{\circ}17'44.8''$   
 $L = 61.57'$   
 $T = 31.79'$   
 $R = 100.00'$   
 $SE = \text{See Plans}$   
 $RO = \text{See Plans}$

**-Y3B-**  
 PI Sta 12+75.22  
 $\Delta = 54^{\circ}56'14.9''$  (LT)  
 $D = 76^{\circ}23'39.7''$   
 $L = 71.91'$   
 $T = 38.99'$   
 $R = 75.00'$   
 $SE = \text{NC}$

**-Y3D-**  
 PI Sta 10+85.00  
 $\Delta = 90^{\circ}00'00.0''$  (RT)  
 $D = 190^{\circ}59'09.4''$   
 $L = 47.12'$   
 $T = 30.00'$   
 $R = 30.00'$   
 $SE = \text{NC}$

**-Y3D-**  
 PI Sta 12+19.55  
 $\Delta = 118^{\circ}02'43.6''$  (LT)  
 $D = 114^{\circ}35'29.6''$   
 $L = 103.01'$   
 $T = 83.29'$   
 $R = 50.00'$   
 $SE = \text{NC}$

**NOTES:**  
 1. ALL CENTURYLINK UNDERGROUND TELEPHONE AND FIBER OPTIC IS TO BE ABANDONED IN PLACE

<b>UTILITY OWNERS ON THIS SHEET</b>	<b>PLANS PREPARED BY :</b>
JONES-ONSLow EMC - POWER CENTURYLINK - TELEPHONE/FIBER OPTIC TIME WARNER - CATV	 RUMMEL, KLEPPER & KAHL, LLP 900 RIDGEFIELD DRIVE SUITE 350 RALEIGH, NORTH CAROLINA 27609-3960 NC LICENSE NO. F-0112 • (919) 878-9560