































STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

### SUMMARY OF AGGREGATE SUBGRADE/STABILIZATION

LINE	Station	Station	Aggregate Type* ASU(1/2)/ AST	Aggregate Thickness INCHES [8" for ASU(2)]	Shallow Undercut CY	Class IV Subgrade Stabilization TONS**	Geotextile for Soil Stabilization SY**	Stabilizer Aggregate TONS	Class IV Aggregate Stabilization TONS	
	CONTINGENCY		AST					500		
	CONTINGENCY		ASU	12	250	500	750			
			<b>TOTAL CY/TONS/SY:</b>			250	500	750	500	0

\*ASU(1/2) = Aggregate Subgrade (Type 1 or 2)  
 \*AST = Aggregate Stabilization  
 \*\*Total tons of "Class IV Subgrade Stabilization" and total square yards of "Geotextile for Soil Stabilization" are only the estimated quantities for ASU(1/2)/AST and may only represent a portion of the subgrade stabilization and geotextile quantities shown in the Item Sheets of the Proposal.

### SUMMARY OF GEOTEXTILE FOR PAVEMENT STABILIZATION

LINE	Station	Station	Geotextile for Pavement Stabilization SY
L	668+25	669+25	705
L	676+25	677+25	400
L	692+75	694+75	905
L	694+75	695+75	830
L	695+75	696+25	400
L	699+50	713+50	5,725
L	742+25	742+75	200
L	752+75	756+10	1,960
L	758+00	764+50	1,580
L	788+50	790+00	685
L	791+75	809+00	6,895
L	809+75	811+25	760
L	811+25	813+25	995
L	813+25	815+50	290
L	820+25	824+00	1,370
	<b>TOTAL SY:</b>		23,700

### SUMMARY OF REINFORCED SOIL SLOPES AND SLOPE EROSION CONTROL

LINE	Beginning Slope/ RSS (H:V)	Approx. Station	Ending Slope/ RSS (H:V)	Approx. Station	Location LT/RT	Reinforced Soil Slope (RSS) SY	Geocells SY	Coir Fiber Mat SY*	Matting for Erosion Control** SY
L	1.7:1	735+75	1.9:1	737+25	RT			130	
L	1.6:1	739+75	1.5:1	742+75	RT			330	
L	1.5:1	743+75	1.5:1	746+25	RT			260	
L	1.7:1	748+25	1.5:1	750+25	RT			160	
L	1.5:1	770+75	1.9:1	774+25	LT			300	
L	1.5:1	793+75	1.7:1	794+75	RT			150	
L	1.6:1	803+75	1.6:1	804+25	RT			60	
L	1.5:1	809+25	1.5:1	810+25	LT			110	
	<b>TOTAL SY:</b>					0	0	1,500	0

\*Total square yards of "Coir Fiber Mat" is only the estimated quantity for slopes steeper than 2:1 (H:V) and may only represent a portion of the coir fiber mat quantity shown in the Item Sheets of the Proposal.  
 \*\*Total square yards of "Matting for Erosion Control" is only the estimated quantity for RSS and may only represent a portion of the matting quantity shown in the Item Sheets of the Proposal.

### SUMMARY OF SUBSURFACE DRAINAGE

LINE	Station	Station	Location LT/RT/CL	Drain Type* UD/BD/SD	LF	
L	671+50	673+50	LT	SD	225	
L	725+00	729+00	LT	SD	425	
L	735+00	737+00	LT	SD	225	
L	742+50	744+00	LT	SD	175	
L	746+50	748+50	LT	SD	225	
L	775+00	783+00	LT & RT	SD	1,625	
L	827+50	829+50	LT & RT	SD	450	
L	832+50	849+50	LT & RT	SD	3,450	
	CONTINGENCY			SD	500	
	<b>TOTAL LF:</b>				7,300	
	CONTINGENCY FOR UNDERDRAINS PER DIVISION				UD	3,000
	<b>TOTAL LF:</b>				10,300	

\*UD = Underdrain  
 \*BD = Blind Drain  
 \*SD = Subsurface Drain

### SUMMARY OF ROCK PLATING

LINE	Beginning Slope (H:V)	Approx. Station	Ending Slope (H:V)	Approx. Station	Location LT/RT	Rock Plating Detail No. 1/2/3/4	Riprap Class* 1/2/B	Rock Plating SY
L	1.8:1	745+25	1.85:1	750+75	LT	4	B	2,900
L	1.5:1	815+75	1.5:1	817+75	LT	2	B	400
L	1.5:1	834+25	1.5:1	836+25	LT	3	B	600
	<b>TOTAL SY:</b>							3,900

\*Use Class 1, 2 or B riprap if riprap class is not shown for rock plating location.

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2/10/2020  
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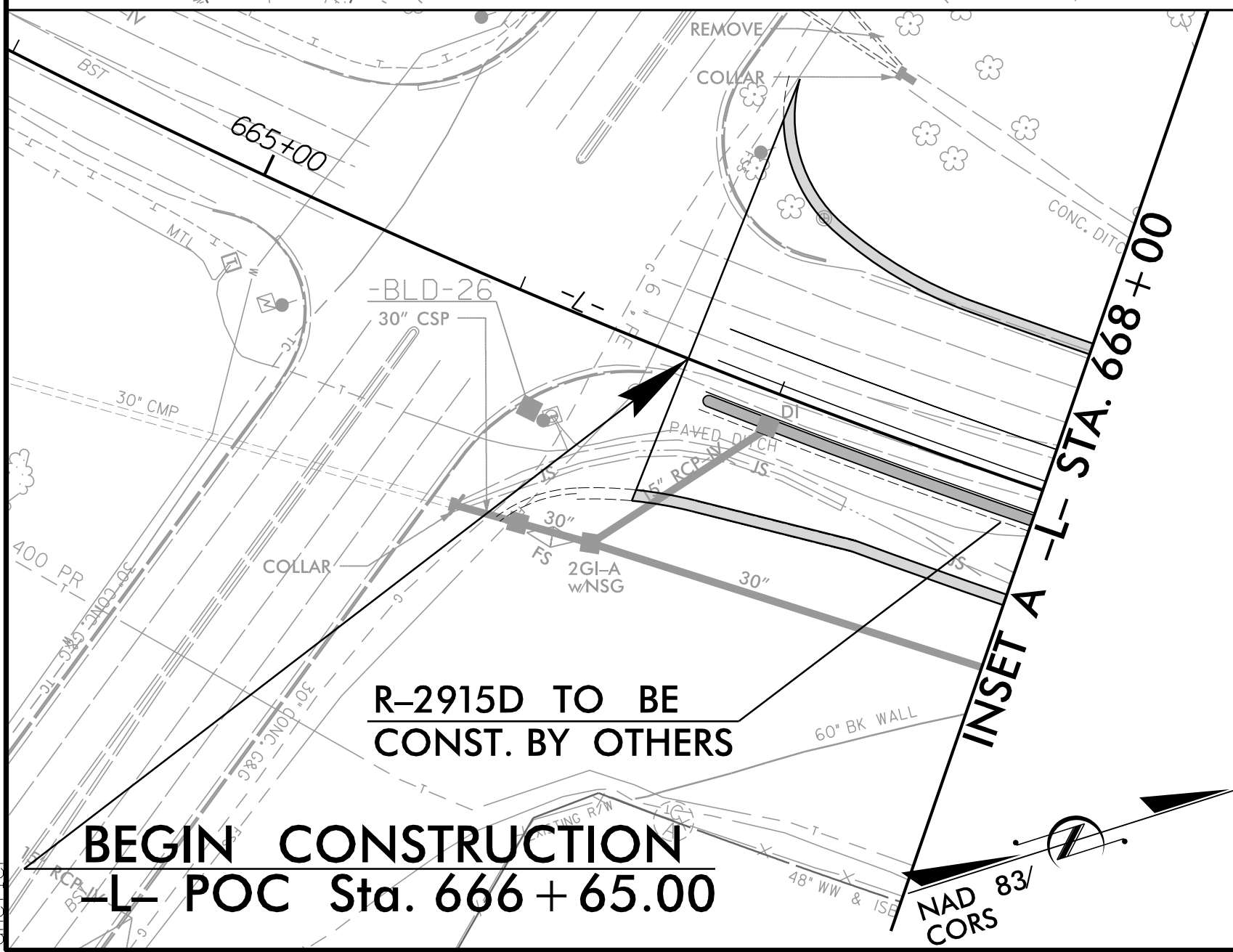
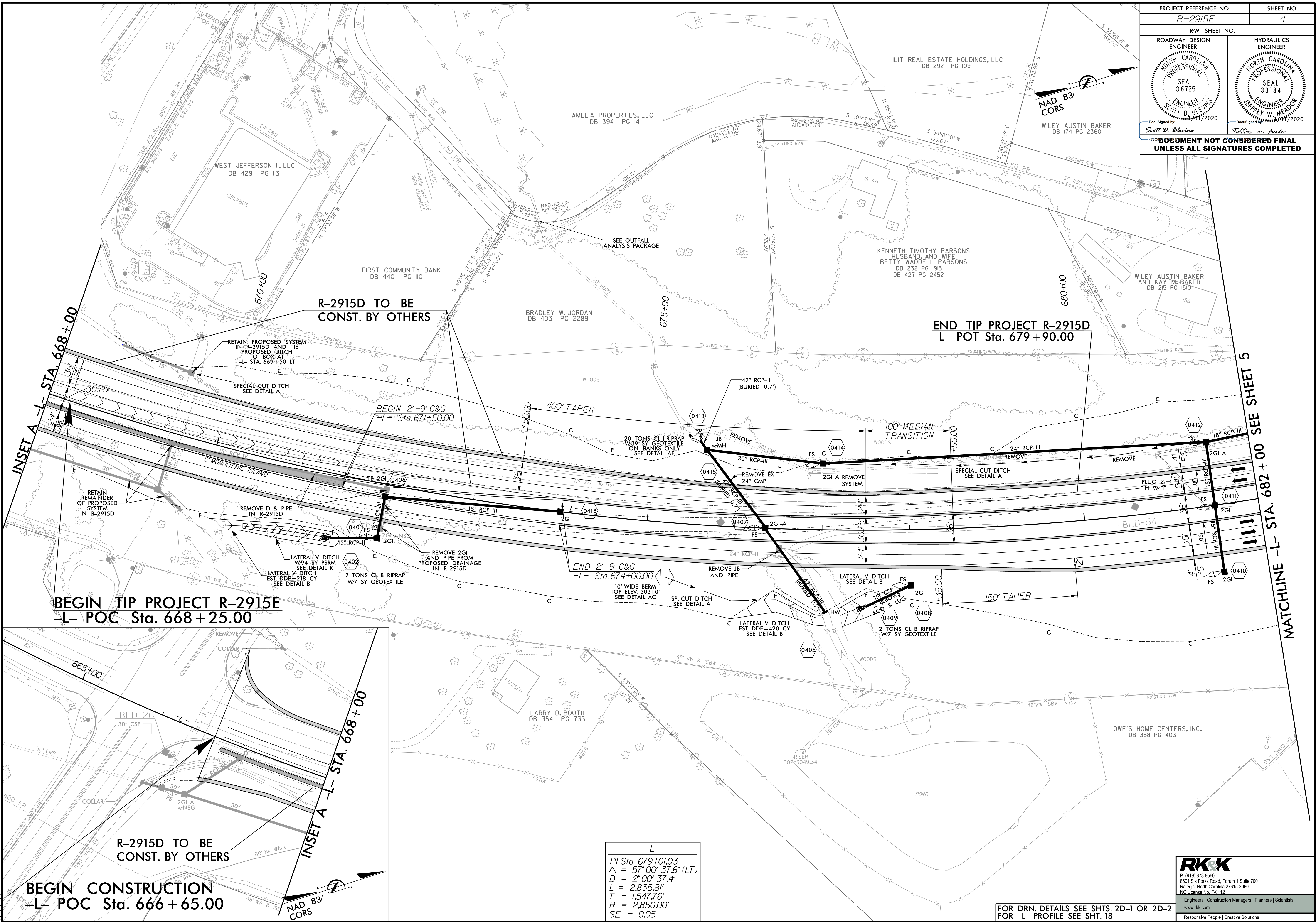
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

## PARCEL INDEX SHEET

PARCEL No.	SHEET No.	PROPERTY OWNER NAME
1	5,6	JAMES E. DUVALL AND WIFE, THELMA W. DUVAL
2	6,7	GARY AND JUDY BARE
3	7,8,9,10	JEMSITE DEVELOPMENT,LLC (40%); CHARLES R. COPE (20%); JIMMY MILLER (20%); PHIL G. STEVENS (20%)
4	9,10	JOHNNY J. SULLIVAN
5	10	ROBERT CLAYTON LONG AND WIFE, SARAH DEAN LONG
6	10	JOHNNY J. SULLIVAN AND WIFE, PHYLLIS C. SULLIVAN
7	10	TRI COUNTY PAVING, INC.
8	10	JOHNNY SULLIVAN AND WIFE, PHYLLIS SULLIVAN
9	10	REED REAL ESTATE
10	10	RUBY R. ABSHER LIVING TRUST
11	11	JOHN S. TRESKI AND WIFE, JENNIFER VANNOY TRESKI
12	11	JERRY L. BROWN
13	11,12	RODNEY TERREL MORGAN HUSBAND, AND WIFE CAMILLE MORGAN
14	13	SAMUEL B. CHURCH AND WIFE, SHIRLEY CHURCH
15	13	TRACIE JORDAN
16	13	DWIGHT C. RASH
17	13,14	JOHN F. BARE
18	14	JOSEPH RONALD GRAYBEAL, HUSBAND AND WIFE, PATRICIA BARKER GRAYBEAL
19	16	TABER M. BELL
20	17	ASHE COUNTY MEMORIAL HOSPITAL, INC.
21	17	YADKIN VALLEY BANK AND TRUST COMPANY
22	17	JOHNSTON PROPERTIES, INC.
23	11	MICHAEL ALOIA AND WIFE, CINDEE ALOIA



PROJECT REFERENCE NO. <b>R-2915E</b>	SHEET NO. <b>4</b>
R/W SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	SEAL 016725
	SEAL 33184
Documented by: <b>Scott D. Blevins</b>	Documented by: <b>Jeffrey W. Meador</b>
DATE: 12/17/2020	DATE: 12/17/2020
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	



8/17/199

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-L-

$PI\ Sta\ 679+01.03$   
 $\Delta = 57^{\circ}00'37.6\" (LT)$   
 $D = 2^{\circ}00'37.4\"$   
 $L = 2,835.81'$   
 $T = 1,547.76'$   
 $R = 2,850.00'$   
 $SE = 0.05$

FOR DRN. DETAILS SEE SHTS. 2D-1 OR 2D-2  
FOR -L- PROFILE SEE SHT. 18

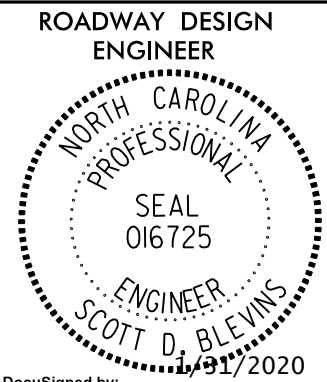
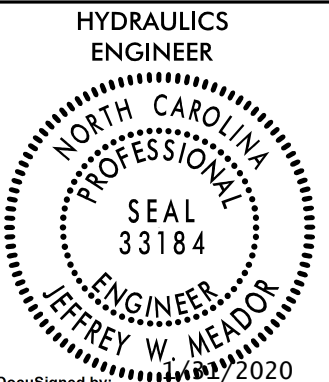
**RK&K**

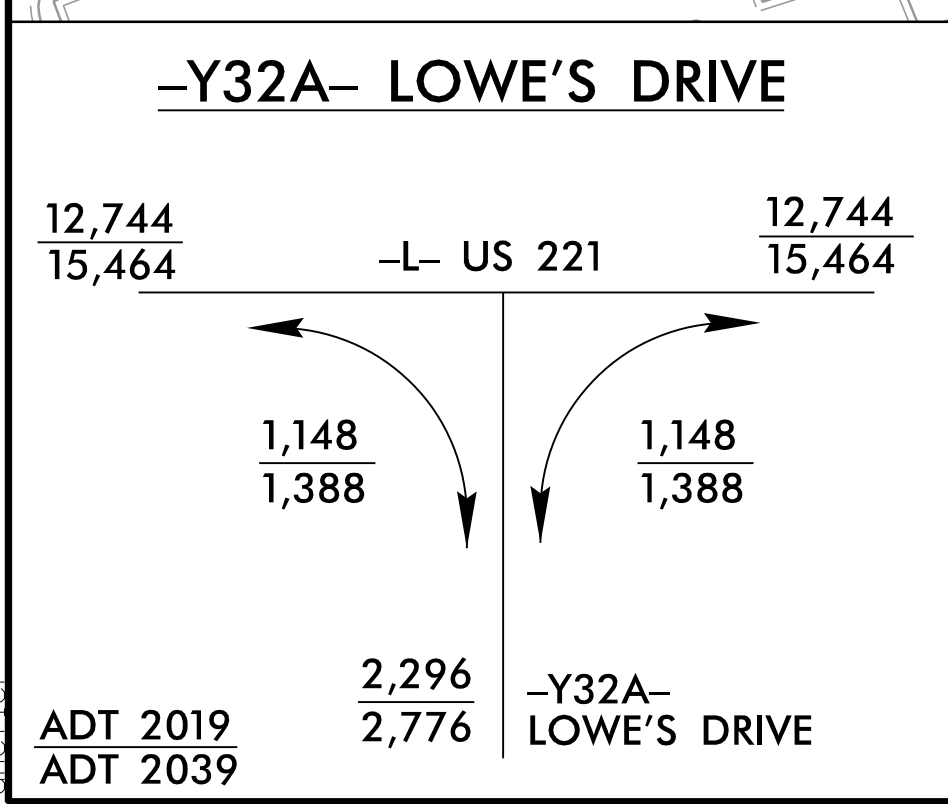
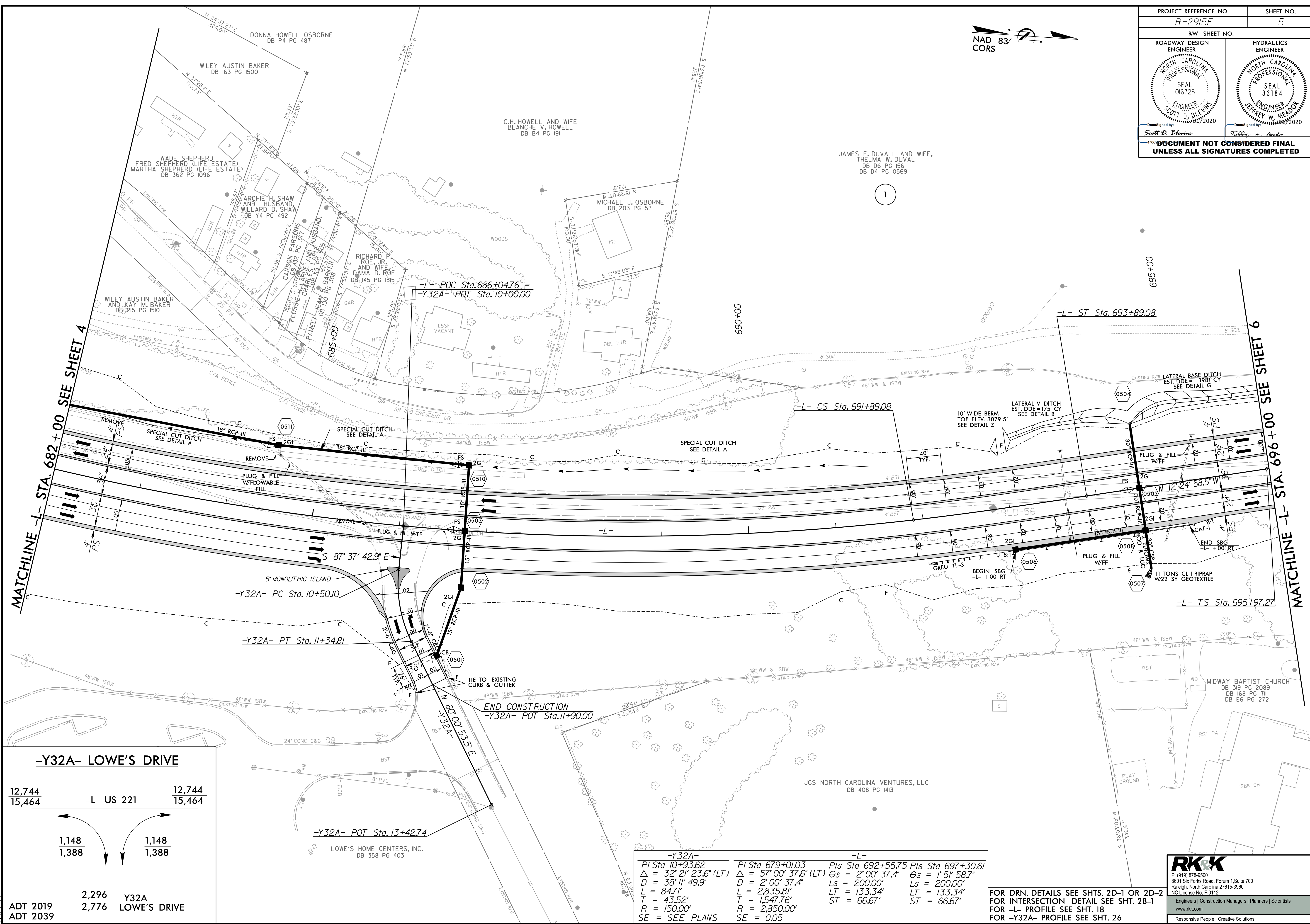
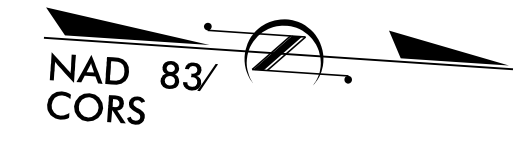
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8/17/19

PROJECT REFERENCE NO. <b>R-2915E</b>		SHEET NO. <b>5</b>	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		ENGINEER	
			
Documented by: <i>Scott D. Blevins</i>		Documented by: <i>Jeffrey W. Meador</i>	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>			



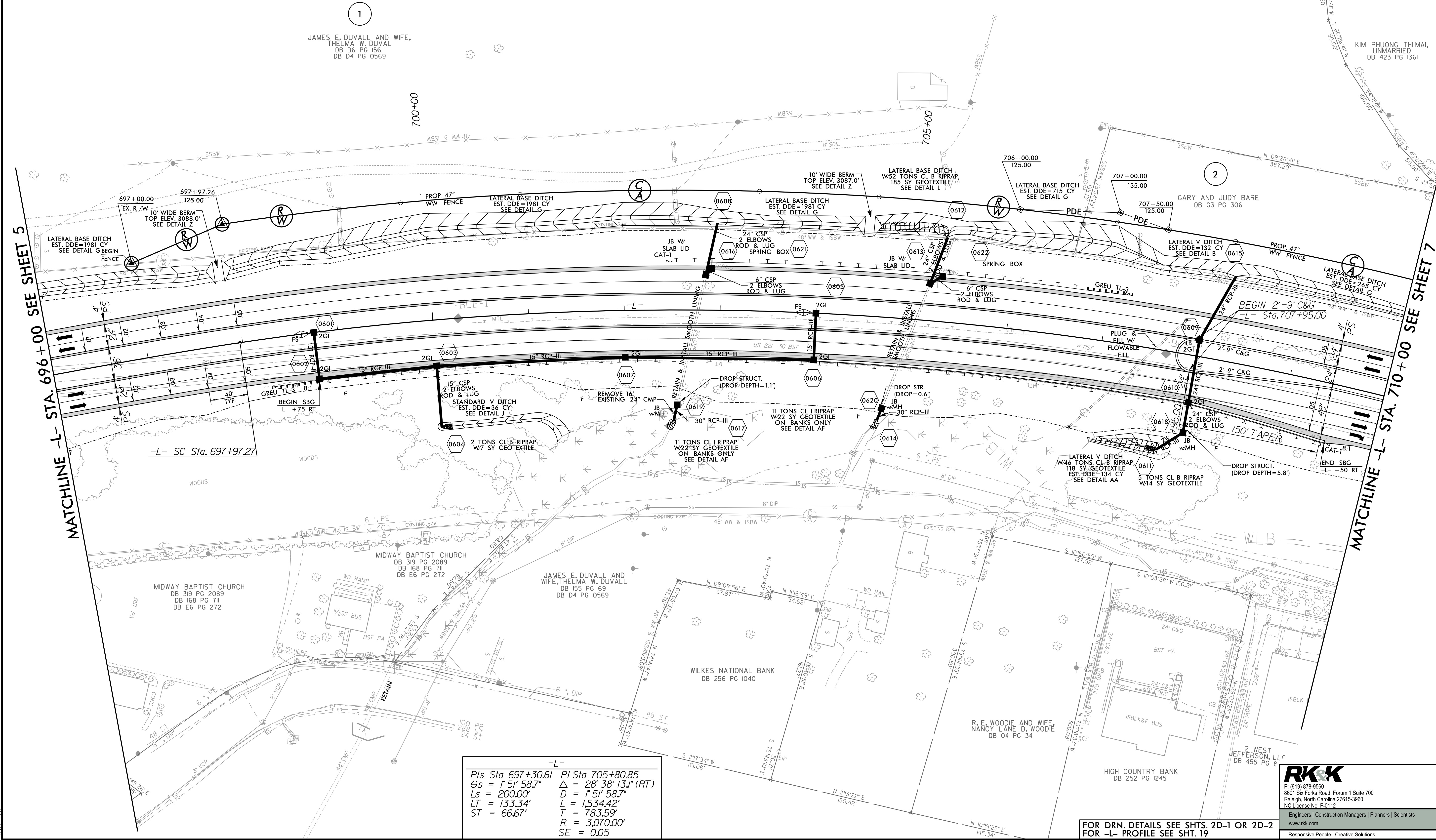
-Y32A-	-L-
PI Sta 10+93.62	PI Sta 679+01.03
$\Delta = 32' 21'' 23.6''$ (LT)	$\Delta = 57' 00'' 37.6''$ (LT)
$D = 38' 11'' 49.9''$	$D = 2' 00'' 37.4''$
$L = 84.71'$	$L_s = 2,835.81'$
$T = 43.52'$	$T = 1,547.76'$
$R = 150.00'$	$R = 2,850.00'$
SE = SEE PLANS	SE = 0.05

FOR DRN. DETAILS SEE SHTS. 2D-1 OR 2D-2  
 FOR INTERSECTION DETAIL SEE SHT. 2B-1  
 FOR -L- PROFILE SEE SHT. 18  
 FOR -Y32A- PROFILE SEE SHT. 26

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PROJECT REFERENCE NO. <b>R-2915E</b>		SHEET NO. <b>6</b>	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		NORTH CAROLINA PROFESSIONAL SEAL 016725	
ENGINEER <b>SCOTT D. BLEVINS</b> 09/1/2020		NORTH CAROLINA PROFESSIONAL SEAL 33184	
ENGINEER <b>JEFFREY W. MEADY</b> 09/1/2020			
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>			



MATCHLINE -L- STA. 696+00 SEE SHEET 5

MATCHLINE -L- STA. 710+00 SEE SHEET 7

-L-

Pls Sta 697+30.61	PI Sta 705+80.85
Os = 1' 51" 58.7"	Δ = 28' 38" 13.1" (RT)
Ls = 200.00'	D = 1' 51" 58.7"
LT = 133.34'	L = 1,534.42'
ST = 66.67'	T = 783.59'
	R = 3,070.00'
	SE = 0.05

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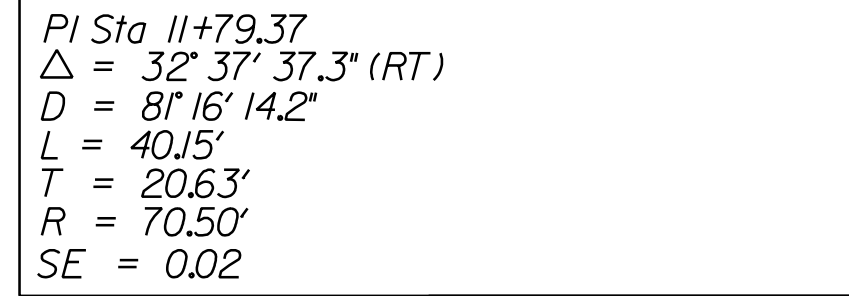
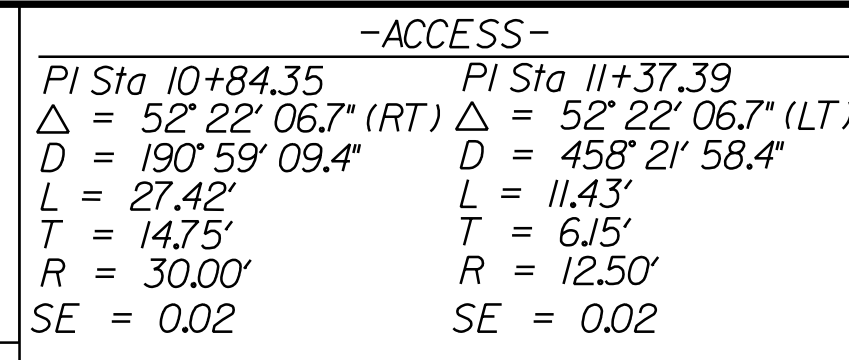
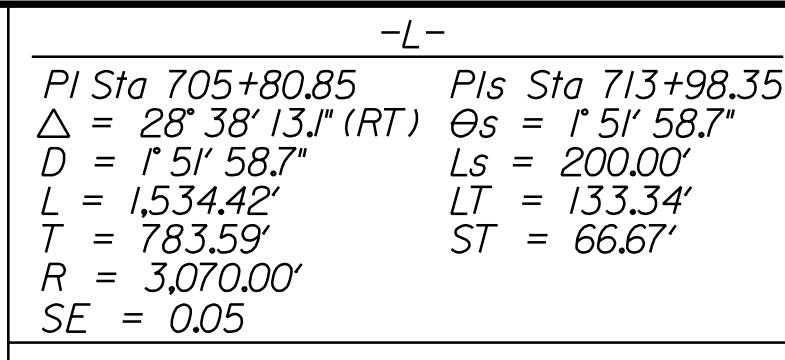
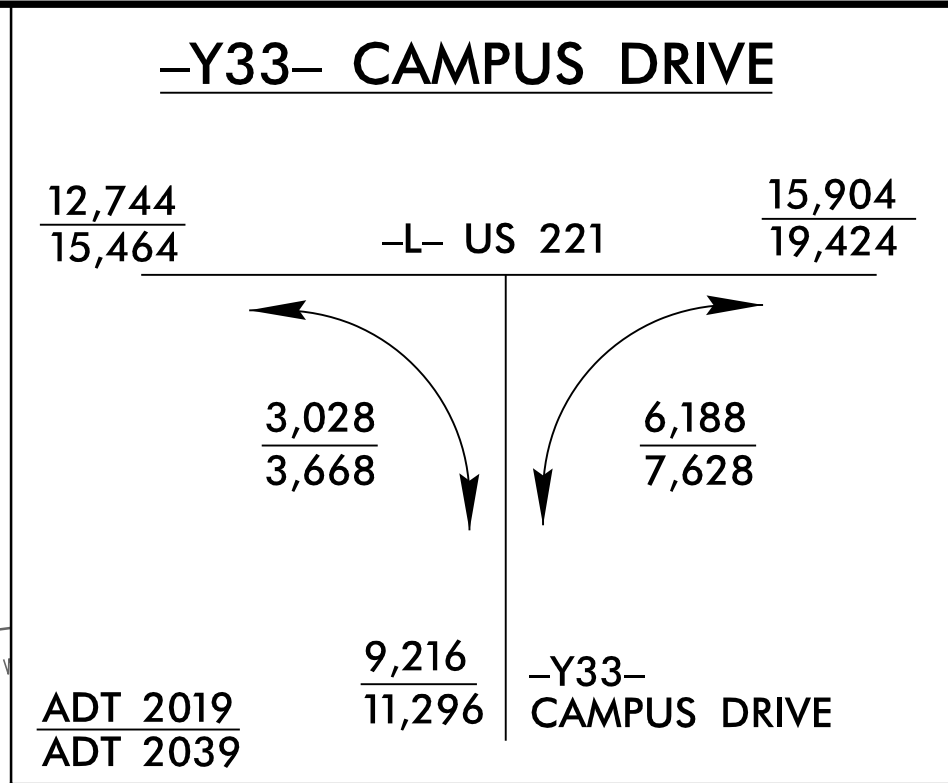
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FOR DRN DETAILS SEE SHTS. 2D-1 OR 2D-2  
FOR -L- PROFILE SEE SHT. 19

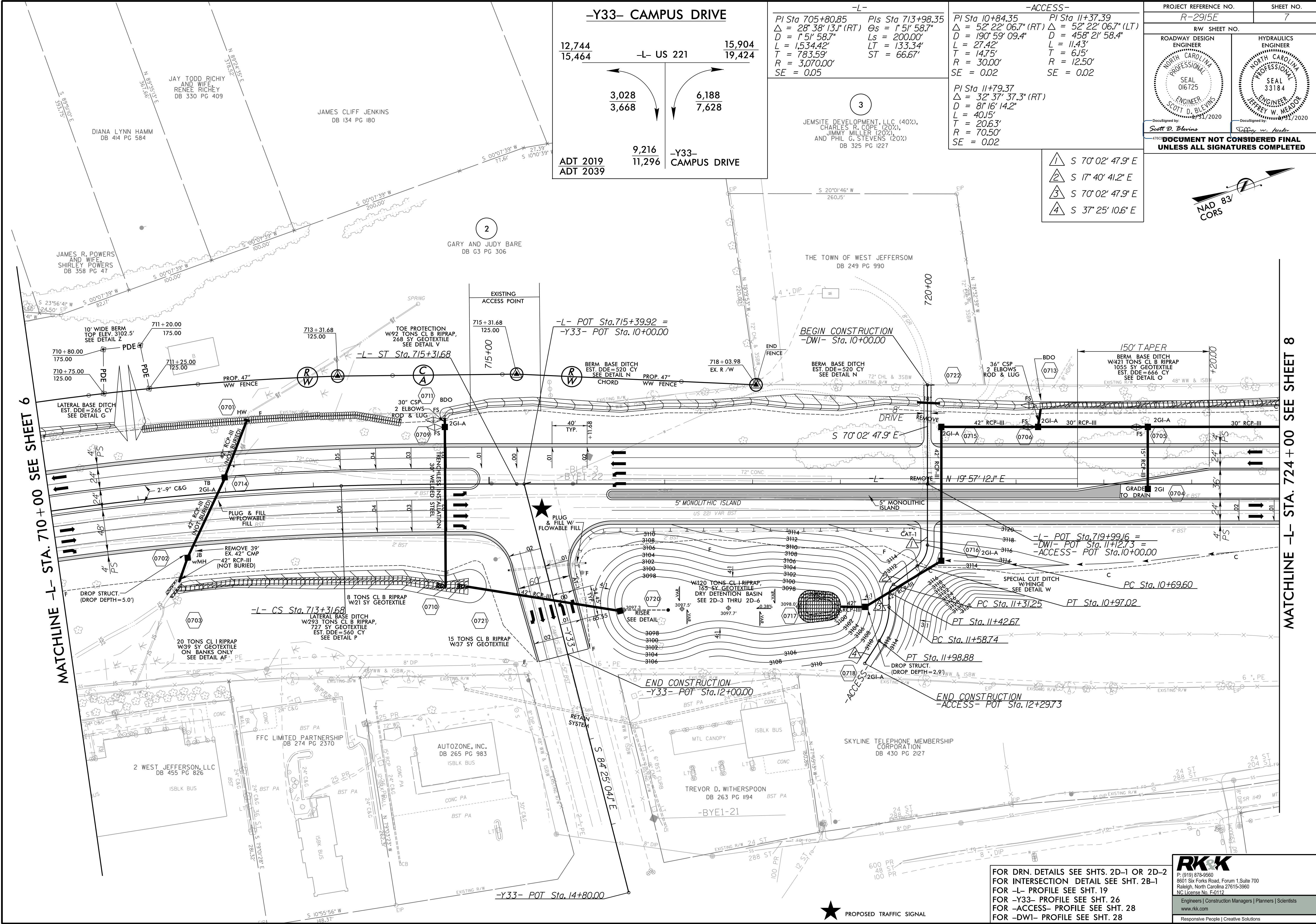
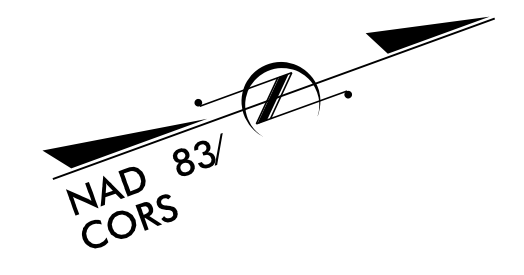


8/17/19



PROJECT REFERENCE NO. R-2915E	SHEET NO. 7
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 016725 SCOTT D. BLEVINS 09/31/2020	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 33184 JEFFREY W. MEADOWS 09/31/2020
<p>Documented by: <i>Scott D. Blevins</i></p> <p>Checked by: <i>Jeffrey W. Meadows</i></p> <p><b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b></p>	

- 1 S 70° 02' 47.9" E
- 2 S 17° 40' 41.2" E
- 3 S 70° 02' 47.9" E
- 4 S 37° 25' 10.6" E



MATCHLINE -L- STA. 710 + 00 SEE SHEET 6

MATCHLINE -L- STA. 724 + 00 SEE SHEET 8

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7/30/2020

FOR DRN. DETAILS SEE SHTS. 2D-1 OR 2D-2  
FOR INTERSECTION DETAIL SEE SHT. 2B-1  
FOR -L- PROFILE SEE SHT. 19  
FOR -Y33- PROFILE SEE SHT. 26  
FOR -ACCESS- PROFILE SEE SHT. 28  
FOR -DWI- PROFILE SEE SHT. 28

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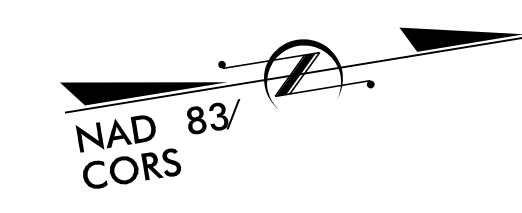




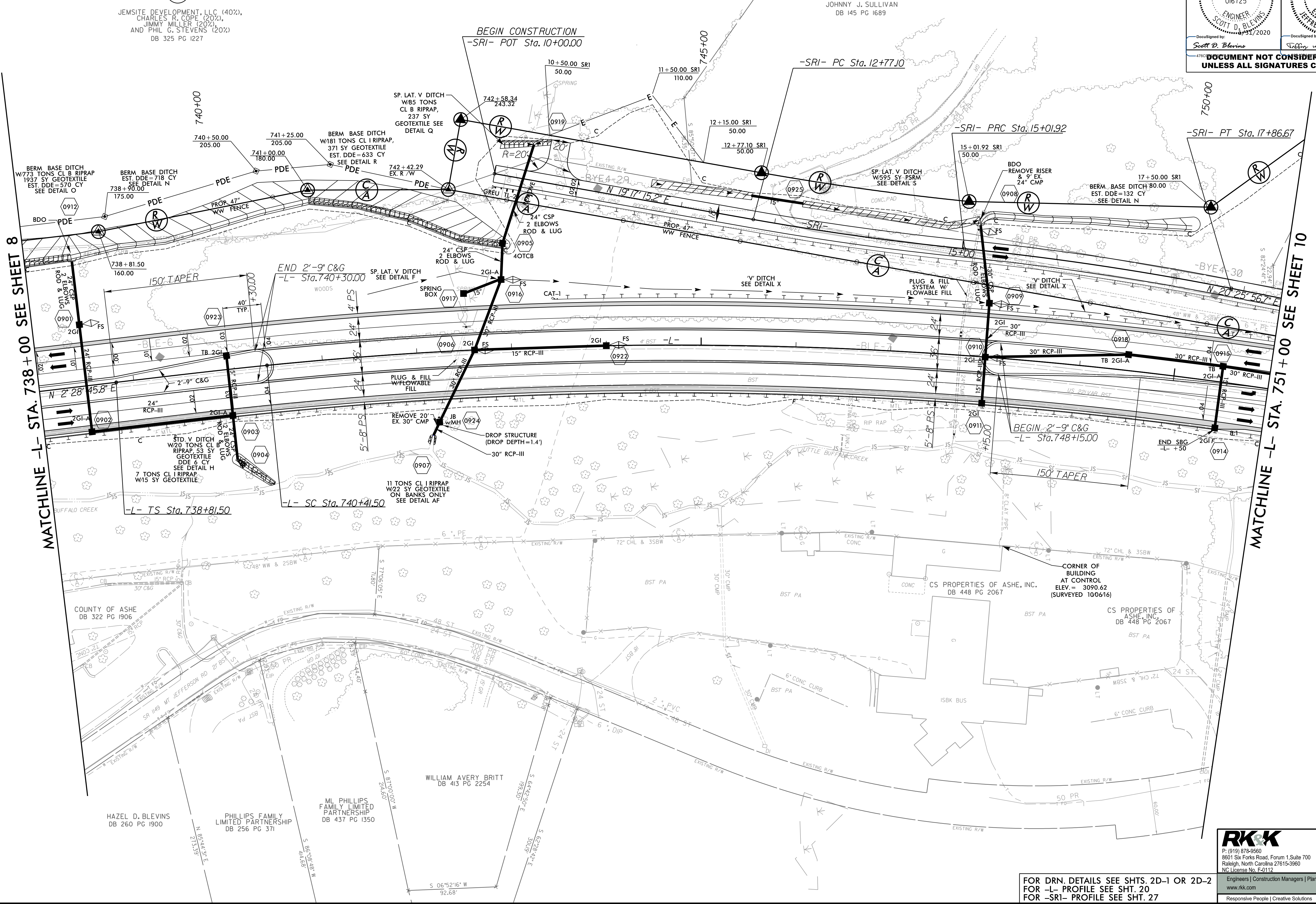


8/17/19

-L-		-SRI-	
Pls Sta 739+88.17	PI Sta 746+79.89	PI Sta 13+89.56	PI Sta 16+44.40
$\theta_s = 1'03''57.5'$	$\Delta = 16'53''20.8'$ (RT)	$\Delta = 4'17''36.8'$ (LT)	$\Delta = 5'26''18.4'$ (RT)
$L_s = 160.00'$	$D = 1'19''56.9'$	$D = 1'54''35.5'$	$D = 1'54''35.5'$
$LT = 106.67'$	$L = 1,267.51'$	$L = 224.81'$	$L = 284.76'$
$ST = 53.34'$	$T = 638.39'$	$T = 112.46'$	$T = 142.48'$
	$R = 4,300.00'$	$R = 3,000.00'$	$R = 3,000.00'$
	$SE = 0.04$	$SE = NC$	$SE = NC$



PROJECT REFERENCE NO. <b>R-2915E</b>	SHEET NO. <b>9</b>
ROADWAY DESIGN ENGINEER <b>SCOTT D. BLEVINS</b> NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 016725 12/19/2020	HYDRAULICS ENGINEER <b>JEFFREY W. NEAD</b> NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 33184 12/19/2020
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	



MATCHLINE -L- STA. 738+00 SEE SHEET 8

MATCHLINE -L- STA. 751+00 SEE SHEET 10

3  
JEMSITE DEVELOPMENT, LLC (40%),  
CHARLES R. COPE (20%),  
JIMMY MILLER (20%),  
AND PHIL G. STEVENS (20%)  
DB 325 PG 1227

4  
JOHNNY J. SULLIVAN  
DB 145 PG 1689

COUNTY OF ASHE  
DB 322 PG 1906

HAZEL D. BLEVINS  
DB 260 PG 1900

PHILLIPS FAMILY LIMITED PARTNERSHIP  
DB 256 PG 371

ML PHILLIPS FAMILY LIMITED PARTNERSHIP  
DB 437 PG 1350

WILLIAM AVERY BRITT  
DB 413 PG 2254

CS PROPERTIES OF ASHE, INC.  
DB 448 PG 2067

CORNER OF BUILDING AT CONTROL  
ELEV = 3090.62 (SURVEYED 100616)

CS PROPERTIES OF ASHE, INC.  
DB 448 PG 2067

FOR DRN. DETAILS SEE SHTS. 2D-1 OR 2D-2  
FOR -L- PROFILE SEE SHT. 20  
FOR -SRI- PROFILE SEE SHT. 27

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8/17/19

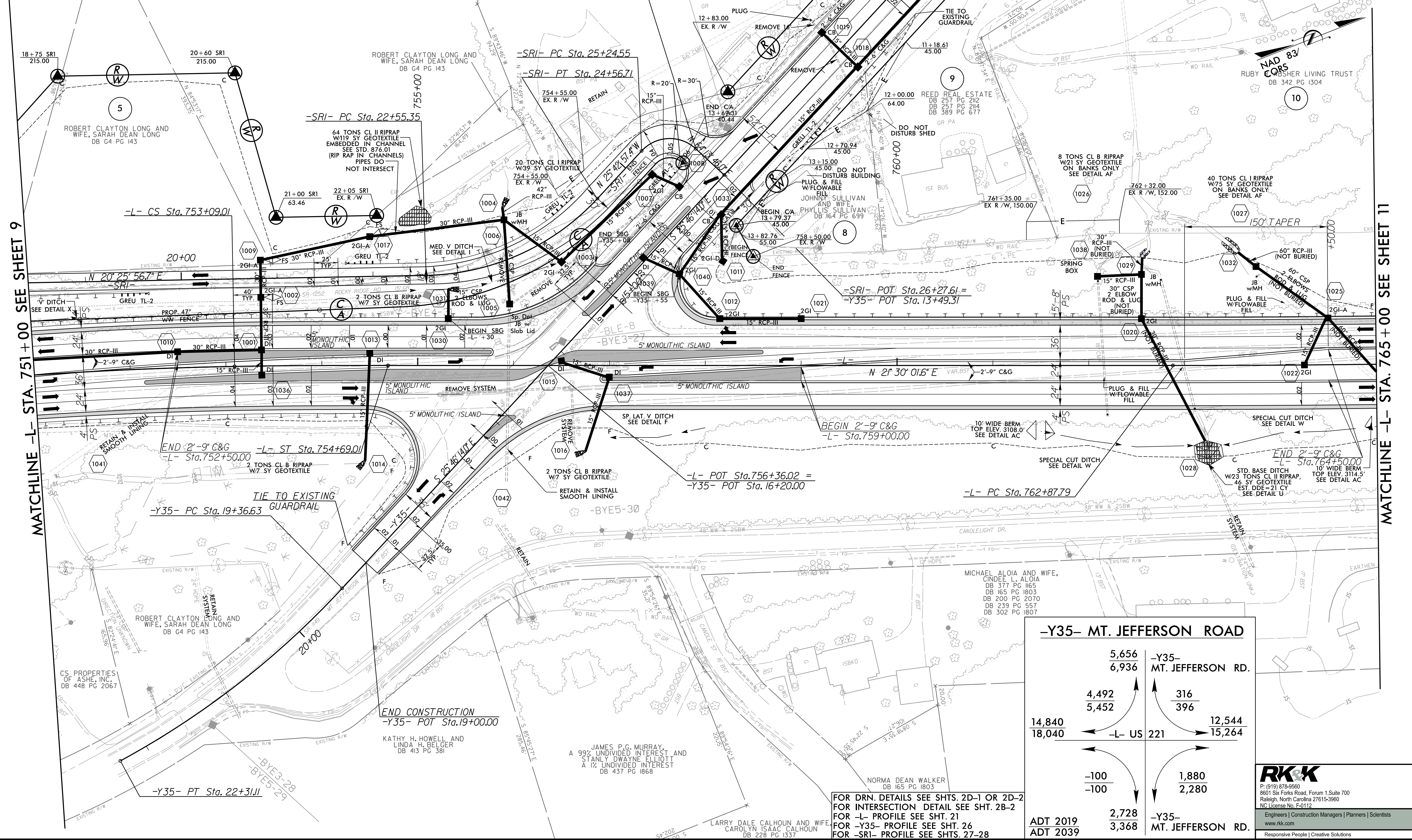
-L-		-Y35-		-SRI-	
PI Sta 746+79.88	PIs Sta 753+62.35	PI Sta 766+25.13	PI Sta 20+85.20	PI Sta 23+61.86	PI Sta 25+64.52
$\Delta = 16' 53" 20.8"$ (RT)	$\Theta_s = 1' 03" 57.5"$	$\Delta = 2' 08" 50.5"$ (LT)	$\Delta = 18' 44" 49.7"$ (RT)	$\Delta = 46' 08" 54.1"$ (LT)	$\Delta = 89' 56" 43.4"$ (RT)
$D = 1' 19" 56.9"$	$Ls = 160.00'$	$D = 0' 19" 05.9"$	$D = 6' 21" 58.3"$	$D = 22' 55" 05.9"$	$D = 143' 14" 22.0"$
$L = 1,267.51'$	$LT = 106.67'$	$L = 67.461'$	$L = 294.48'$	$L = 201.36'$	$L = 62.79'$
$T = 638.39'$	$ST = 53.34'$	$T = 337.35'$	$T = 148.57'$	$T = 106.50'$	$T = 39.96'$
$R = 4,300.00'$		$R = 18,000.00'$	$R = 900.00'$	$R = 250.00'$	$R = 40.00'$
$SE = 0.04$		$SE = NC$	$SE = SEE PLANS$	$SE = 0.04$	$SE = SEE PLANS$
			$RO = 100.00'$		

JOHNNY J. SULLIVAN  
DB 145 PG 1689

JOHNNY J. SULLIVAN AND WIFE,  
PHYLLIS C. SULLIVAN  
DB 164 PG 1363

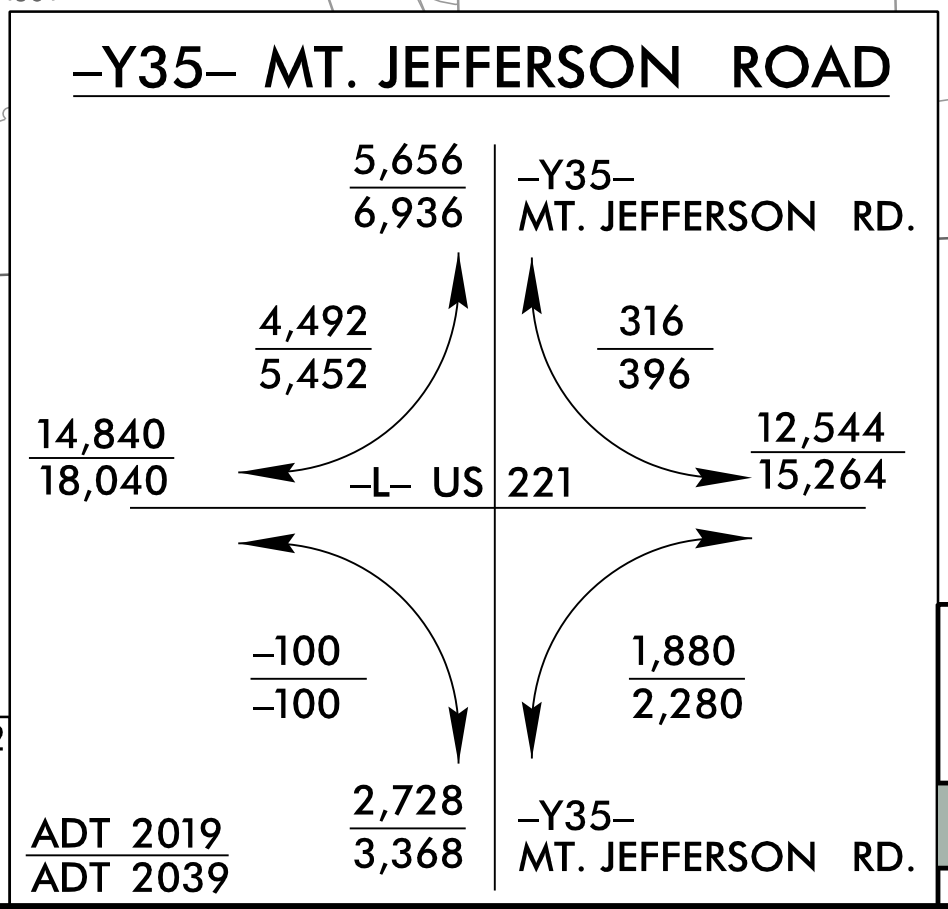
TRI COUNTY PAVING, INC.  
DB 143 PG 1035  
DB 142 PG 849  
DB 302 PG 1555

PROJECT REFERENCE NO. <b>R-2915E</b>	SHEET NO. <b>10</b>
ROADWAY DESIGN ENGINEER <b>SCOTT D. BLEVINS</b> PROFESSIONAL SEAL 016725 ENGINEER SCOTT D. BLEVINS 8/31/2020	HYDRAULICS ENGINEER <b>JEFFREY W. HEARD</b> PROFESSIONAL SEAL 33184 ENGINEER JEFFREY W. HEARD 8/31/2020
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MATCHLINE -L- STA. 751+00 SEE SHEET 9

MATCHLINE -L- STA. 765+00 SEE SHEET 11



FOR DRN. DETAILS SEE SHTS. 2D-1 OR 2D-2  
 FOR INTERSECTION DETAIL SEE SHT. 2B-2  
 FOR -L- PROFILE SEE SHT. 21  
 FOR -Y35- PROFILE SEE SHT. 26  
 FOR -SRI- PROFILE SEE SHTS. 27-28

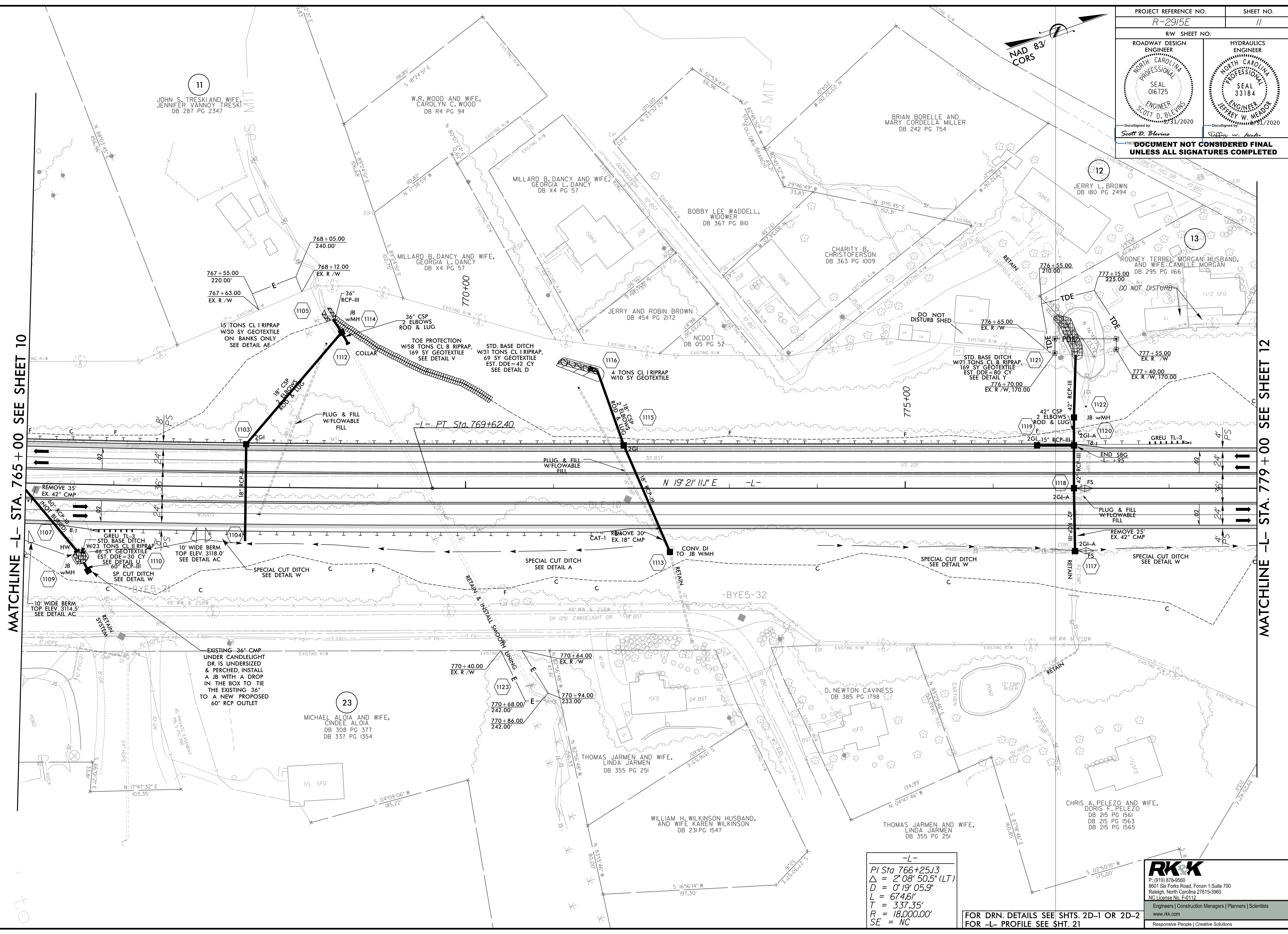
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PROJECT REFERENCE NO. <b>R-2915E</b>		SHEET NO. <b>11</b>	
ROADWAY DESIGN ENGINEER <b>SCOTT D. BLEVINS</b> NORTH CAROLINA PROFESSIONAL SEAL 016725 ENGINEER SCOTT D. BLEVINS 03/31/2020		HYDRAULICS ENGINEER <b>JEFFREY W. MEADOW</b> NORTH CAROLINA PROFESSIONAL SEAL 33184 ENGINEER JEFFREY W. MEADOW 03/31/2020	
<p>Documented by: <b>Scott D. Blevins</b></p> <p>Checked by: <b>Jeffrey W. Meadow</b></p> <p><b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b></p>			



MATCHLINE -L- STA. 765+00 SEE SHEET 10

MATCHLINE -L- STA. 779+00 SEE SHEET 12

-L-  
 PI Sta 766+25.13  
 $\Delta = 2' 08" 50.5" (LT)$   
 $D = 0' 19" 05.9"$   
 $L = 674.6'$   
 $T = 337.35'$   
 $R = 18,000.00'$   
 $SE = NC$

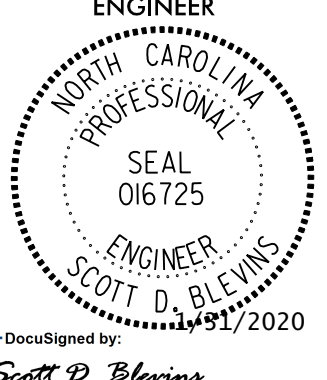
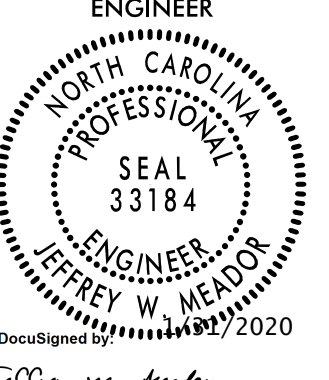
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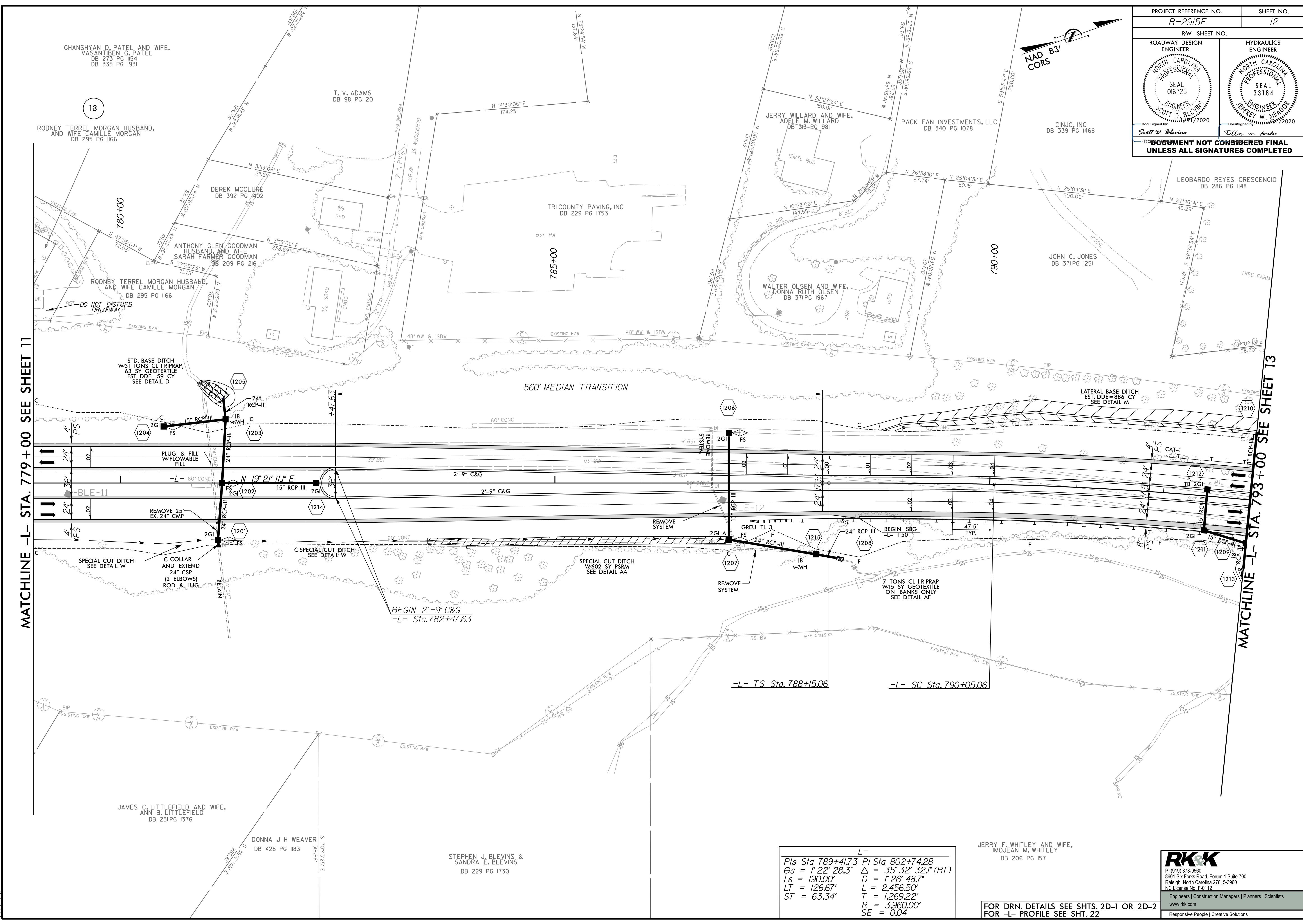
FOR DRN. DETAILS SEE SHTS. 2D-1 OR 2D-2 FOR -L- PROFILE SEE SHT. 21

1/30/2020 R:\Roadway\Proj\NR-2915E\_Rdy\_psh11.dgn



8/17/19

PROJECT REFERENCE NO. <b>R-2915E</b>		SHEET NO. <b>12</b>	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
			
Documented by: <b>Scott D. Blevins</b>		Documented by: <b>Jeffrey W. Meadows</b>	
<b>DOCUMENT NOT CONSIDERED FINAL</b> <b>UNLESS ALL SIGNATURES COMPLETED</b>			



-L-	
$Pis\ Sta\ 789+41.73$	$PI\ Sta\ 802+74.28$
$\theta_s = 1^\circ 22' 28.3"$	$\Delta = 35^\circ 32' 32.1" (RT)$
$Ls = 190.00'$	$D = 1^\circ 26' 48.7"$
$LT = 126.67'$	$L = 2,456.50'$
$ST = 63.34'$	$T = 1,269.22'$
	$R = 3,960.00'$
	$SE = 0.04$

JERRY F. WHITLEY AND WIFE,  
IMOJEAN M. WHITLEY  
DB 206 PG 157

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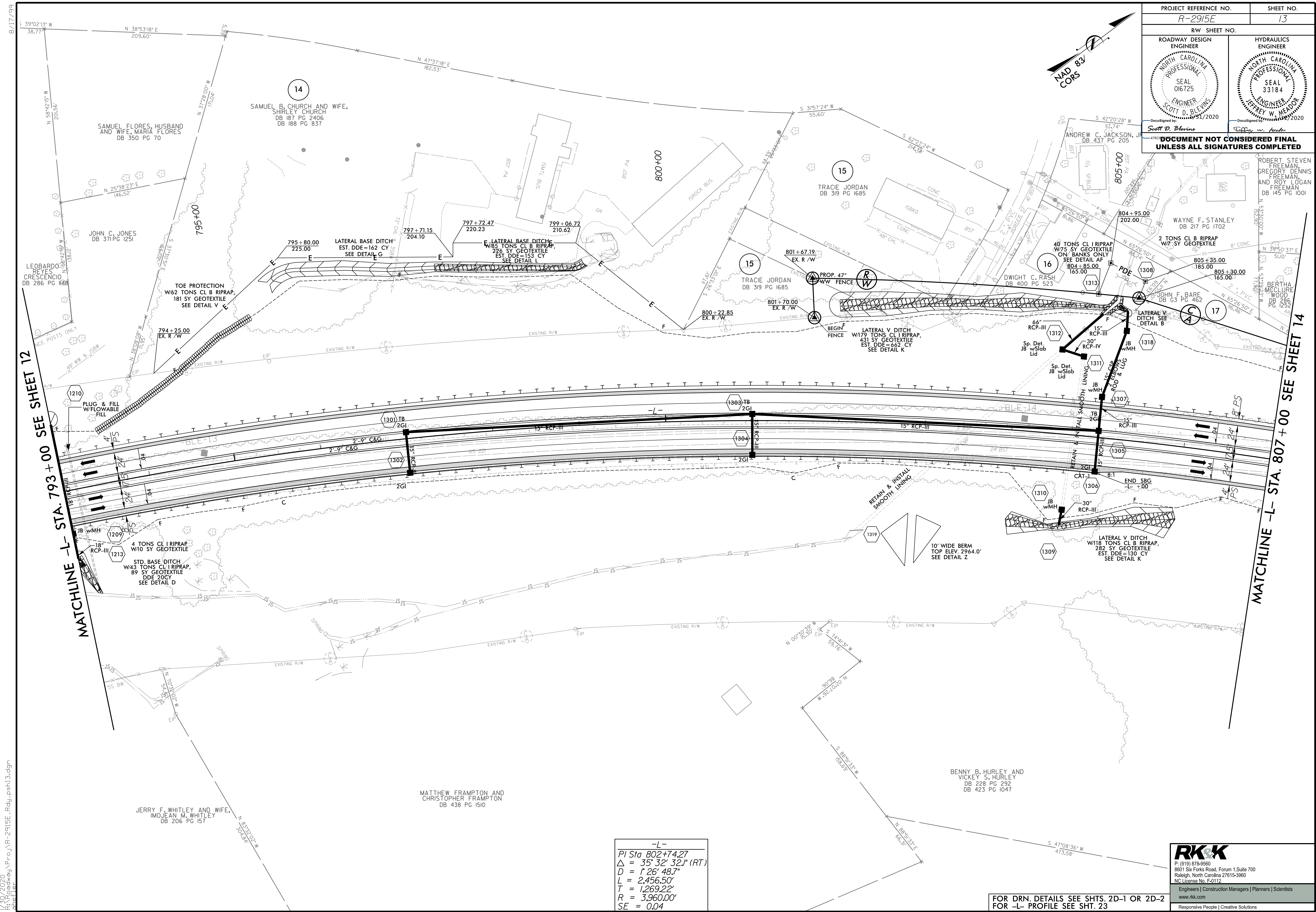
FOR DRN DETAILS SEE SHTS. 2D-1 OR 2D-2  
 FOR -L- PROFILE SEE SHT. 22

1/30/2020  
 R:\Roadway\Proj\N-2915E\_Rdy\_psh12.dgn  
 shet12.rvt



PROJECT REFERENCE NO. <b>R-2915E</b>		SHEET NO. <b>13</b>	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		NORTH CAROLINA PROFESSIONAL SEAL 016725 SCOTT D. BLEVINS ENGINEER 09/1/2020	
NORTH CAROLINA PROFESSIONAL SEAL 33184 JEFFREY W. MEADOR ENGINEER 09/1/2020		NORTH CAROLINA PROFESSIONAL SEAL 33184 JEFFREY W. MEADOR ENGINEER 09/1/2020	

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UNLESS ALL SIGNATURES COMPLETED**



MATCHLINE -L- STA. 793+00 SEE SHEET 12

MATCHLINE -L- STA. 807+00 SEE SHEET 14

-L-  
 PI Sta 802+74.27  
 $\Delta = 35^{\circ} 32' 32''$  (RT)  
 $D = 1' 26' 48.7''$   
 $L = 2,456.50'$   
 $T = 1,269.22'$   
 $R = 3,960.00'$   
 $SE = 0.04$

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FOR DRN. DETAILS SEE SHTS. 2D-1 OR 2D-2  
FOR -L- PROFILE SEE SHT. 23

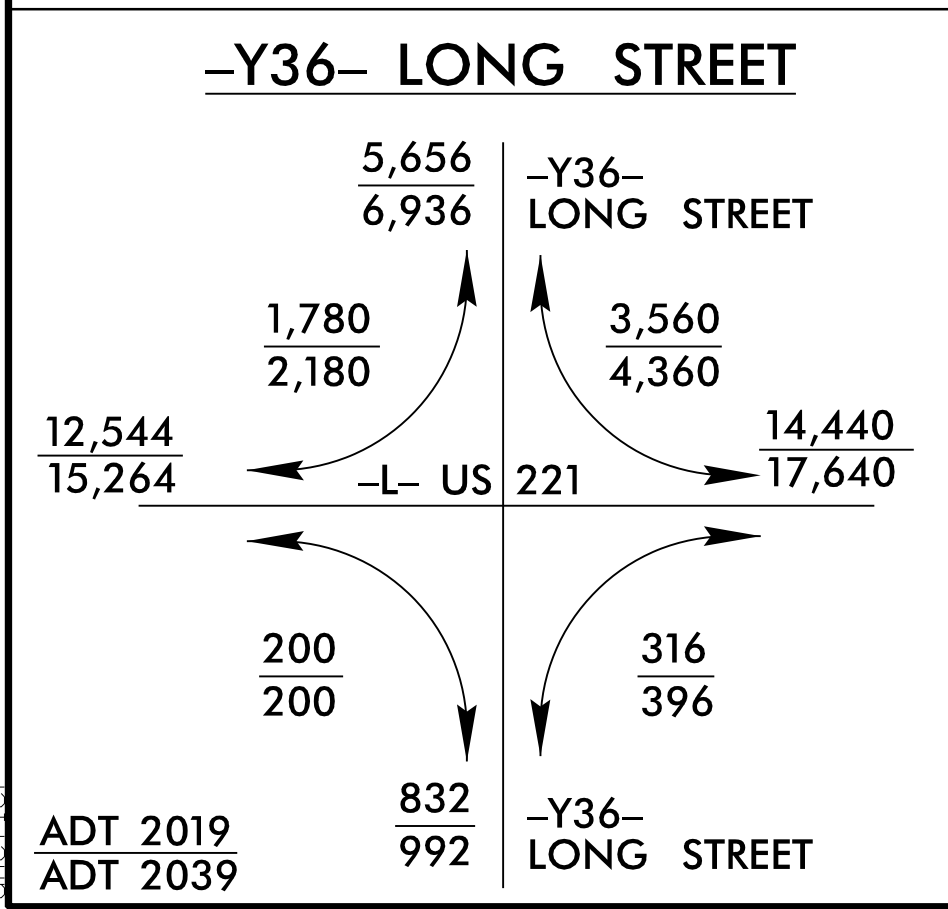
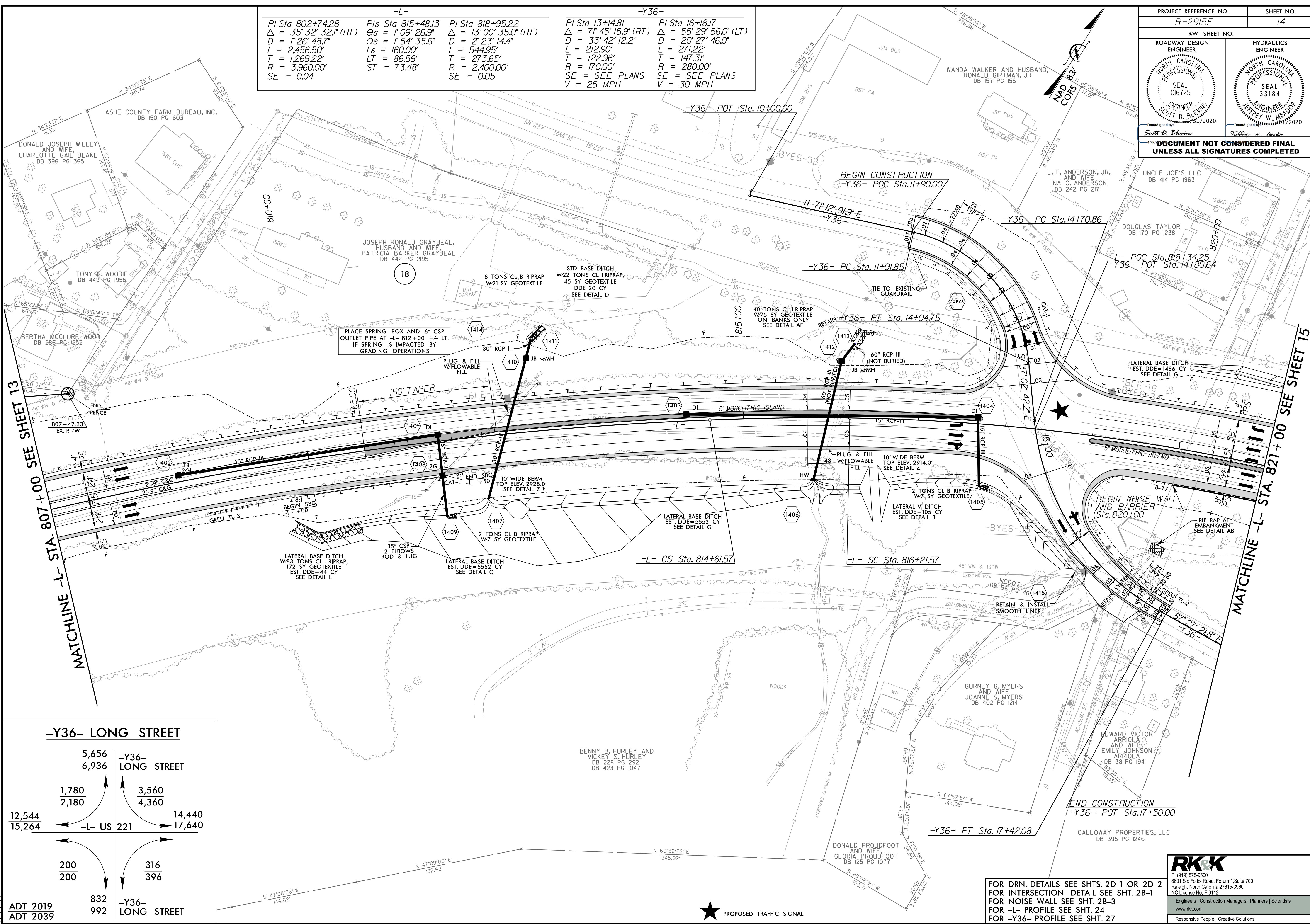
1/30/2020 R:\Roadway\Proj\NR-2915E\_Rdy\_psh13.dgn



8/17/19

-L-			-Y36-		
PI Sta 802+74.28	PIs Sta 815+48.13	PI Sta 818+95.22	PI Sta 13+14.81	PI Sta 16+18.17	
$\Delta = 35^{\circ}32'32.1''$ (RT)	$\Theta_s = 1^{\circ}09'26.9''$	$\Delta = 15^{\circ}00'35.0''$ (RT)	$\Delta = 71^{\circ}45'15.9''$ (RT)	$\Delta = 55^{\circ}29'56.0''$ (LT)	
$D = 1^{\circ}26'48.7''$	$\Theta_s = 1^{\circ}54'35.6''$	$D = 2^{\circ}23'14.4''$	$D = 33^{\circ}42'12.2''$	$D = 20^{\circ}27'46.0''$	
$L = 2,456.50'$	$L_s = 160.00'$	$L = 544.95'$	$L = 212.90'$	$L = 271.22'$	
$T = 1,269.22'$	$LT = 86.56'$	$T = 273.65'$	$T = 122.96'$	$T = 147.31'$	
$R = 3,960.00'$	$ST = 73.48'$	$R = 2,400.00'$	$R = 170.00'$	$R = 280.00'$	
$SE = 0.04$		$SE = 0.05$	$SE = \text{SEE PLANS}$	$SE = \text{SEE PLANS}$	
			$V = 25 \text{ MPH}$	$V = 30 \text{ MPH}$	

PROJECT REFERENCE NO. <b>R-2915E</b>	SHEET NO. <b>14</b>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DocuSigned by: <b>Scott D. Blivins</b>	DocuSigned by: <b>Jeffrey W. Meadows</b>
<b>DOCUMENT NOT CONSIDERED FINAL</b>	
<b>UNLESS ALL SIGNATURES COMPLETED</b>	



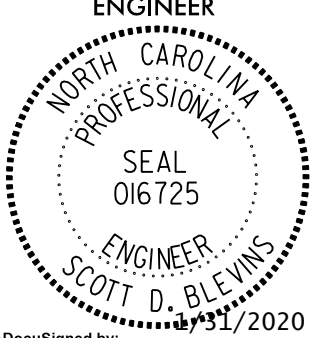

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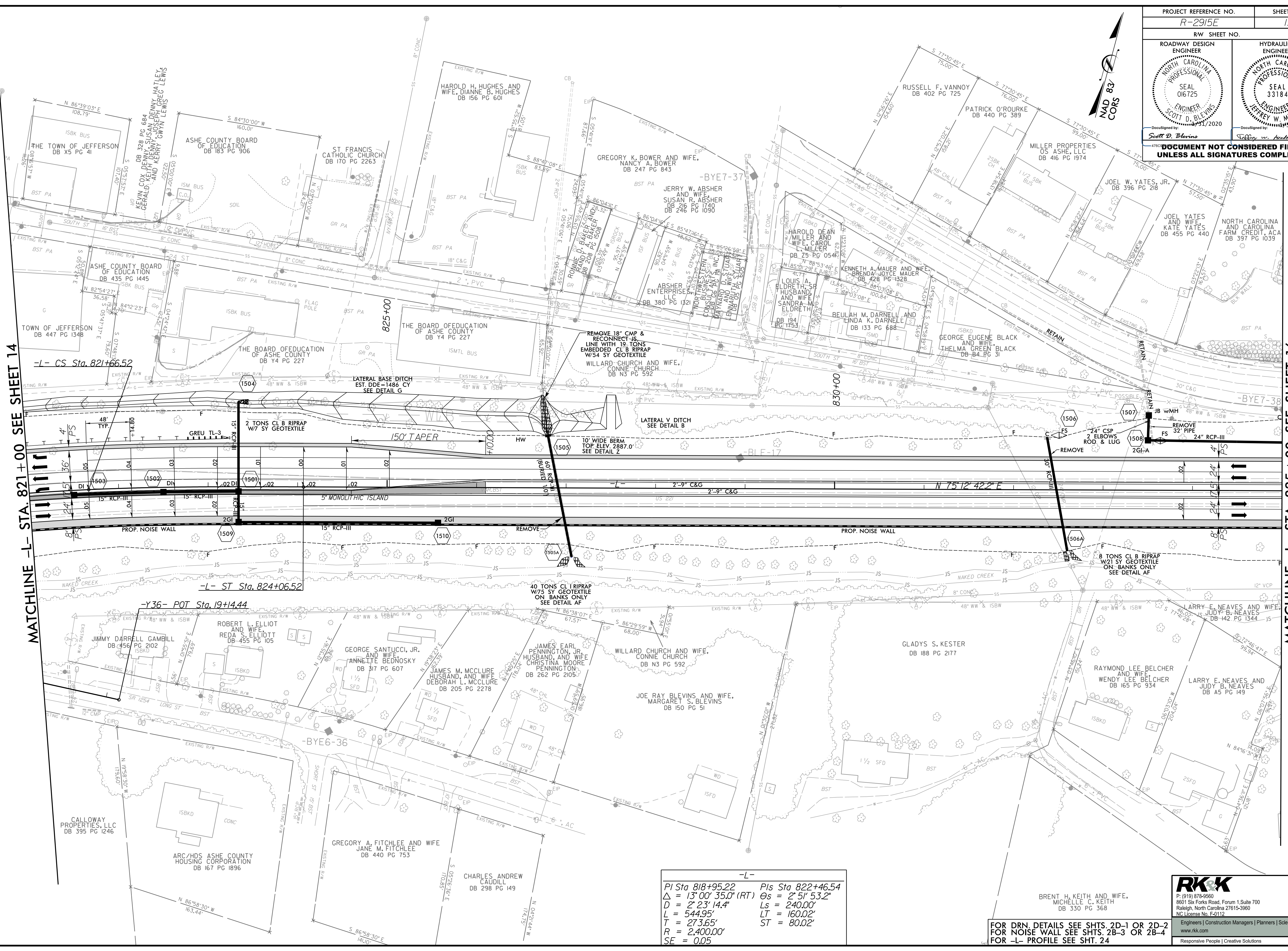
FOR DRN. DETAILS SEE SHTS. 2D-1 OR 2D-2  
 FOR INTERSECTION DETAIL SEE SHT. 2B-1  
 FOR NOISE WALL SEE SHT. 2B-3  
 FOR -L- PROFILE SEE SHT. 24  
 FOR -Y36- PROFILE SEE SHT. 27

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8/17/19

PROJECT REFERENCE NO. <b>R-2915E</b>		SHEET NO. <b>15</b>	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
			
DocuSigned by: <b>Scott D. Blevis</b>		DocuSigned by: <b>Jeffrey W. Neader</b>	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>			



MATCHLINE -L- STA. 821+00 SEE SHEET 14

MATCHLINE -L- STA. 835+00 SEE SHEET 16

-L- CS Sta. 821+66.52

-L- ST Sta. 824+06.52

-Y36- POT Sta. 19+14.44

-L-

$P/1$ Sta 818+95.22	$P/1$ Sta 822+46.54
$\Delta = 13^{\circ}00'35.0"$ (RT)	$\theta_s = 2^{\circ}51'53.2"$
$D = 2^{\circ}23'14.4"$	$L_s = 240.00'$
$L = 544.95'$	$LT = 160.02'$
$T = 273.65'$	$ST = 80.02'$
$R = 2,400.00'$	
$SE = 0.05$	

FOR DRN DETAILS SEE SHTS. 2D-1 OR 2D-2  
FOR NOISE WALL SEE SHTS. 2B-3 OR 2B-4  
FOR -L- PROFILE SEE SHT. 24



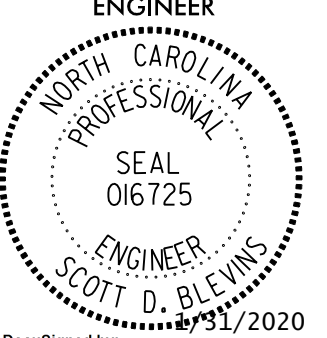

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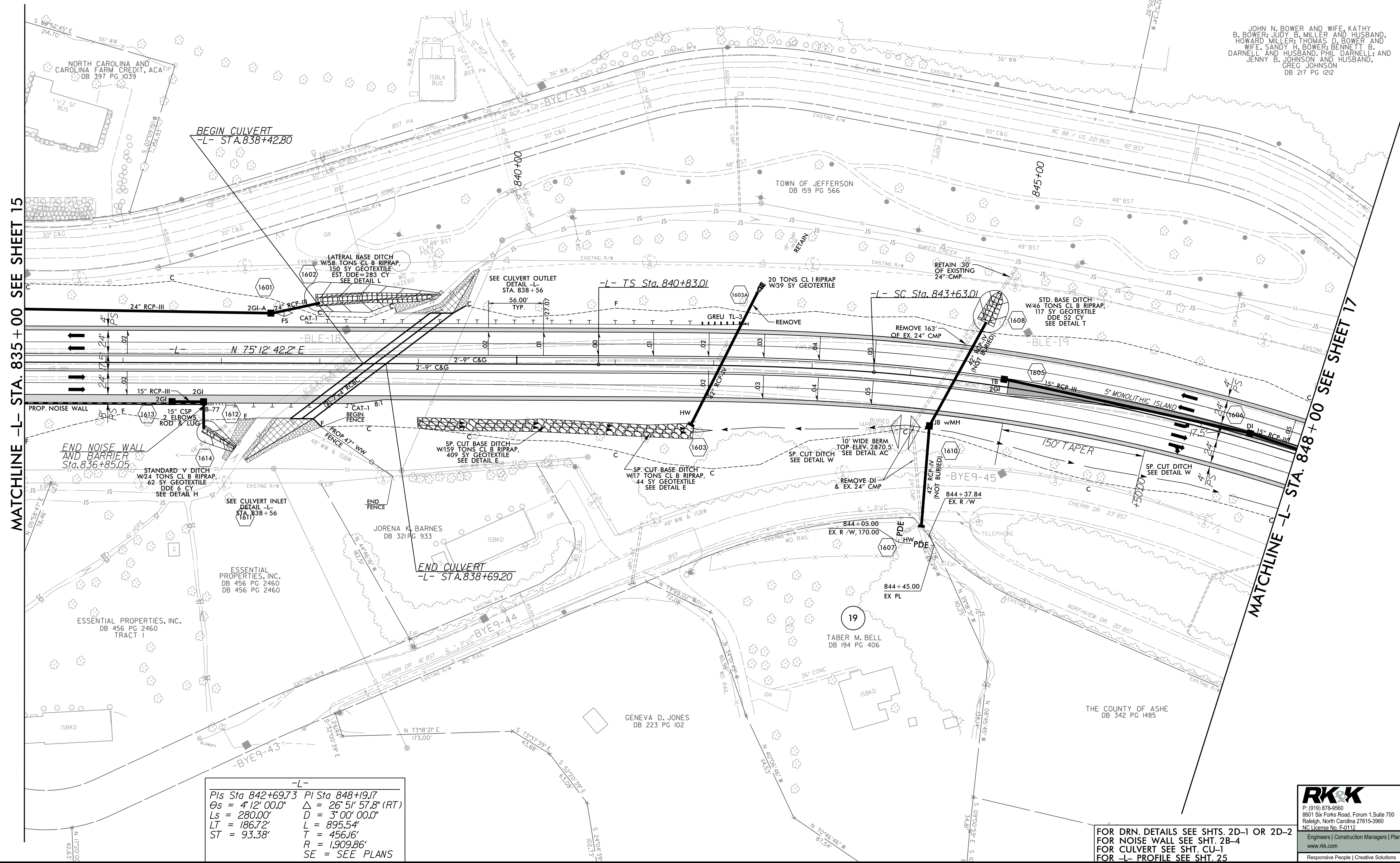
8/17/19

PROJECT REFERENCE NO. <b>R-2915E</b>		SHEET NO. <b>16</b>	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
 SEAL 016725 SCOTT D. BLEVINS ENGINEER 8/31/2020		 SEAL 33184 JEFFREY W. MEADOR ENGINEER 8/31/2020	
Documented by: <b>Scott D. Blevins</b> DocuSigned by: <b>Jeffrey W. Meador</b> <b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>			



JENNIE W. HIGHTOWER, EMILY H. JOHNSTON AND JOSEPH E. HIGHTOWER  
DB 343 PG 1044

JOHN N. BOWER AND WIFE, KATHY B. BOWER; JUDY B. MILLER AND HUSBAND, HOWARD MILLER; THOMAS D. BOWER AND WIFE, SANDY H. BOWER; BENNETT B. DARNELL AND HUSBAND, PHIL DARNELL; AND JENNY B. JOHNSON AND HUSBAND, GREG JOHNSON  
DB 217 PG 1212



MATCHLINE -L- STA. 835+00 SEE SHEET 15

MATCHLINE -L- STA. 848+00 SEE SHEET 17

-L-	-L-
PIs Sta 842+69.73	PI Sta 848+19.17
Θs = 4° 12' 00.0"	Δ = 26° 51' 57.8" (RT)
Ls = 280.00'	D = 3° 00' 00.0"
LT = 186.72'	L = 895.54'
ST = 93.38'	L = 456.16'
	R = 1,909.86'
	SE = SEE PLANS

FOR DRN. DETAILS SEE SHTS. 2D-1 OR 2D-2  
FOR NOISE WALL SEE SHT. 2B-4  
FOR CULVERT SEE SHT. CU-1  
FOR -L- PROFILE SEE SHT. 25



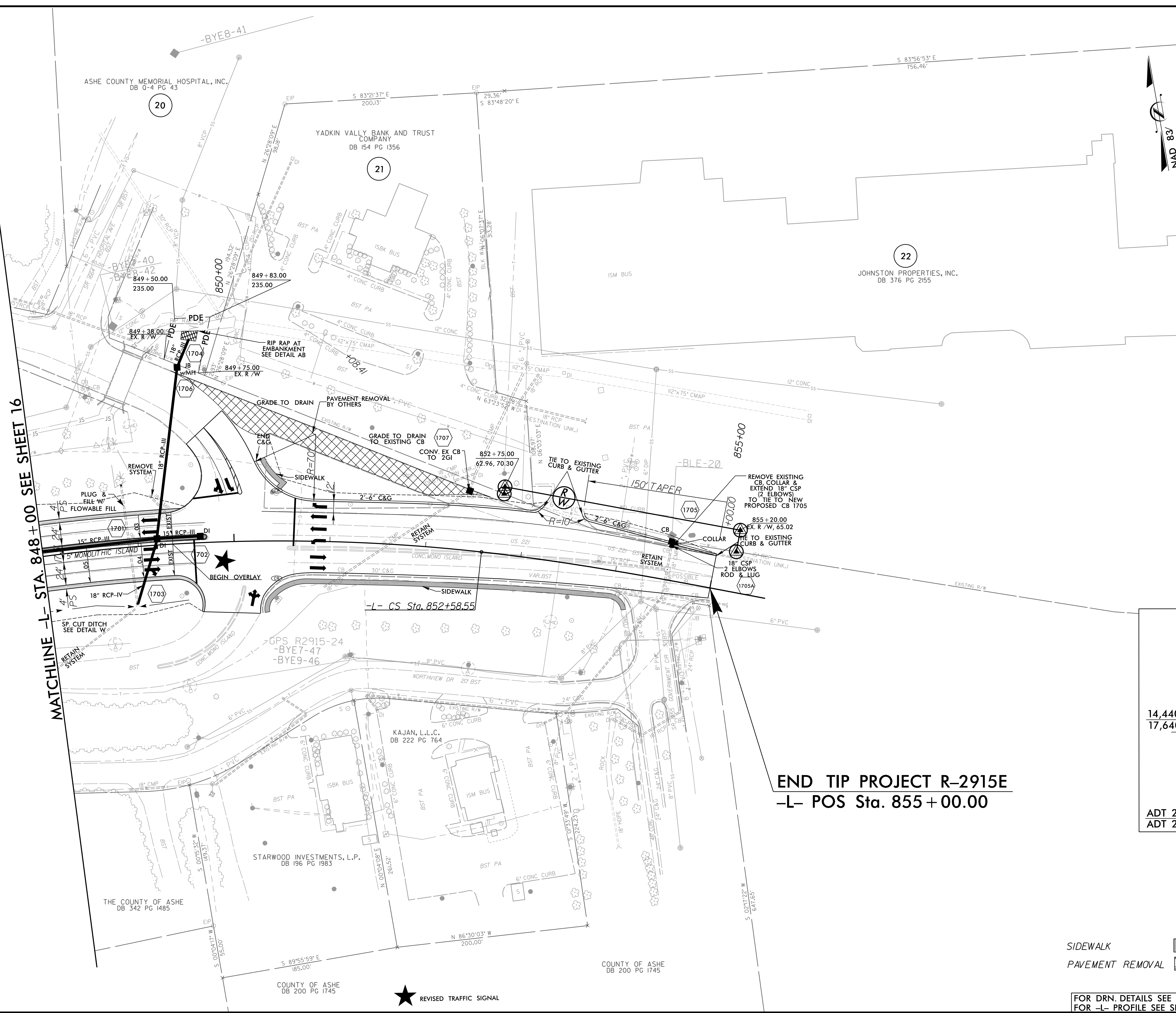
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8/17/19

PROJECT REFERENCE NO. <b>R-2915E</b>	SHEET NO. <b>17</b>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER <b>SCOTT D. BLEVINS</b> NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 016725 12/1/2020	HYDRAULICS ENGINEER <b>JEFFREY W. MEADOR</b> NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 33184 12/1/2020
Documented by: <b>Scott D. Blevins</b> Signed by: <b>Jeffrey W. Meador</b> <b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	



CHERRY DRIVE-NC88			
	8,584	10,504	NC88
	1,564	1,884	6804
14,440			8324
17,640	-L- US 221		19,464
			23,784
	416	200	
	496	200	
ADT 2019	832		CHERRY DRIVE
ADT 2039	992		

$PI\ Sta\ 848+19.17$        $PIs\ Sta\ 853+58.60$   
 $\Delta = 26' 51'' 57.8'' (RT)$        $\Theta s = 4' 29'' 58.92''$   
 $D = 3' 00'' 00.0''$        $Ls = 299.98'$   
 $L = 895.54'$        $LT = 200.05'$   
 $T = 456.16'$        $ST = 100.05'$   
 $R = 1,909.86'$   
 $SE = SEE PLANS$

**END TIP PROJECT R-2915E**  
**-L- POS Sta. 855+00.00**

1/30/2020 R:\Roadway\Proj\N-2915E\_Rdly\_psh17.dgn

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SIDEWALK  
 PAVEMENT REMOVAL

FOR DRN. DETAILS SEE SHT. 2D-2  
FOR -L- PROFILE SEE SHT. 25

★ REVISED TRAFFIC SIGNAL

COUNTY OF ASHE  
DB 200 PG 1745

THE COUNTY OF ASHE  
DB 342 PG 1485

STARWOOD INVESTMENTS, L.P.  
DB 196 PG 1983

KAJAN, L.L.C.  
DB 222 PG 764

GPS R2915-24  
-BYE7-47  
-BYE9-46

ASHE COUNTY MEMORIAL HOSPITAL, INC.  
DB 0-4 PG 43

YADKIN VALLEY BANK AND TRUST COMPANY  
DB 154 PG 1356

JOHNSTON PROPERTIES, INC.  
DB 376 PG 2155



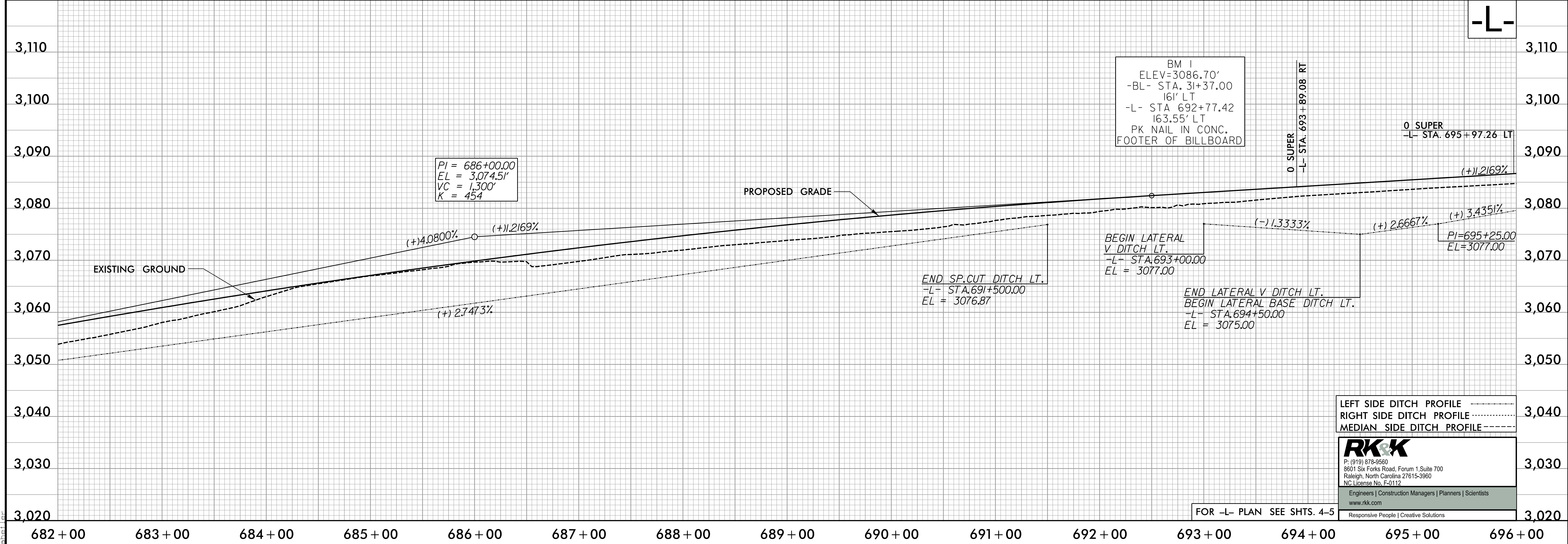
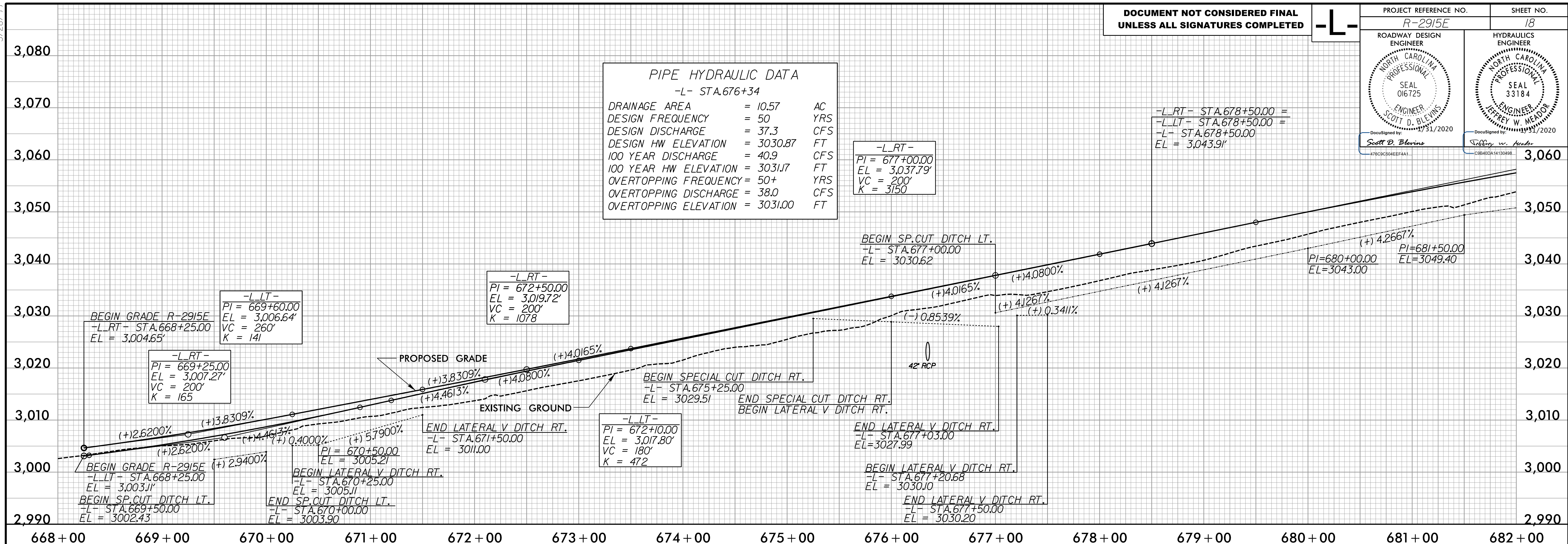
5/28/20

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UNLESS ALL SIGNATURES COMPLETED

PROJECT REFERENCE NO. <b>R-2915E</b>		SHEET NO. <b>18</b>
ROADWAY DESIGN ENGINEER <b>SCOTT D. BLEVINS</b> SEAL 016725 NORTH CAROLINA PROFESSIONAL ENGINEER 12/31/2020	HYDRAULICS ENGINEER <b>JEFFREY W. MEADY</b> SEAL 33184 NORTH CAROLINA PROFESSIONAL ENGINEER 12/31/2020	

**PIPE HYDRAULIC DATA**  
-L- STA.676+34

DRAINAGE AREA	= 10.57	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 37.3	CFS
DESIGN HW ELEVATION	= 3030.87	FT
100 YEAR DISCHARGE	= 40.9	CFS
100 YEAR HW ELEVATION	= 3031.17	FT
OVERTOPPING FREQUENCY	= 50+	YRS
OVERTOPPING DISCHARGE	= 38.0	CFS
OVERTOPPING ELEVATION	= 3031.00	FT



LEFT SIDE DITCH PROFILE  
 RIGHT SIDE DITCH PROFILE  
 MEDIAN SIDE DITCH PROFILE

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FOR -L- PLAN SEE SHTS. 4-5



5/28/2020

-L-

PROJECT REFERENCE NO. R-2915E	SHEET NO. 19
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 016725 SCOTT D. BLIVINS 07/31/2020	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 33184 JEFFREY W. MEALOR 07/31/2020

Documented by: *Scott D. Blivins*  
Checked by: *Jeffrey W. Meador*

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

**PIPE HYDRAULIC DATA**  
-L- STA.702+77

DRAINAGE AREA	= 8.66	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 24.8	CFS
DESIGN HW ELEVATION	= 3086.23	FT
100 YEAR DISCHARGE	= 27.1	CFS
100 YEAR HW ELEVATION	= 3087.44	FT
OVERTOPPING FREQUENCY	= 50+	YRS
OVERTOPPING DISCHARGE	= 26.3	CFS
OVERTOPPING ELEVATION	= 3087.00	FT

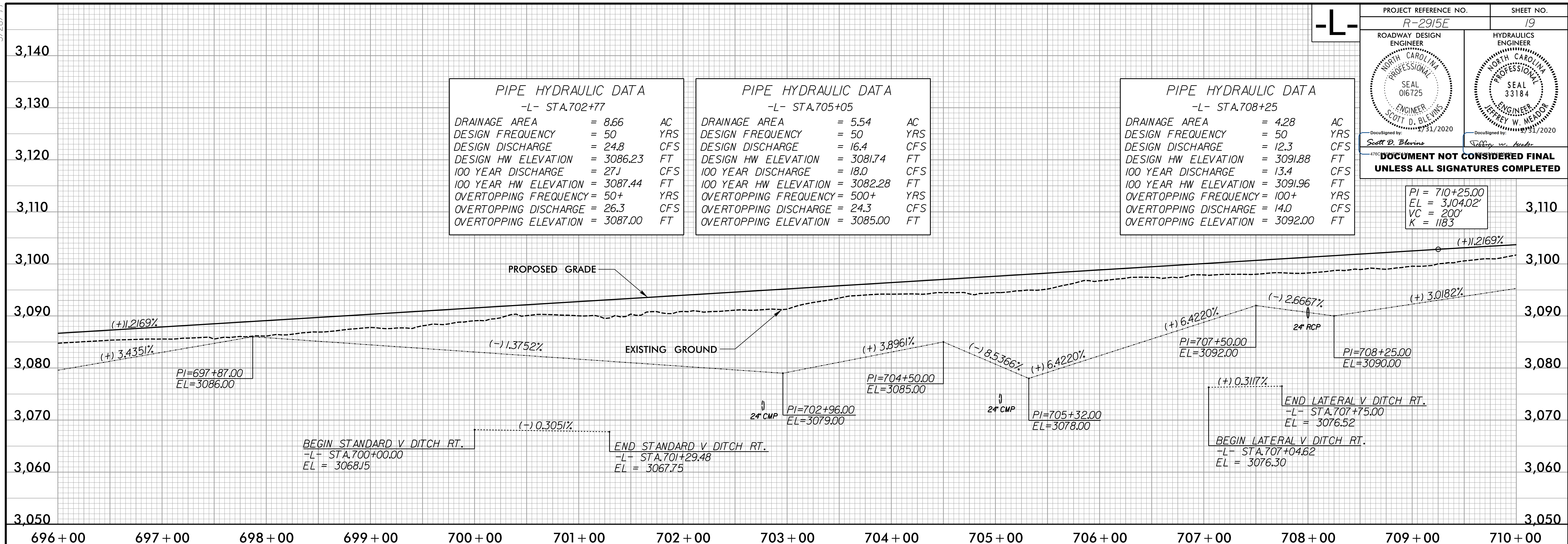
**PIPE HYDRAULIC DATA**  
-L- STA.705+05

DRAINAGE AREA	= 5.54	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 16.4	CFS
DESIGN HW ELEVATION	= 3081.74	FT
100 YEAR DISCHARGE	= 18.0	CFS
100 YEAR HW ELEVATION	= 3082.28	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 24.3	CFS
OVERTOPPING ELEVATION	= 3085.00	FT

**PIPE HYDRAULIC DATA**  
-L- STA.708+25

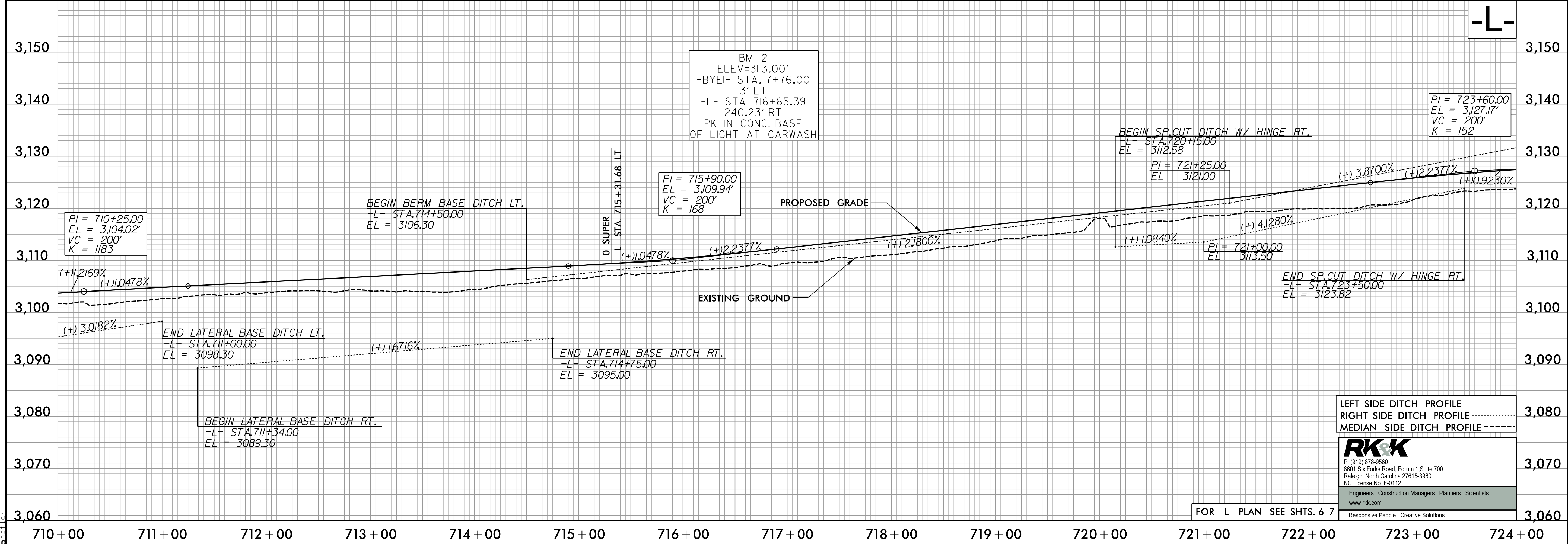
DRAINAGE AREA	= 4.28	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 12.3	CFS
DESIGN HW ELEVATION	= 3091.88	FT
100 YEAR DISCHARGE	= 13.4	CFS
100 YEAR HW ELEVATION	= 3091.96	FT
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING DISCHARGE	= 14.0	CFS
OVERTOPPING ELEVATION	= 3092.00	FT

PI = 710+25.00  
EL = 3104.02'  
VC = 200'  
K = 1183



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-L-



LEFT SIDE DITCH PROFILE  
RIGHT SIDE DITCH PROFILE  
MEDIAN SIDE DITCH PROFILE

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FOR -L- PLAN SEE SHTS. 6-7

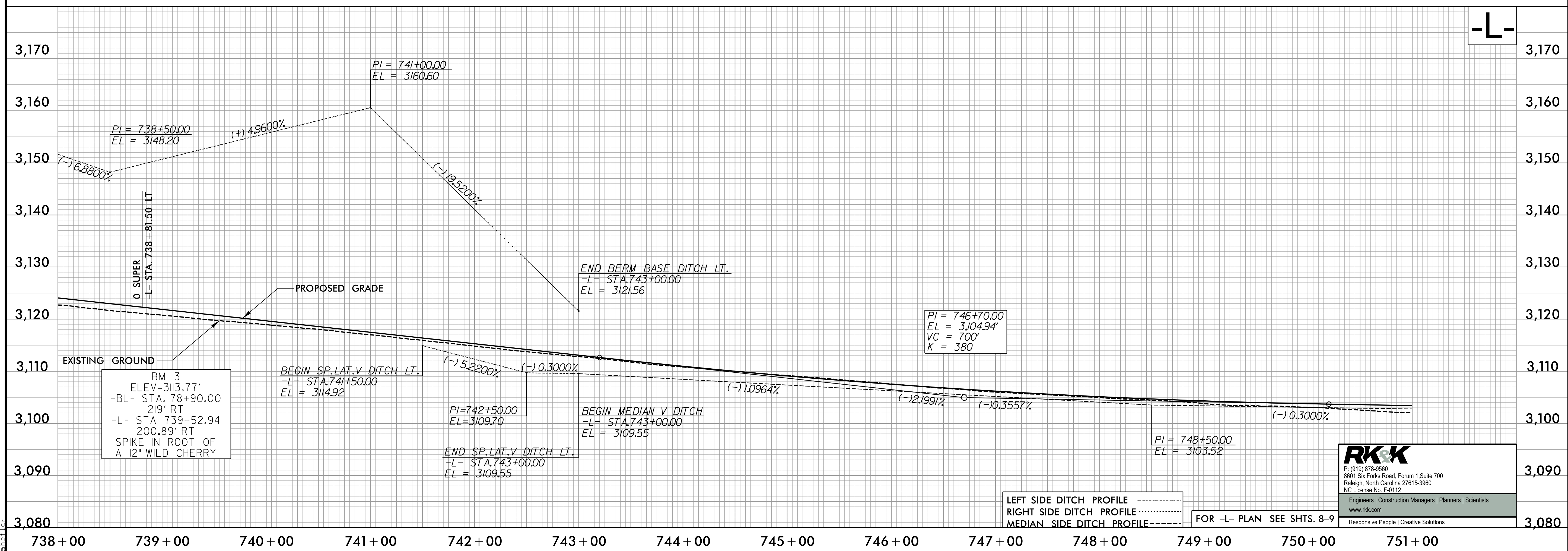
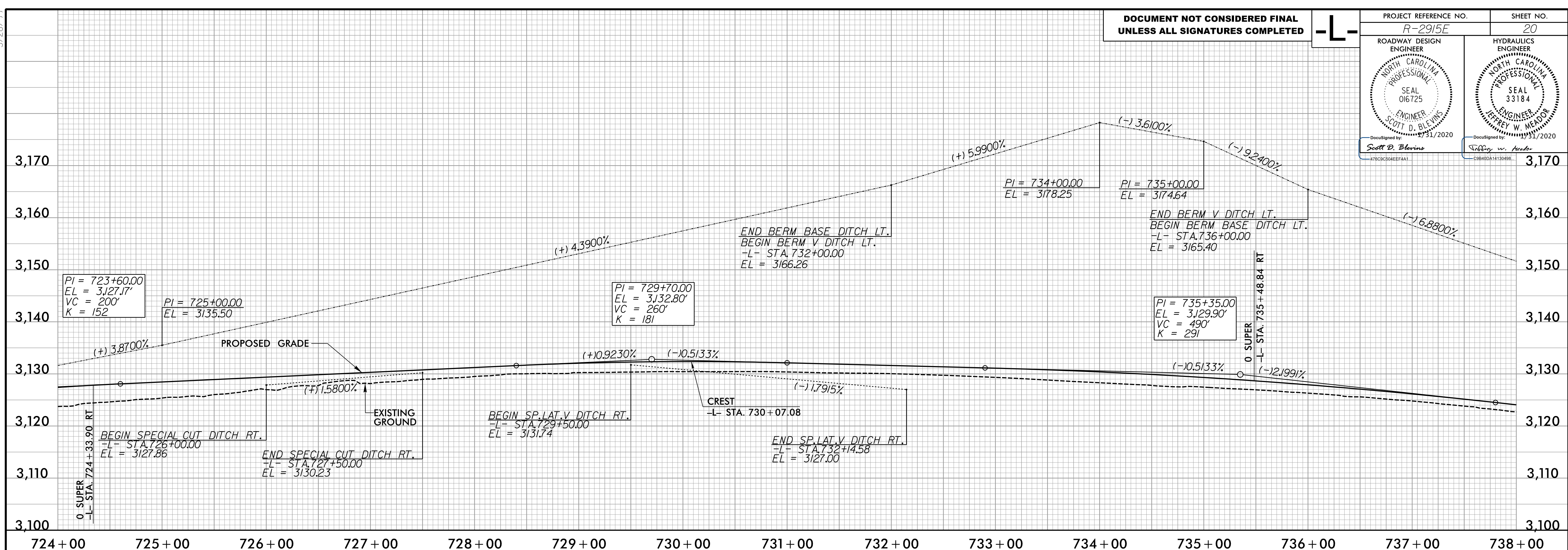


5/28/20

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-L-

PROJECT REFERENCE NO. R-2915E	SHEET NO. 20
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 016725 SCOTT D. BLERINS DocuSigned by: Scott D. Blerins 478C9C304EEFAA1	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 33184 JEFFREY W. MEADOWS DocuSigned by: Jeffrey W. Meadows C9B40DA14130498



BM 3  
ELEV=3113.77'  
-BL- STA. 78+90.00  
219' RT  
-L- STA 739+52.94  
200.89' RT  
SPIKE IN ROOT OF  
A 12" WILD CHERRY

LEFT SIDE DITCH PROFILE  
RIGHT SIDE DITCH PROFILE  
MEDIAN SIDE DITCH PROFILE

FOR -L- PLAN SEE SHTS. 8-9

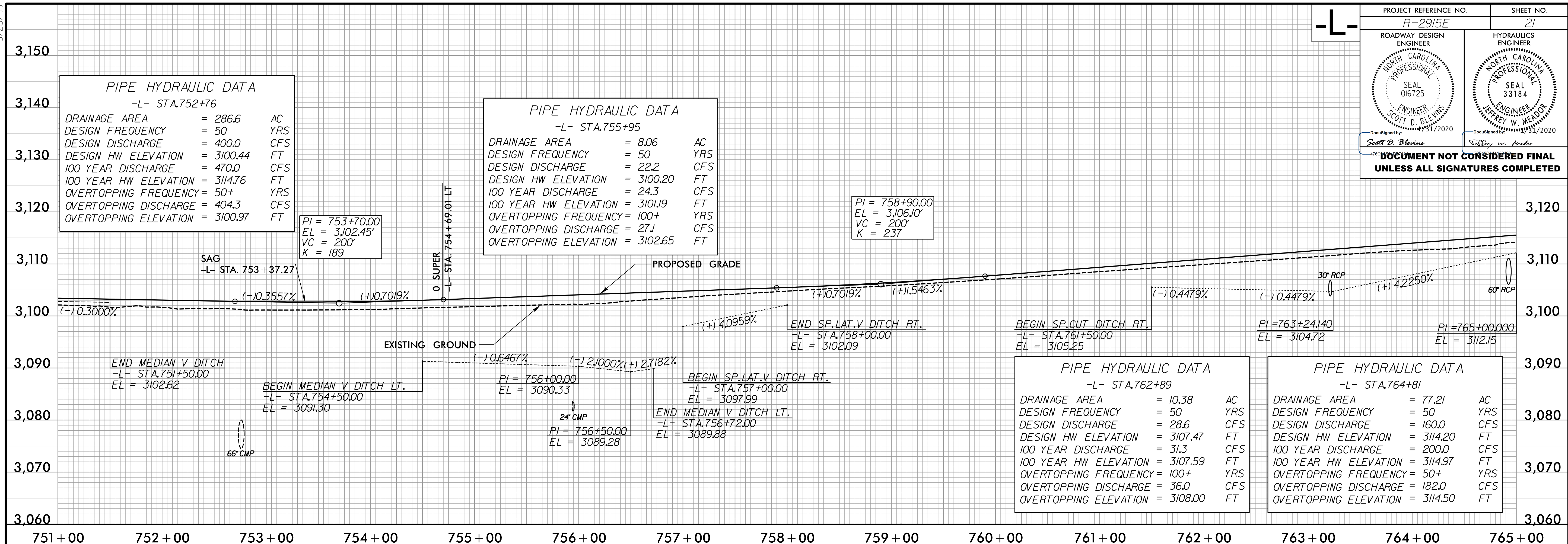
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5/28/2020

PROJECT REFERENCE NO. R-2915E		SHEET NO. 21	
ROADWAY DESIGN ENGINEER SCOTT D. BLIVINS NORTH CAROLINA PROFESSIONAL SEAL 016725 2/21/2020		HYDRAULICS ENGINEER TERRY W. MEADOR NORTH CAROLINA PROFESSIONAL SEAL 33184 2/21/2020	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>			



**PIPE HYDRAULIC DATA**  
-L- STA.752+76

DRAINAGE AREA	= 286.6	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 400.0	CFS
DESIGN HW ELEVATION	= 3100.44	FT
100 YEAR DISCHARGE	= 470.0	CFS
100 YEAR HW ELEVATION	= 3114.76	FT
OVERTOPPING FREQUENCY	= 50+	YRS
OVERTOPPING DISCHARGE	= 404.3	CFS
OVERTOPPING ELEVATION	= 3100.97	FT

**PIPE HYDRAULIC DATA**  
-L- STA.755+95

DRAINAGE AREA	= 8.06	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 22.2	CFS
DESIGN HW ELEVATION	= 3100.20	FT
100 YEAR DISCHARGE	= 24.3	CFS
100 YEAR HW ELEVATION	= 3101.19	FT
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING DISCHARGE	= 27.1	CFS
OVERTOPPING ELEVATION	= 3102.65	FT

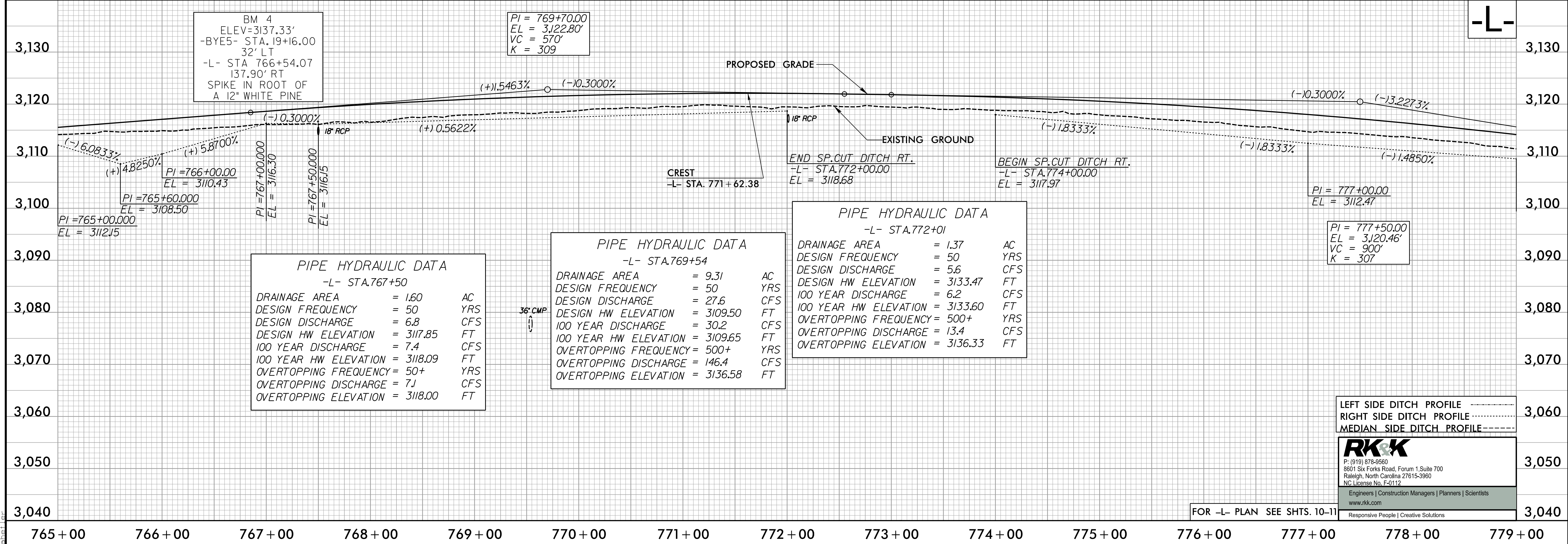
PI = 758+90.00  
EL = 3106.10'  
VC = 200'  
K = 2.37

**PIPE HYDRAULIC DATA**  
-L- STA.762+89

DRAINAGE AREA	= 10.38	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 28.6	CFS
DESIGN HW ELEVATION	= 3107.47	FT
100 YEAR DISCHARGE	= 31.3	CFS
100 YEAR HW ELEVATION	= 3107.59	FT
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING DISCHARGE	= 36.0	CFS
OVERTOPPING ELEVATION	= 3108.00	FT

**PIPE HYDRAULIC DATA**  
-L- STA.764+81

DRAINAGE AREA	= 77.21	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 160.0	CFS
DESIGN HW ELEVATION	= 3114.20	FT
100 YEAR DISCHARGE	= 200.0	CFS
100 YEAR HW ELEVATION	= 3114.97	FT
OVERTOPPING FREQUENCY	= 50+	YRS
OVERTOPPING DISCHARGE	= 182.0	CFS
OVERTOPPING ELEVATION	= 3114.50	FT



**PIPE HYDRAULIC DATA**  
-L- STA.767+50

DRAINAGE AREA	= 1.60	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 6.8	CFS
DESIGN HW ELEVATION	= 3117.85	FT
100 YEAR DISCHARGE	= 7.4	CFS
100 YEAR HW ELEVATION	= 3118.09	FT
OVERTOPPING FREQUENCY	= 50+	YRS
OVERTOPPING DISCHARGE	= 7.1	CFS
OVERTOPPING ELEVATION	= 3118.00	FT

**PIPE HYDRAULIC DATA**  
-L- STA.769+54

DRAINAGE AREA	= 9.31	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 27.6	CFS
DESIGN HW ELEVATION	= 3109.50	FT
100 YEAR DISCHARGE	= 30.2	CFS
100 YEAR HW ELEVATION	= 3109.65	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 146.4	CFS
OVERTOPPING ELEVATION	= 3136.58	FT

**PIPE HYDRAULIC DATA**  
-L- STA.772+01

DRAINAGE AREA	= 1.37	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 5.6	CFS
DESIGN HW ELEVATION	= 3133.47	FT
100 YEAR DISCHARGE	= 6.2	CFS
100 YEAR HW ELEVATION	= 3133.60	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 13.4	CFS
OVERTOPPING ELEVATION	= 3136.33	FT

PI = 777+50.00  
EL = 3120.46'  
VC = 900'  
K = 307

LEFT SIDE DITCH PROFILE .....  
RIGHT SIDE DITCH PROFILE .....  
MEDIAN SIDE DITCH PROFILE .....

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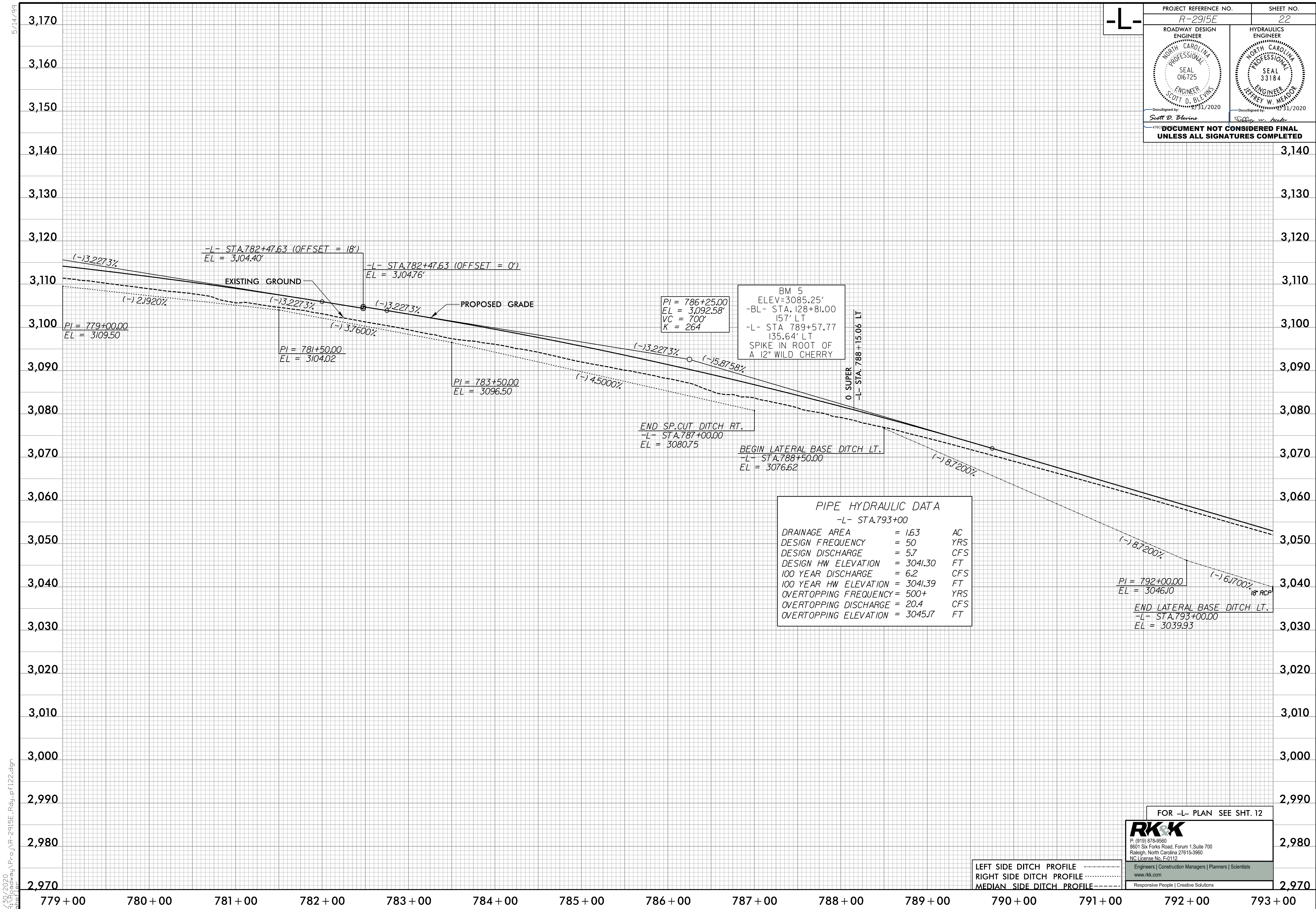
FOR -L- PLAN SEE SHTS. 10-11

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5/14/2020

PROJECT REFERENCE NO. <b>R-2915E</b>		SHEET NO. <b>22</b>
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 016725 ENGINEER SCOTT D. BLERINS 7/31/2020	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 33184 ENGINEER JEFFREY W. MEADOR 7/31/2020	
Documented by: <i>Scott D. Blerins</i> Documented by: <i>Jeffrey W. Meador</i>		
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>		



1/30/2020  
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LEFT SIDE DITCH PROFILE .....  
 RIGHT SIDE DITCH PROFILE .....  
 MEDIAN SIDE DITCH PROFILE .....

FOR -L- PLAN SEE SHT. 12

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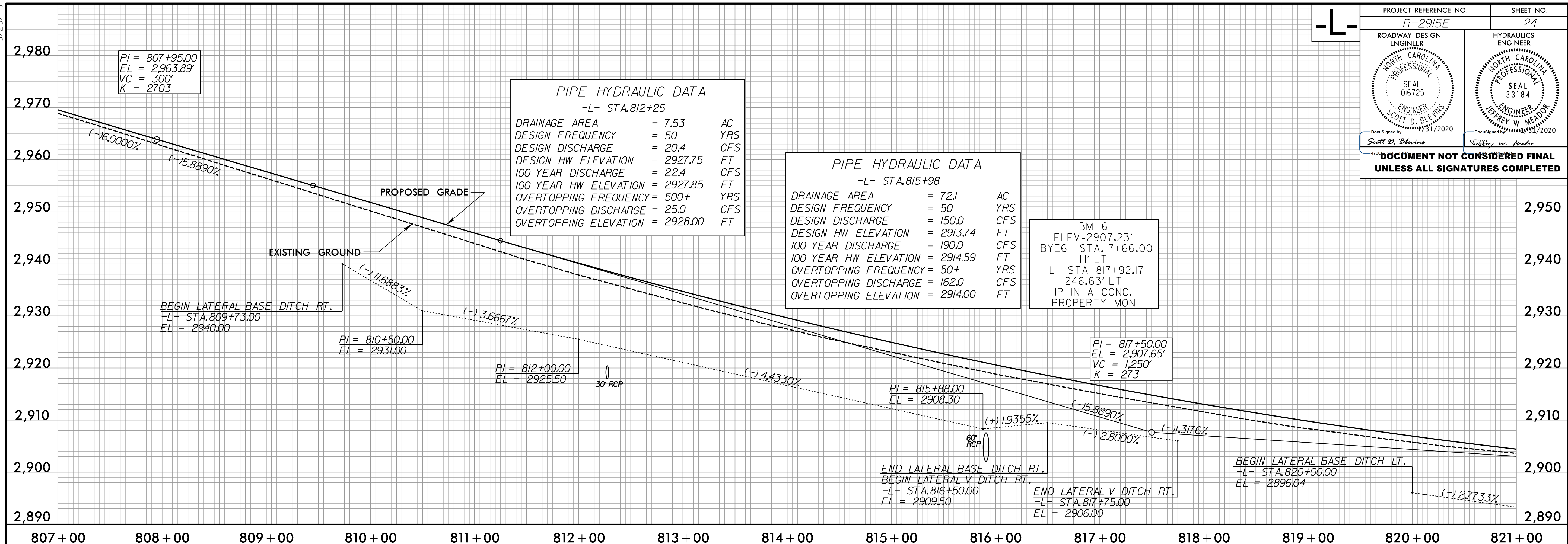






5/28/2020

PROJECT REFERENCE NO. <b>R-2915E</b>		SHEET NO. <b>24</b>	
ROADWAY DESIGN ENGINEER <b>SCOTT D. BLERINS</b> NORTH CAROLINA PROFESSIONAL SEAL 016725 ENGINEER 2/21/2020		HYDRAULICS ENGINEER <b>JEFFREY W. MEADOWS</b> NORTH CAROLINA PROFESSIONAL SEAL 33184 ENGINEER 11/21/2020	
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PI = 807+95.00  
EL = 2,963.89'  
VC = 300'  
K = 2703

**PIPE HYDRAULIC DATA**  
-L- STA.812+25

DRAINAGE AREA	= 7.53	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 20.4	CFS
DESIGN HW ELEVATION	= 2927.75	FT
100 YEAR DISCHARGE	= 22.4	CFS
100 YEAR HW ELEVATION	= 2927.85	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 25.0	CFS
OVERTOPPING ELEVATION	= 2928.00	FT

**PIPE HYDRAULIC DATA**  
-L- STA.815+98

DRAINAGE AREA	= 72.1	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 150.0	CFS
DESIGN HW ELEVATION	= 2913.74	FT
100 YEAR DISCHARGE	= 190.0	CFS
100 YEAR HW ELEVATION	= 2914.59	FT
OVERTOPPING FREQUENCY	= 50+	YRS
OVERTOPPING DISCHARGE	= 162.0	CFS
OVERTOPPING ELEVATION	= 2914.00	FT

BM 6  
ELEV=2907.23'  
-BYE6- STA. 7+66.00  
III' LT  
-L- STA 817+92.17  
246.63' LT  
IP IN A CONC.  
PROPERTY MON

PI = 817+50.00  
EL = 2,907.65'  
VC = 1,250'  
K = 273

BEGIN LATERAL BASE DITCH RT.  
-L- STA.809+73.00  
EL = 2940.00

PI = 810+50.00  
EL = 2931.00

PI = 812+00.00  
EL = 2925.50

30" RCP

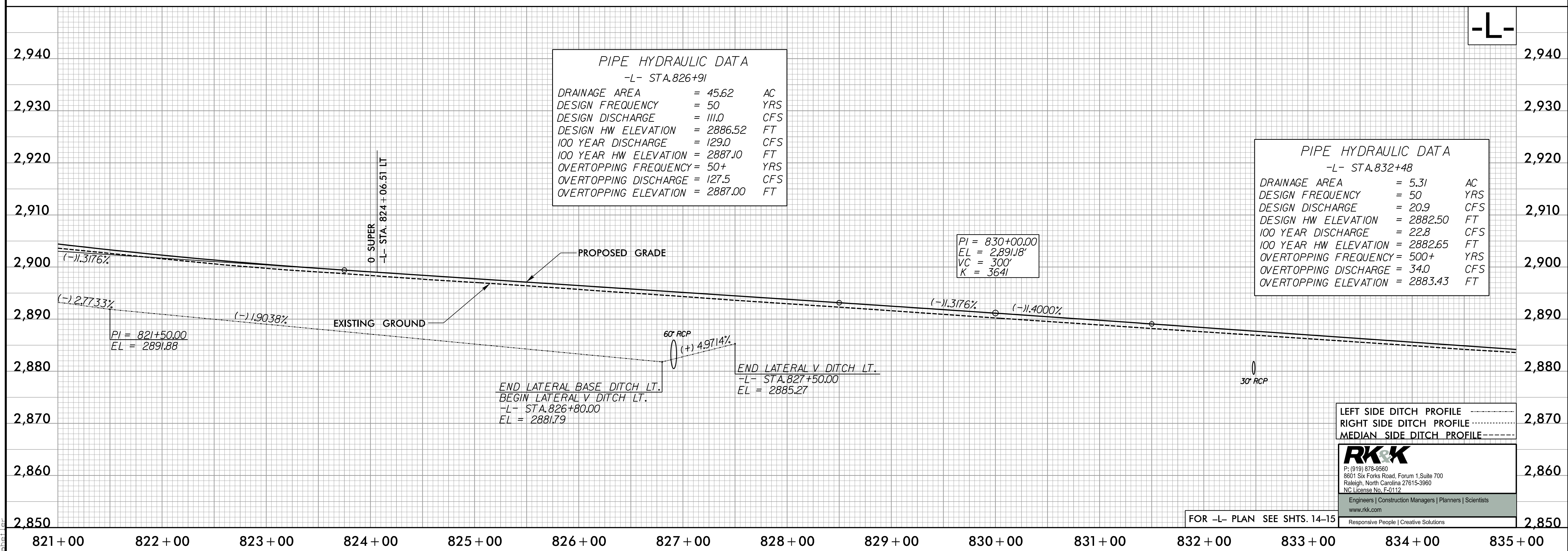
PI = 815+88.00  
EL = 2908.30

60" RCP

END LATERAL BASE DITCH RT.  
BEGIN LATERAL V DITCH RT.  
-L- STA.816+50.00  
EL = 2909.50

END LATERAL V DITCH RT.  
-L- STA.817+75.00  
EL = 2906.00

BEGIN LATERAL BASE DITCH LT.  
-L- STA.820+00.00  
EL = 2896.04



**PIPE HYDRAULIC DATA**  
-L- STA.826+91

DRAINAGE AREA	= 45.62	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 111.0	CFS
DESIGN HW ELEVATION	= 2886.52	FT
100 YEAR DISCHARGE	= 129.0	CFS
100 YEAR HW ELEVATION	= 2887.10	FT
OVERTOPPING FREQUENCY	= 50+	YRS
OVERTOPPING DISCHARGE	= 127.5	CFS
OVERTOPPING ELEVATION	= 2887.00	FT

PI = 830+00.00  
EL = 2,891.8'  
VC = 300'  
K = 3641

**PIPE HYDRAULIC DATA**  
-L- STA.832+48

DRAINAGE AREA	= 5.31	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 20.9	CFS
DESIGN HW ELEVATION	= 2882.50	FT
100 YEAR DISCHARGE	= 22.8	CFS
100 YEAR HW ELEVATION	= 2882.65	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 34.0	CFS
OVERTOPPING ELEVATION	= 2883.43	FT

PI = 821+50.00  
EL = 2891.88

END LATERAL BASE DITCH LT.  
BEGIN LATERAL V DITCH LT.  
-L- STA.826+80.00  
EL = 2881.79

END LATERAL V DITCH LT.  
-L- STA.827+50.00  
EL = 2885.27

30" RCP

LEFT SIDE DITCH PROFILE  
RIGHT SIDE DITCH PROFILE  
MEDIAN SIDE DITCH PROFILE

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FOR -L- PLAN SEE SHTS. 14-15

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5/28/2020

-L-

PROJECT REFERENCE NO. <b>R-2915E</b>	SHEET NO. <b>25</b>
ROADWAY DESIGN ENGINEER <b>SCOTT D. BLERINS</b> NORTH CAROLINA PROFESSIONAL SEAL 016725	HYDRAULICS ENGINEER <b>DEBBY W. MEADOR</b> NORTH CAROLINA PROFESSIONAL SEAL 33184
Designed by <b>Scott D. Blerins</b>	Designed by <b>Debbly W. Meador</b>

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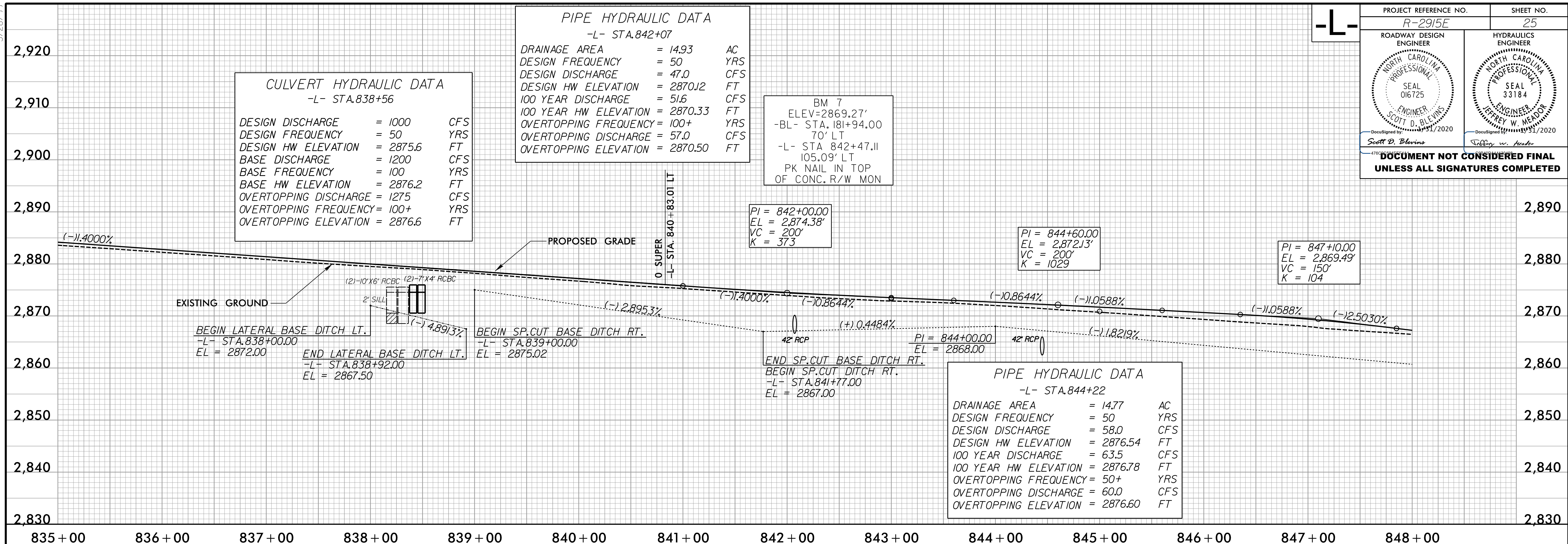
**PIPE HYDRAULIC DATA**  
-L- STA.842+07

DRAINAGE AREA	= 14.93	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 47.0	CFS
DESIGN HW ELEVATION	= 2870.12	FT
100 YEAR DISCHARGE	= 51.6	CFS
100 YEAR HW ELEVATION	= 2870.33	FT
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING DISCHARGE	= 57.0	CFS
OVERTOPPING ELEVATION	= 2870.50	FT

**CULVERT HYDRAULIC DATA**  
-L- STA.838+56

DESIGN DISCHARGE	= 1000	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 2875.6	FT
BASE DISCHARGE	= 1200	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 2876.2	FT
OVERTOPPING DISCHARGE	= 1275	CFS
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING ELEVATION	= 2876.6	FT

BM 7  
ELEV=2869.27'  
-BL- STA. 181+94.00  
70' LT  
-L- STA 842+47.11  
105.09' LT  
PK NAIL IN TOP  
OF CONC. R/W MON

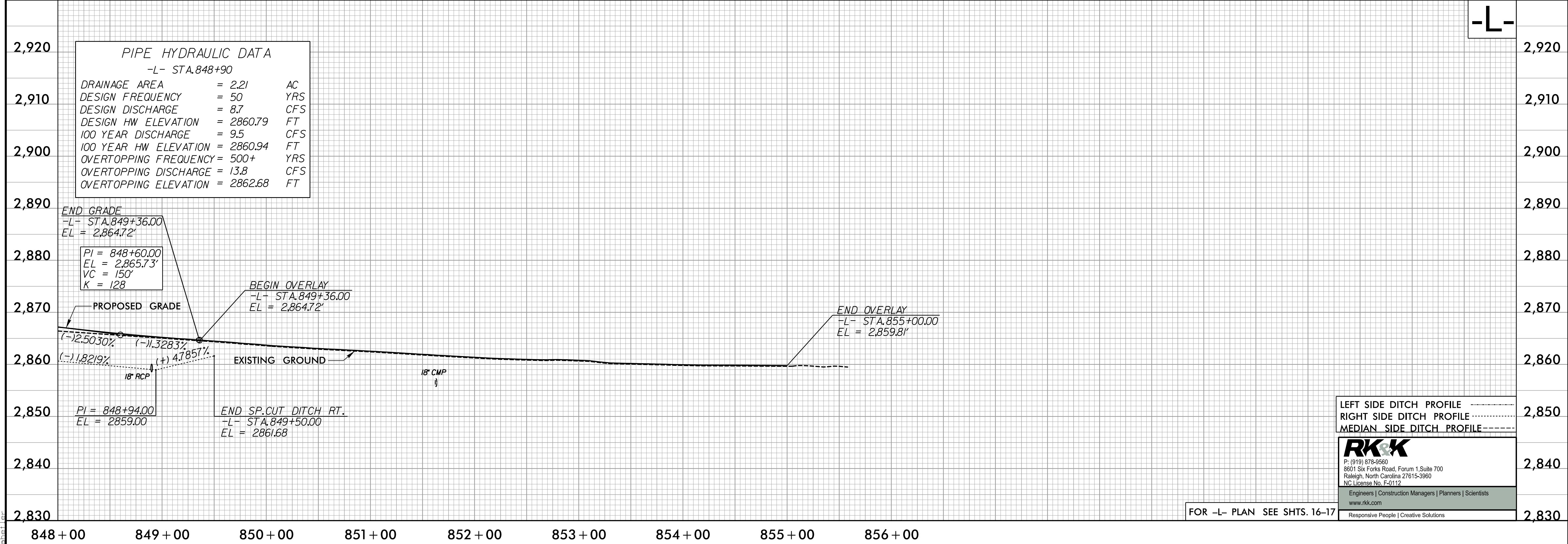


**PIPE HYDRAULIC DATA**  
-L- STA.844+22

DRAINAGE AREA	= 14.77	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 58.0	CFS
DESIGN HW ELEVATION	= 2876.54	FT
100 YEAR DISCHARGE	= 63.5	CFS
100 YEAR HW ELEVATION	= 2876.78	FT
OVERTOPPING FREQUENCY	= 50+	YRS
OVERTOPPING DISCHARGE	= 60.0	CFS
OVERTOPPING ELEVATION	= 2876.60	FT

**PIPE HYDRAULIC DATA**  
-L- STA.848+90

DRAINAGE AREA	= 2.21	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 8.7	CFS
DESIGN HW ELEVATION	= 2860.79	FT
100 YEAR DISCHARGE	= 9.5	CFS
100 YEAR HW ELEVATION	= 2860.94	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 13.8	CFS
OVERTOPPING ELEVATION	= 2862.68	FT



LEFT SIDE DITCH PROFILE .....  
RIGHT SIDE DITCH PROFILE .....  
MEDIAN SIDE DITCH PROFILE -----

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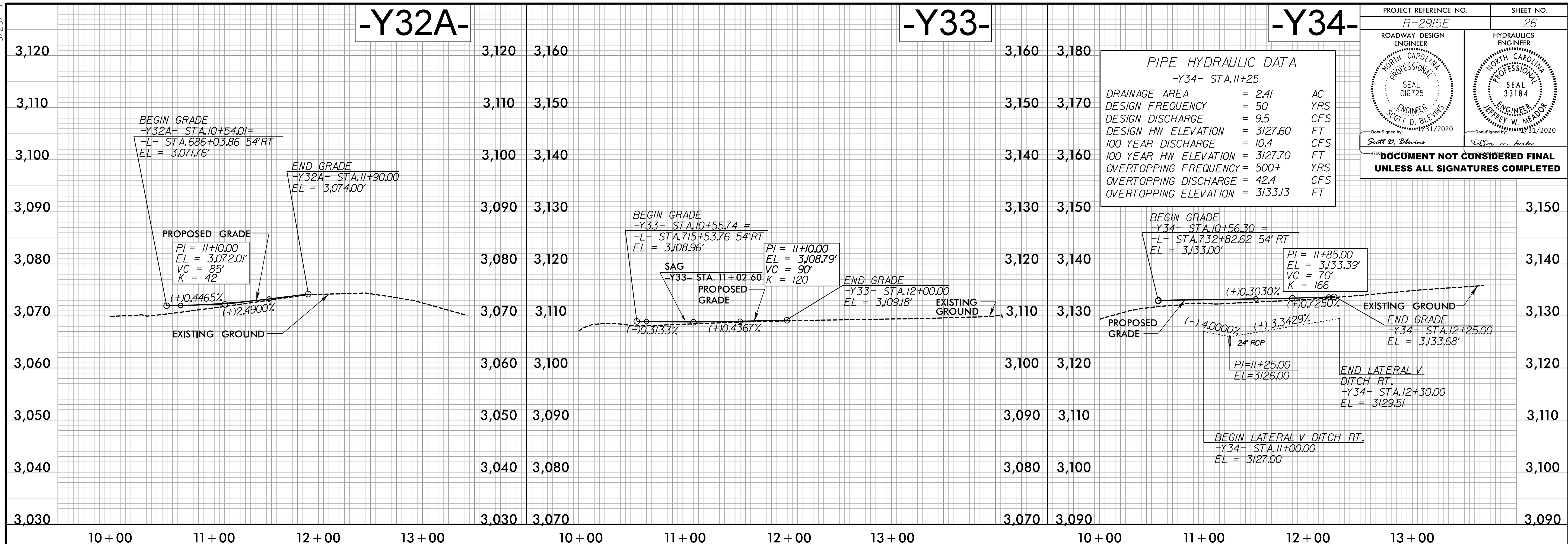
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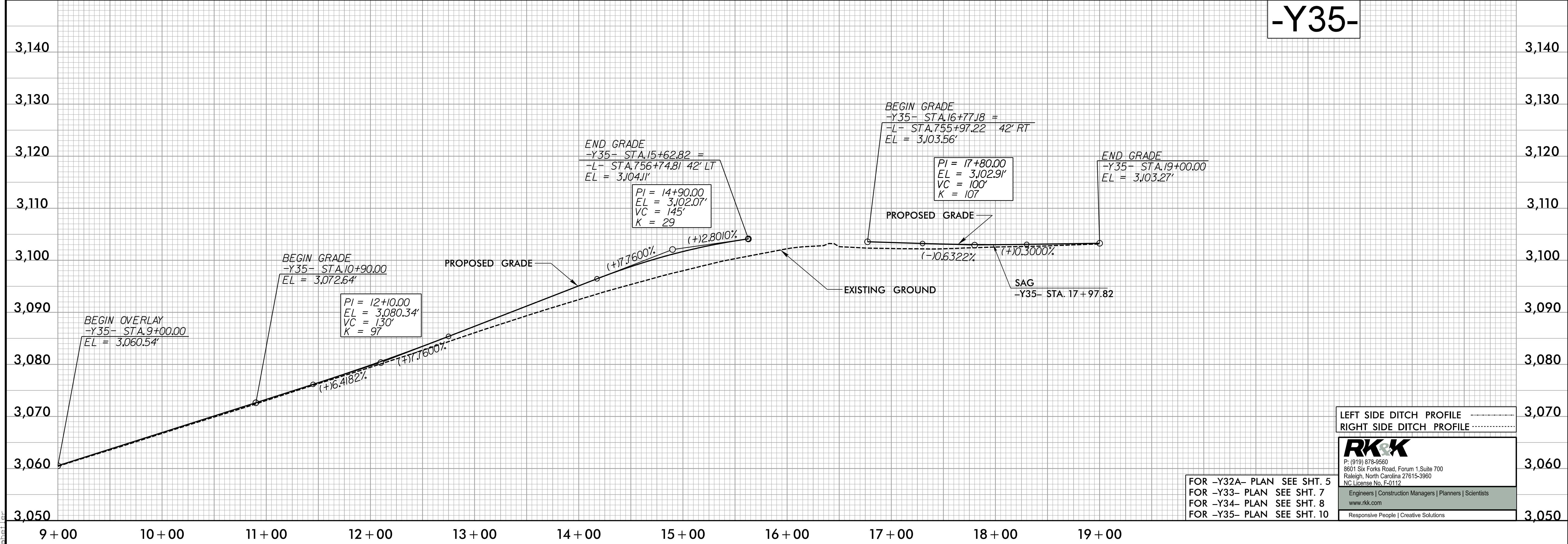
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5/28/2020



PROJECT REFERENCE NO. R-2915E	SHEET NO. 26
ROADWAY DESIGN ENGINEER SCOTT D. BLERINS NORTH CAROLINA PROFESSIONAL SEAL 016725 12/31/2020	HYDRAULICS ENGINEER JEFFREY W. MEADOR NORTH CAROLINA PROFESSIONAL SEAL 33184 12/31/2020
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LEFT SIDE DITCH PROFILE .....  
RIGHT SIDE DITCH PROFILE .....

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FOR -Y32A- PLAN SEE SHT. 5  
FOR -Y33- PLAN SEE SHT. 7  
FOR -Y34- PLAN SEE SHT. 8  
FOR -Y35- PLAN SEE SHT. 10

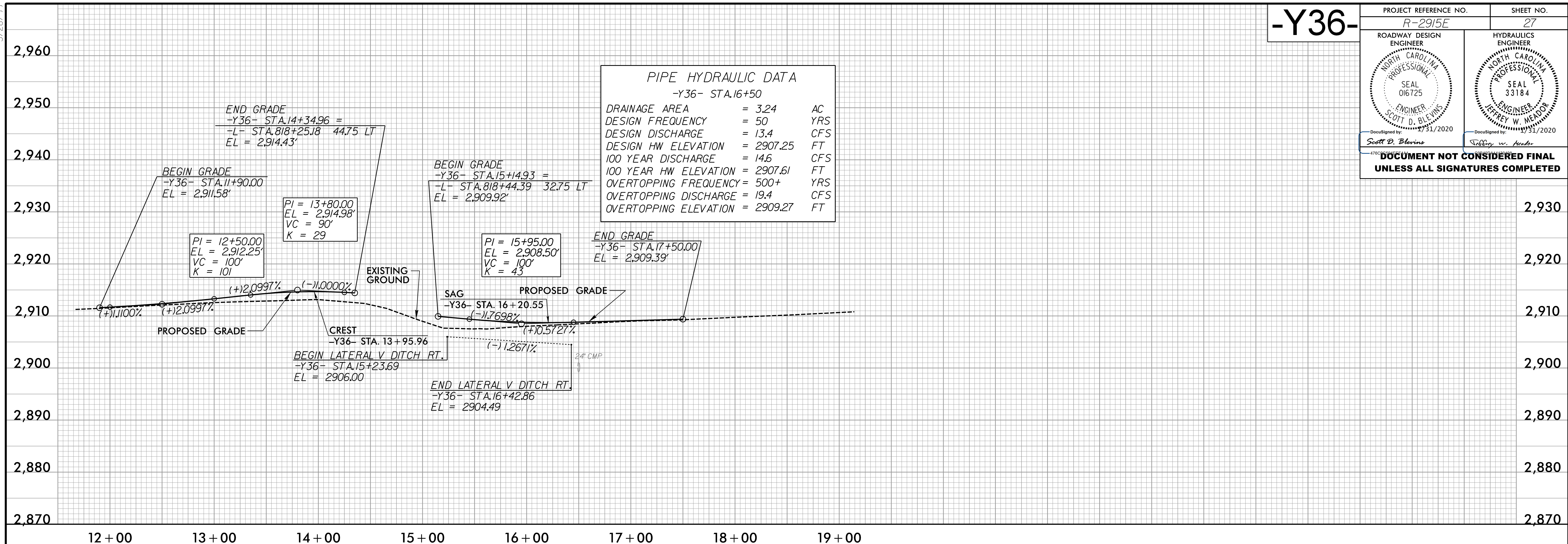
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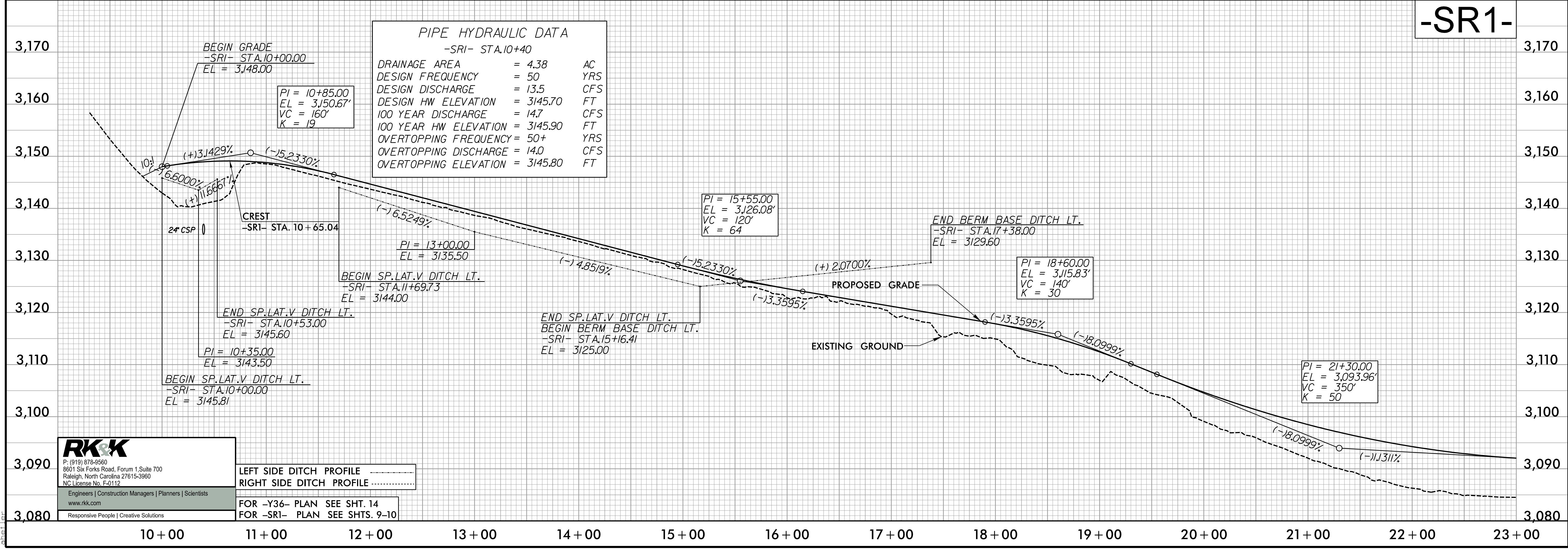
-Y36-

PROJECT REFERENCE NO. R-2915E	SHEET NO. 27
ROADWAY DESIGN ENGINEER SCOTT D. BLERINS NORTH CAROLINA PROFESSIONAL SEAL 016725 ENGINEER DESIGNED BY: 5/31/2020	HYDRAULICS ENGINEER TREVOR W. MEADOR NORTH CAROLINA PROFESSIONAL SEAL 33184 ENGINEER DESIGNED BY: 5/31/2020
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-SR1-



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LEFT SIDE DITCH PROFILE .....  
RIGHT SIDE DITCH PROFILE .....  
FOR -Y36- PLAN SEE SHT. 14  
FOR -SR1- PLAN SEE SHTS. 9-10



5/28/20

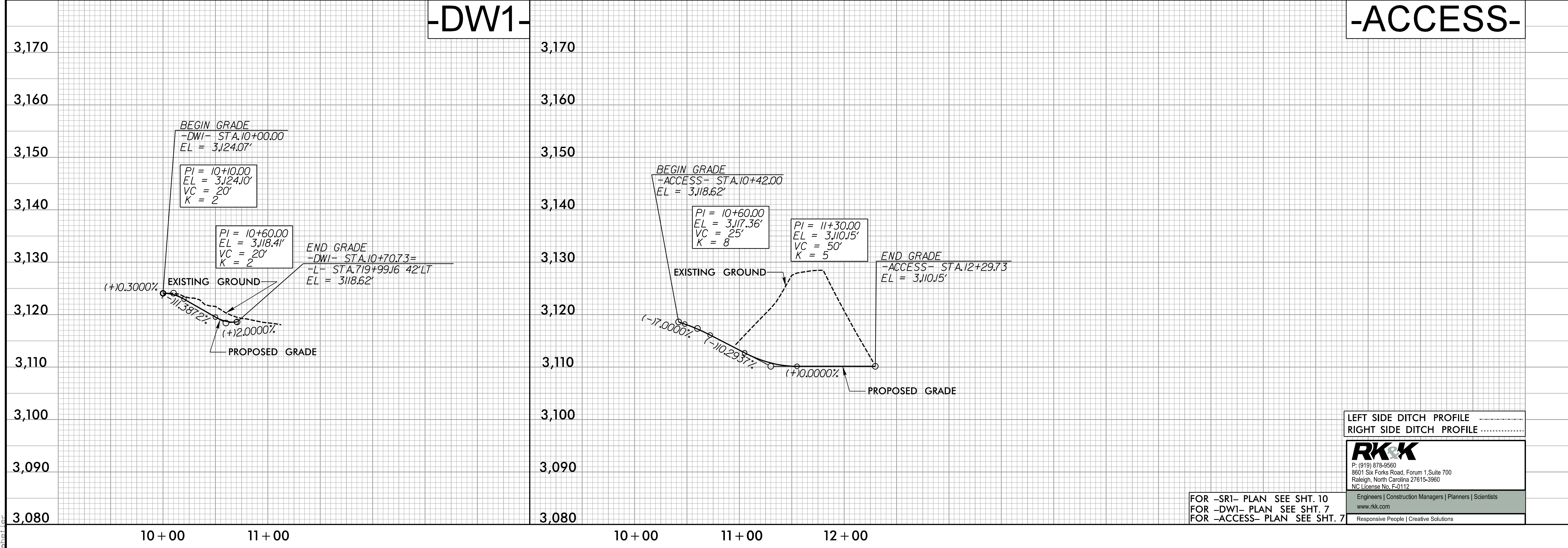
# -SR1-

PROJECT REFERENCE NO. <i>R-2915E</i>	SHEET NO. <i>28</i>
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 016725 SCOTT D. BLERINS DESIGNED BY <i>Scott D. Blerins</i> 10/31/2020	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 33184 JEFFREY W. MEADOWS DESIGNED BY <i>Jeffrey W. Meadows</i> 10/31/2020
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## -DW1-

## -ACCESS-



LEFT SIDE DITCH PROFILE .....  
RIGHT SIDE DITCH PROFILE .....

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FOR -SR1- PLAN SEE SHT. 10  
FOR -DW1- PLAN SEE SHT. 7  
FOR -ACCESS- PLAN SEE SHT. 7

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