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STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

GUARDRAIL SUMMARY

"N" = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL.
 TOTAL SHOULDER WIDTH = DISTANCE FROM EDGE OF TRAVEL LANE TO SHOULDER BREAK POINT.
 FLARE LENGTH = DISTANCE FROM LAST SECTION OF PARALLEL GUARDRAIL TO END OF GUARDRAIL.
 W = TOTAL WIDTH OF FLARE FROM BEGINNING OF TAPER TO END OF GUARDRAIL.
 G = GATING IMPACT ATTENUATOR TYPE 350
 NG = NON-GATING IMPACT ATTENUATOR TYPE 350

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL. WIDTH	FLARE LENGTH		W		ANCHORS								IMPACT ATTENUATOR TYPE 350		SINGLE FACED CONCRETE BARRIER	REMOVE EXISTING GUARDRAIL	REMOVE & STOCKPILE EXISTING GUARDRAIL	REMARKS										
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	XI MOD	XI	GRAU 350 TL3	M-350	AT-1	CAT-1	VI MOD	TES	B-77	G					NG									
-L-	70+00.00	74+50.00	RT	450			71+00.00	73+50.00	4	7	50	50	1	1			2																					
-L-	118+54.64	119+29.64(BR)	RT	75				119+29.64(BR)	EXIST.	7	50		1				1																					
-L-	118+48.78	119+23.78(BR)	LT	75			119+23.78(BR)		EXIST.	7		50		1			1																				65.05	
-L-	120+22.01(BR)	120+97.01	RT	75			120+22.01(BR)		EXIST.	7		50		1			1																			41.68		
-L-	120+15.45(BR)	120+90.45	LT	75			120+15.45(BR)		EXIST.	7	50		1				1																			41.02		
-L-	126+08.50	129+21.00	RT	312.50			128+06.00		4	7	50	50	1	1			2																					
-L-	127+09.00	129+84.00	LT	275			128+24.00		4	7	50	50	1	1			2																					
-L-	178+50.00	181+25.00	RT	275			179+50.00	180+25.00	4	7	50	50	1	1			2																					
-L-	178+00.00	181+50.00	LT	350			179+00.00	180+50.00	4	7	50	50	1	1			2																					
-L-	190+12.17	192+52.43	RT	209.35	96.12		190+63.00	191+50.00	4	7										2																		
-L-	190+29.00	194+04.00	LT	375			191+44.00		4	7	50	50	1	1			2																					
-L-	209+00.00	211+23.36	LT	225	27.33		209+00.00		4	7	50		1				1																					
-L-	282+70.00	286+45.00	RT	375			285+30.00		4	7	50	50	1	1			2																					
-L-	283+79.00	286+79.00	LT	300			284+90.00		4	7	50	50	1	1			2																					
-L-	348+00.00	350+37.83	RT	225	45.69		349+00.00	349+88.61	4	7	50		1				1			1																		
-L-	348+50.00	351+50.00	LT	300			349+50.00	350+50.00	4	7	50	50	1	1			2																					
-L-	396+80.00	398+92.50	RT	212.50			397+80.00	397+92.50	4	7	50	50	1	1			2																					
-L-	397+50.00	399+62.50	LT	212.50			398+50.00	398+62.50	4	7	50	50	1	1			2																					
TOTAL:				4,396.85	169.14																																	
ANCHOR DEDUCTIONS:																																						
				(28) GRAU 350 TYPE TL-3 @ 50.00' EA. =	-1400																																	
				(4) B-77 @ 18.75' EA. =	-75																																	
				(4) AT-1 @ 6.25' EA. =		-25.00																																
				GRANDTOTAL:	2,921.85	144.14											28																					187.41
				SAY:	2,925.00	150.00											28																					
				ADDITIONAL GUARDRAIL POSTS =10																																		

REMOVAL OF EXISTING ASPHALT PAVEMENT

LINE	STATION	STATION	LOCATION	AREA SQUARE FEET	WIDTH	SQUARE YARDS
-L-	178+30	191+75	LT & RT	27,877.72		3,097.52
-L-	225+00	236+50	LT & RT	24,342.69		2,704.74
-L-	276+10	278+10	LT & RT	4,197.01		466.33
-L-	283+10	284+50	LT & RT	2,893.48		321.50
-L-	285+50	287+90	LT & RT	4,939.77		548.86
-L-	291+80	294+25	LT & RT	5,250.94		583.44
-L-	339+60	345+50	LT & RT	12,404.76		1,378.31
-L-	347+25	351+50	LT & RT	9,222.34		1,024.70
-L-	402+50	412+35	LT & RT	24,991.95		2,776.88
-Y1-	10+16	12+25	LT & RT	5,800.31		644.48
-Y3-	10+50	12+09	LT & RT	3,811.05		423.45
-Y4-	10+15	13+75	RT	6,004.37		667.15
-Y5-	11+90	13+08	LT & RT	3,735.43		415.05
-Y6-	10+00	14+32	RT	6,881.83		764.65
TOTAL:						15,817.07
SAY:						15,820

BREAKING OF EXISTING ASPHALT PAVEMENT

LINE	STATION	STATION	LOCATION	LENGTH OR AREA	WIDTH	SQUARE YARDS
-L-	284+50	285+50	LT & RT	100.00	20	222.22
-L-	345+50	347+25	LT & RT	175.00	21	408.33
TOTAL						630.56
SAY						640

Approximate quantities only. Unclassified Excavation, Borrow Excavation, Fine Grading, Clearing and Grubbing, Breaking of Existing Pavement, and Removal of Existing Pavement will be paid for at the Lump Sum price for "Grading"

12/06/07

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 \$\$\$USERNAME\$\$\$
 28-MAR-2017 14:29

RD-299047

COMPUTED BY: Tiffany Snow DATE: 1-26-2016
CHECKED BY: John Braxton DATE: 2-29-2016

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO. SHEET NO.
W-5313 3D-1

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

Table with columns for LINE & STATION, OFFSET, STRUCTURE NUMBER, Drainage Pipe (RCP, CSP, CAAP, HDPE, or PVC), C. S. PIPE, R. C. PIPE CLASS III, R. C. PIPE CLASS IV, R. C. PIPE CLASS V, ENDWALLS, REINFORCED ENDWALLS, QUANTITIES FOR DRAINAGE STRUCTURES, FRAME, GRATES, AND HOOD, GRATE TYPE, and REMARKS. Includes SHEET TOTALS and PROJECT TOTALS at the bottom.

RD-299047

COMPUTED BY: Tiffany Snow DATE: 1-26-2016
CHECKED BY: John Braxton DATE: 2-29-2016

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO. W-5313 SHEET NO. 3D-3

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

Main data table with columns for Line & Station, Offset, Structure Number, Drainage Pipe, C.S. Pipe, R.C. Pipe Class III, R.C. Pipe Class IV, R.C. Pipe Class V, Quantities for Drainage Structures, Frame, Grates, and Hood, and Remarks. Includes sub-totals for SHEET TOTALS and PROJECT TOTALS.

COMPUTED BY: Tiffany Snow DATE: 1-26-2016
CHECKED BY: John Braxton DATE: 2-29-2016

PROJECT NO. W-5313 SHEET NO. 3D-5

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout.
See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

Table with columns: LINE & STATION, OFFSET, STRUCTURE NUMBER, TOP ELEVATION, INVERT ELEVATION, MINIMUM REQUIRED SLOPE, Drainage Pipe (RCP, CSP, CAAP, HDPE, or PVC), C. S. PIPE, R. C. PIPE CLASS III, R. C. PIPE CLASS IV, R. C. PIPE CLASS V, ENDWALLS, REINFORCED ENDWALLS, QUANTITIES FOR DRAINAGE STRUCTURES, FRAME, GRATES, AND HOOD, GRATE TYPE, and REMARKS. Includes sub-totals for SHEET TOTALS and PROJECT TOTALS.

RD-299047

COMPUTED BY: Tiffany Snow DATE: 1-26-2016
CHECKED BY: John Braxton DATE: 2-29-2016

PROJECT NO. W-5313 SHEET NO. 3D-6

**NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout.
See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48 INCHES & UNDER)

Table with columns: LINE & STATION, SIZE, THICKNESS OR GAUGE, OFFSET, STRUCTURE NUMBER, TOPOGRAPHY, INVERT ELEVATION, MINIMUM REQUIRED SLOPE, Drainage Pipe (RCP, CSP, CAAP, HDPE, or PVC), C. S. PIPE, R. C. PIPE CLASS III, R. C. PIPE CLASS IV, R. C. PIPE CLASS V, ENDWALLS, REINFORCED ENDWALLS, QUANTITIES FOR DRAINAGE STRUCTURES, FRAME, GRATES, AND HOOD, GRAPE TYPE, and REMARKS. Includes sub-totals for SHEET TOTALS and PROJECT TOTALS.

COMPUTED BY: Tiffany Snow DATE: 1-26-2016
CHECKED BY: John Braxton DATE: 2-29-2016

PROJECT NO. SHEET NO.
W-5313 3D-7

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Note: Invert Elevations indicated are for Bid Purposes only and shall not be used for project construction stakeout.
See "Standard Specifications For Roads and Structures, Section 300-5".

LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 54 INCHES & OVER)

Table with columns for LINE & STATION, SIZE, THICKNESS OR GAUGE, OFFSET, STRUCTURE NUMBER, TOP ELEVATION, INVERT ELEVATION, MINIMUM REQUIRED SLOPE, Drainage Pipe (RCP, CSP, CAAP, HDPE, or PVC), C. S. PIPE, R. C. PIPE CLASS III, R. C. PIPE CLASS IV, R. C. PIPE CLASS V, STRUCTURAL PLATE PIPE, ENDWALLS, REINFORCED ENDWALLS, MASONRY, DRAINAGE STRUCTURE, QUANTITIES FOR DRAINAGE STRUCTURES, FRAME, GRATES, AND HOOD, CONCRETE TRANSITIONAL SECTION, OPEN THROAT C.B. STD., CONCRETE BRIDGE APPROACH D.I., D.I. STD., D.I. FRAME AND GRATES STD., G.D.I. TYPE 'A', G.D.I. TYPE 'B', G.D.I. TYPE 'D', G.D.I. (W.S. FLAT) FRAME WITH GRATE STD., G.D.I. (W.S. SAG) FRAME W/ GRATE STD., G.D.I. (W.S. SAG) FRAME W/ 2 GRATES STD., G.D.I. (N.S. SAG) FRAME W/ GRATE STD., J.B. STD., ANGLED VANE GRATES AND FRAMES STD., T.B.J.B. STD., T.B.D.I. FOR STEEL GRATES STD., STEEL FRAME WITH TWO GRATES STD., CONVERT EXISTING C.B. TO J.B., CONVERT EXISTING C.B. TO D.I., CONVERT EXISTING D.I. TO J.B., CONVERT EXISTING J.B. TO D.I., ADJUST C.B., ADJUST D.I., DRAINAGE PIPE ELBOWS, PERFORMED SCOUR HOLE (PER EACH), ENERGY DISSIPATION BASIN, PIPE REMOVAL, REMARKS.

ABBREVIATIONS
C.A.A. CORRUGATED ALUMINIUM ALLOY
C.B. CATCH BASIN
C.S. CORRUGATED STEEL
D.I. DROP INLET
G.D.I. GRATED DROP INLET
H.D.P.E. HIGH DENSITY POLYETHYLENE
J.B. JUNCTION BOX
M.H. MANHOLE
N.S. NARROW SLOT
P.V.C. POLYVINYL CHLORIDE
R.C. REINFORCED CONCRETE
T.B.D.I. TRAFFIC BEARING DROP INLET
T.B.J.B. TRAFFIC BEARING JUNCTION BOX
W.S. WIDE SLOT

SHEET TOTALS
PROJECT TOTALS

COMPUTED BY: J. BRAXTON DATE: 05/09/2016
 CHECKED BY: J. TEAGUE DATE: 05/09/2016

PROJECT NO.	SHEET NO.
W-5313	3G-1

**STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS**

SUMMARY OF PRE-SPLITTING OF ROCK

LINE	Beginning Rock Cut Slope (H:V)	Approx. Station	Ending Rock Cut Slope (H:V)	Approx. Station	Location LT/RT	Pre-splitting of Rock SY
			CONTINGENCY			50
			TOTAL SY:			50

SUMMARY OF AGGREGATE SUBGRADE/STABILIZATION

LINE	Station	Station	Aggregate Type* ASU/AST	Aggregate Thickness INCHES	Shallow Undercut CY	Class IV Subgrade Stabilization TONS	Geotextile for Soil Stabilization SY	Stabilizer Aggregate TONS	Class IV Aggregate Stabilization TONS
-L- RT	27+30	31+20	ASU	18	150	285	300		
-L- LT	28+25	28+75	ASU	18					
-L- LT	29+75	30+25	ASU	18					
-L- LT	30+75	31+20	ASU	18					
-L- L	31+70	32+25	ASU	18	45	85	90		
-L- RT	31+70	32+70	ASU	18					
-L- LT	37+80	38+25	ASU	18	40	80	80		
-L- RT	37+80	38+70	ASU	18					
-L- LT	40+75	47+70	ASU	18	290	550	580		
-L- RT	42+75	43+25	ASU	18					
-L- LT	43+75	45+75	ASU	18					
-L- RT	46+75	47+70	ASU	18					
-L- LT	166+75	167+70	ASU	18	75	145	150		
-L- RT	166+75	167+70	ASU	18					
-L- LT	263+25	268+25	ASU	18	450	850	900		
-L- RT	263+25	268+25	ASU	18					
-L- LT	269+25	272+60	ASU	18	225	425	450		
-L- RT	269+25	272+60	ASU	18					
-L- LT	318+36	323+75	ASU	18	750	1,420	1,500		
-L- RT	318+36	329+75	ASU	18					
-L- LT	324+25	329+75	ASU	18					
-L- LT	333+25	337+20	ASU	18					
-L- RT	333+25	337+20	ASU	18	300	570	600		
-L- LT	372+25	373+75	ASU	18					
-L- LT & RT	372+25	373+75	ASU	18	100	190	200		
-L- RT	374+75	376+70	ASU	18					
-L- LT & RT	376+25	376+70	ASU	18	90	170	180		
-L- LT	392+30	393+75	ASU	18					
-L- RT	392+30	395+30	ASU	18	195	370	390		
-Y4- LT & RT	12+70	12+90	ASU	18					
-Y4- LT	12+90	13+15	ASU	18	50	95	100		
-Y4- LT	13+15	13+75	ASU	18					
-Y4- RT	13+15	13+75	ASU	18	175	330	350		
-Y6- LT & RT	13+20	13+75	ASU	18					
-Y6- LT	13+75	14+25	ASU	18					
-Y6- RT	13+75	14+25	ASU	18					
-Y6- LT & RT	14+25	15+15	ASU	18			250		
-Y4- LT & RT	11+80	12+70	AST	36					
-Y6- LT & RT	12+30	13+20	AST	36			250		
CONTINGENCY			ASU		1,500	2,900	3,500		
CONTINGENCY			AST				2,000	500	
TOTAL CY/TONS/SY:					4,435	8,465	11870**	500	

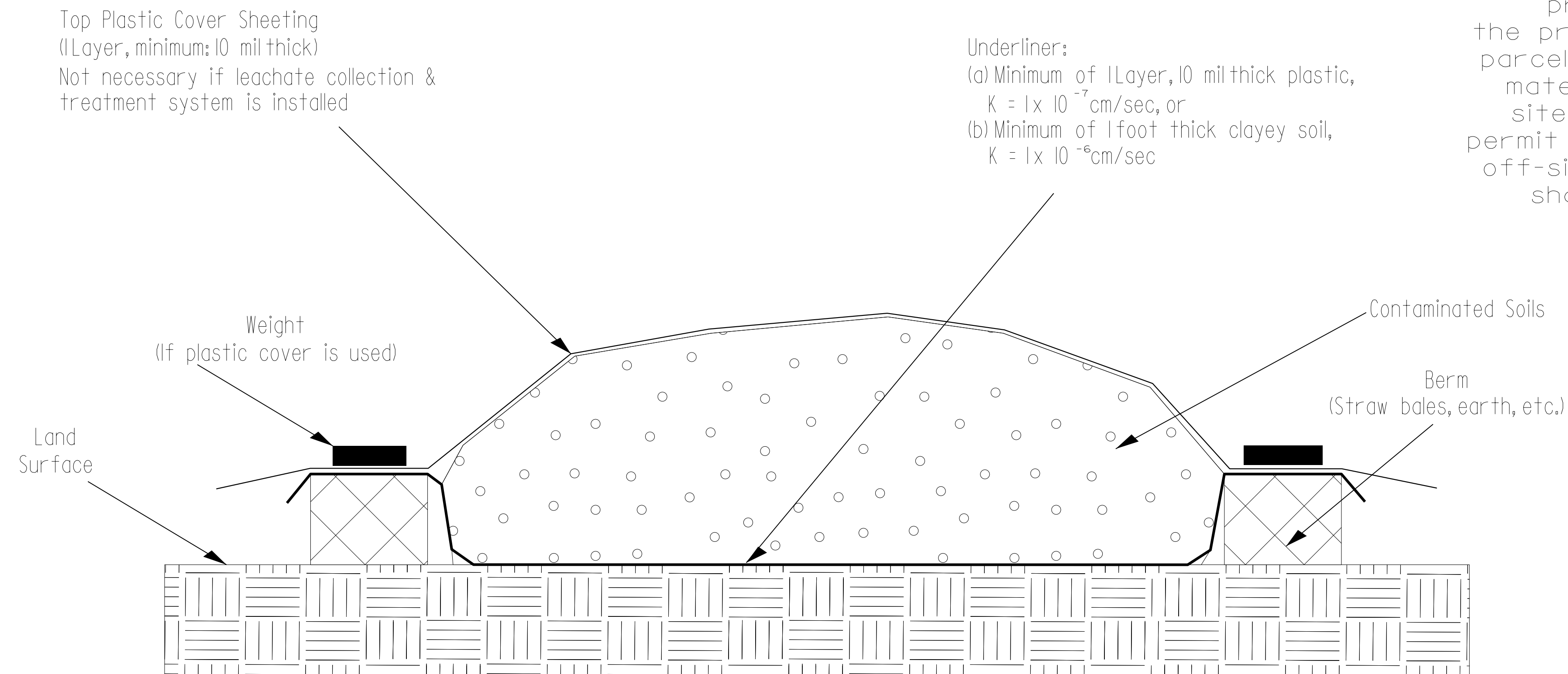
*ASU = Aggregate Subgrade

*AST = Aggregate Stabilization

**Total square yards of "Geotextile for Soil Stabilization" is only the estimated quantity for ASU/AST and may only represent a portion of the geotextile quantity shown in the Item Sheets of the Proposal.

Detail for Temporary Containment of Contaminated Soil

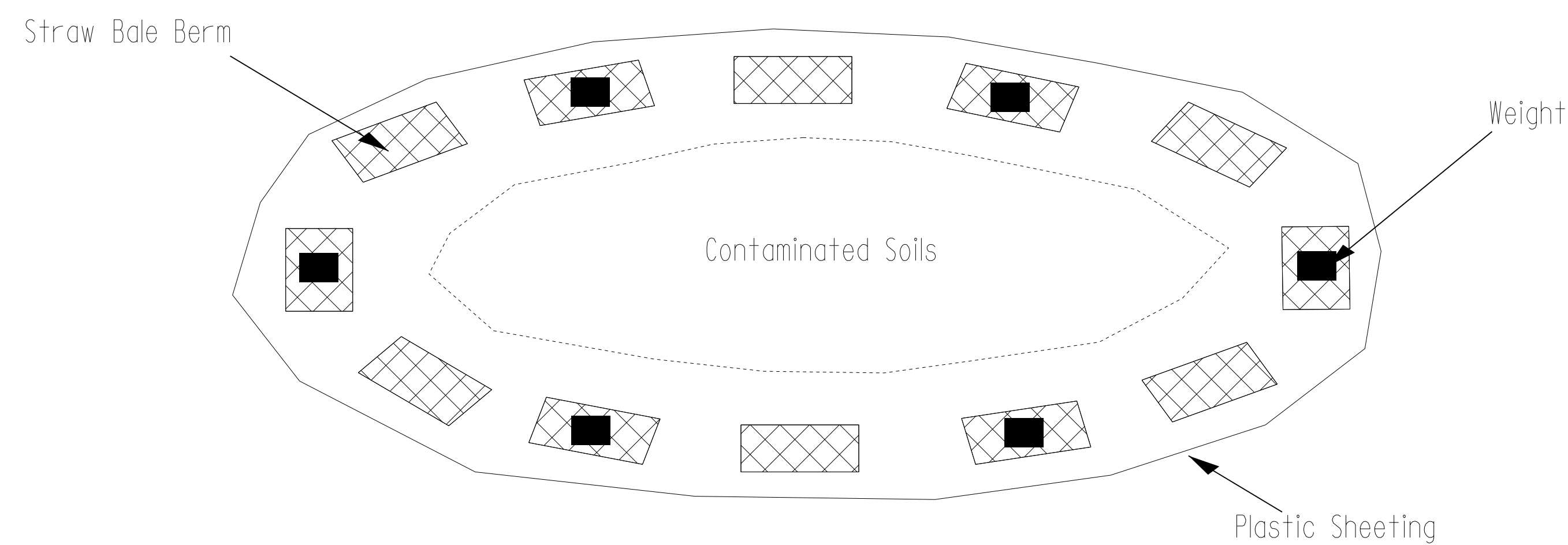
Cross-Section View



NOTE:

The Contractor shall stockpile all contaminated soil excavated from a property in a location within the property boundaries of the source parcel. If the volume of contaminated material exceeds available space on site, the Contractor shall obtain a permit from the NCDEQ UST Section for off-site temporary storage. Stockpile shall be removed within 45 days.

Map View



GEOTECHNICAL ENGINEERING UNIT

EASTERN REGIONAL OFFICE
 WESTERN REGIONAL OFFICE
 CONTRACT OFFICE

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STOCKPILE CONTAINMENT DETAIL

REVISIONS					
NO.	BY	DATE	NO.	BY	DATE
1			3		
2			4		

PREPARED BY:	DATE:
REVIEWED BY:	DATE:

**STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
PARCEL INDEX SHEET**

PARCEL No.	SHEET No.	PROPERTY OWNER NAME
1	4	LORITA SMITH PARKS AND HUSBAND BRIAN C. PARKS
2	4	W. JERRY LIPPARD
4	4	STEVIE BELL
5	4	GINA RENEE BEAVER
		WILLIAM RAYMOND BAXTER AND WIFE LUANN GULLEDGE
6	4	BAXTER
7	4	JOHN L. FUNDERBURK (WIDOWER)
8	4	CHESTER LEMLEY AND WIFE PATRICIA LEMLEY
9	4	DAVID W. PAYNE AND WIFE ELLEN M. PAYNE
10	4,5	YVONNE F. COLEY
11	4,5	THE ROWAN-SALIBURY BOARD OF EDUCATION
12	5	DANIEL & DANA WADSWORTH
13	5	VIRGIL REID PATTERSON AND WIFE CATHY B. PATTERSON
13A	5	PAMELA DENISE HINES
14	5	CARL L. MILSTEAD
15	5	WALTER GARDNER AND WIFE MELISSA GARDNER
16	5	ROSS I. LIPE AND WIFE SHIRLEY L. LIPE
17	5	WALTER H. GARDNER AND WIFE MELISSA ANNE SNIPES
18	5	STAMIE M. CLINE AND WIFE PATRICIA J. CLINE
19	5	DARRYL R. LIPE AND WIFE KIMBERLY LIPE
20	5	TONY L. SEAGRAVES AND WIFE CAROLYN P. SEAGRAVES
21	5,6	JEFFREY S. MORGAN
22	5	TAMMY RENEE SEAGRAVES
23	6	BARBARA CAROLYN PATTERSON
24	6	DWIGHT L. ROGERS
25	6	HAYDEN M. CAMPBELL, JR. AND WIFE MARSHA W. CAMPBELL
26	6	RICHARD A. WETHERBEE AND WIFE LINDA M. WETHERBEE
27	6	REGGIE H. COOK AND WIFE SHERRI L. COOK
28	6,7	WILLIAM C. TROUTMAN AND WIFE HELEN CLINE TROUTMAN
29	6	CARLOS SOTO
30	6	JEFFERY W. HENSLEY AND WIFE MAJORIE N. HENSLEY
31	6	JAMES D. BAILEY AND WIFE PHYLLIS A BAILEY
32	6,7	SUE F. BOONE AND CHARLES THOMAS FAGGART TRUSTEES
33	7	JOHN MICHAEL FOX AND WIFE CATHERINE N. FOX
34	7	GREGORY HAROLD SAFRIT
35	7	RUBY K MARTIN (LIFE ESTATE)
36A	7	BERND H & MARY K HOFMANN
36	7	EBENEZER LUTHERAN CHURCH
37	7	JIMMY H. DAVIS AND WIFE DEBRA J. DAVIS
		BOYDEN L. BROWN DALE K. BROWN & BOYDEN L. BROWN, SR
38	7	(LIFE ESTATE)
39	7,8	BOBBY LYNN PROPST ELLEN RENAE MEASMER
		BOB RAY BLEVINS (LIFE ESTATE) BETTIE BLEVINS & AMANDA D
40	7,8	LINKER
41	8	DEBORAH SAGER AND HUSBAND CHRISTOPHER SAGER
42	8	MICHAEL LEE STIREWALT
43	8	JULIA A RADER-PACIFICO (WIDOW)
44	8	JERRY RAY STIREWALT
45	8,9	GEORGE F. STIREWALT
46	8,9	MICHAEL LEE STIREWALT
47	9	JACOB H. H. SLOOP & MARY LOU SNEAD SLOOP
48	9	CHRISTOPHER CLINE AND WIFE MONTIE STIREWALT CLINE
49	9	NADINE J. OWENS (WIDOW)
		REBECCA FORD THOMASON AND HUSBAND DALE LEE
50	9	THOMASON
51	9	JACOB H. H. SLOOP AND WIFE MARY LOU SNEAD SLOOP
52	9	THE MARY ALICE CARPENTER REVOCABLE TRUST
53	9	HASKEL BROWN TROUTMAN AND WIFE LINDA I. TROUTMAN
54	9	DANNY H. SLOOP AND WIFE SUSAN B SLOOP
55	9	STEVEN C. SELLERS AND WIFE LYNN B. SELLERS
56	9,10	THE MARY ALICE CARPENTER REVOCABLE TRUST
57	9,10	TIMOTHY G. WOMBLE AND WIFE SONIA S. WOMBLE
58	10	TIMOTHY D. ROBERTS AND WIFE KIMBERLY H. ROBERTS
59	10	ALAN K. KUEHL, JR. AND WIFE LYNN N. KUEHL

PARCEL No.	SHEET No.	PROPERTY OWNER NAME
60	10,11	ALAN K. KUEHL AND WIFE ELAINE F. KUEHL
61	10	CLAUDE J. BURRIS, JR.
62	10	SHANE J. TESCH AND WIFE STEPHANIE L. TESCH
63	11	DAVID M. EAGLE AND WIFE NATASHIA D. EAGLE
64	11	EQUITY TRUST COMPANY
65	11	AMELDIA KAY WAGONER (WIDOW)
66	11	CARL DEAN MCGINNIS AND WIFE KELLY F. MCGINNIS
67	11	DIANE A. DILL AND HUSBAND KIRBY DILL
68	11	HELEN S. DOYLE
69	11	RODNEY M. GOODMAN
71	11	ROBERT MICHAEL BEVILACQUA
72	11,12	MICHAEL GRADY AND WIFE BONNIE GRADY
73	11,12	JAMES S. MOORE AND WIFE MELISSA MOORE
74	12	JERRY DEAN GARMON AND WIFE TAMMY D. GARMON
75	12	WILLIAM A LASHLEY III AND TERRI LASHLEY V
76	12	ANTHONY STEPHEN MORENO AND WIFE PATRICIA ANN MORENO
77	12,13	JUDY R. PLESS AND HUSBAND VAN STEVEN PLESS
78	12,13	HERMAN C. ABSHER AND WIFE JOY F. ABSHER
79	13	WEISS PROPERTIES, INC.
79A	13	WEISS PROPERTIES, INC.
79B	13	MIRANDA OWENS & LISA TROUTMAN
79D	13	NEW LIFE DEVELOPERS, LLC
80	13	PHANIEL BAPTIST CHURCH
79C	14	ESTATE DEVELOPERS
81	14	PANTAS PROPERTIES, LLC
82	14	LESTER RAY TROUTMAN AND WIFE ELIZABETH L. TROUTMAN
83	14	RUBY L. STOKES (LIFE ESTATE) & TIFFANY MILSTEAD SHOE
84	14,15	VAUGHN HOKE WILHELM & DICO MURPHY WILHELM (LIFE ESTATE)
85	14	TINA HODNETT
86	14,15	JOHN W. RUSSELL AND WIFE MARTHA A. RUSSELL
86A	15	JESSICA HATHCOCK
87	15	ROBERT DEAN ASHBY AND WIFE LAURA J. ASHBY
88	15	KEITH ROBERT SHUPING AND WIFE TAMMY S. SHUPING
89	15	MARIA DEL CARMEN HERNANDEZ & HORTENCIA ANDAYA
90	15,16	WENDY M. STEEN REBECCA M. BROADWAY
91	15,16	KATHRYN A. BARKLEY
92	16	GENE BRADFORD STEEN AND WIFE WENDY M. STEEN
93	16	CAROLYN L. BOYD
94	16	CHUCK E. BROADWAY AND WIFE REBECCA M. BROADWAY
95	16	DUANE HOWARD WOODIE
96	16	DALE ROBIN WOODIE & REBA WOODIE (WIDOW)
97	16,17	GERALD EDWARDS JANET W. EDWARDS
98	16-18	DENNIS A. DANIELS AND WIFE AMY DANIELS
99	17	WANDA ANN GRIFFIN ADKINS CYNTHIA JO GRIFFIN
100	17	THOMAS W. COLMAN & CHERYL A. COLMAN
101	17	WESLEY D. EDISON
102	17	EVA MAE PHILLIPS (WIDOW)
103	17	MICHAEL B. MILEM
105	17,18	RONALD S. WALKER AND WIFE DAWN SHINN WALKER
106	18	DENNIS A. DANIELS AND WIFE AMY A. DANIELS
107	18	ERIC L. MOORE
108	18	RODNEY LEE MOORE AND WIFE TONYA H. MOORE
109	18	JOE WAYNE MOORE AND WIFE VIRGIE C. MOORE
110	18	DANIEL D. DUGANNE, JR.
111	18,19	JOHN G. COLLINS
112	18,19	WILLIAM C. PREVETTE AND WIFE HARRIET L. PREVETTE
113	19	WILLIAM JUNIOR GILBERT AND WIFE GLENDA FAYE GILBERT
114	19	DORA W. SLOOP (WIDOW)
115	19	MICHAEL O'BRIANT PARROTT AND WIFE HAVEN PARROTT
116	19	JOHN G. COLLINS & LEA ANN COLLINS BUCKWELL

**STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS**

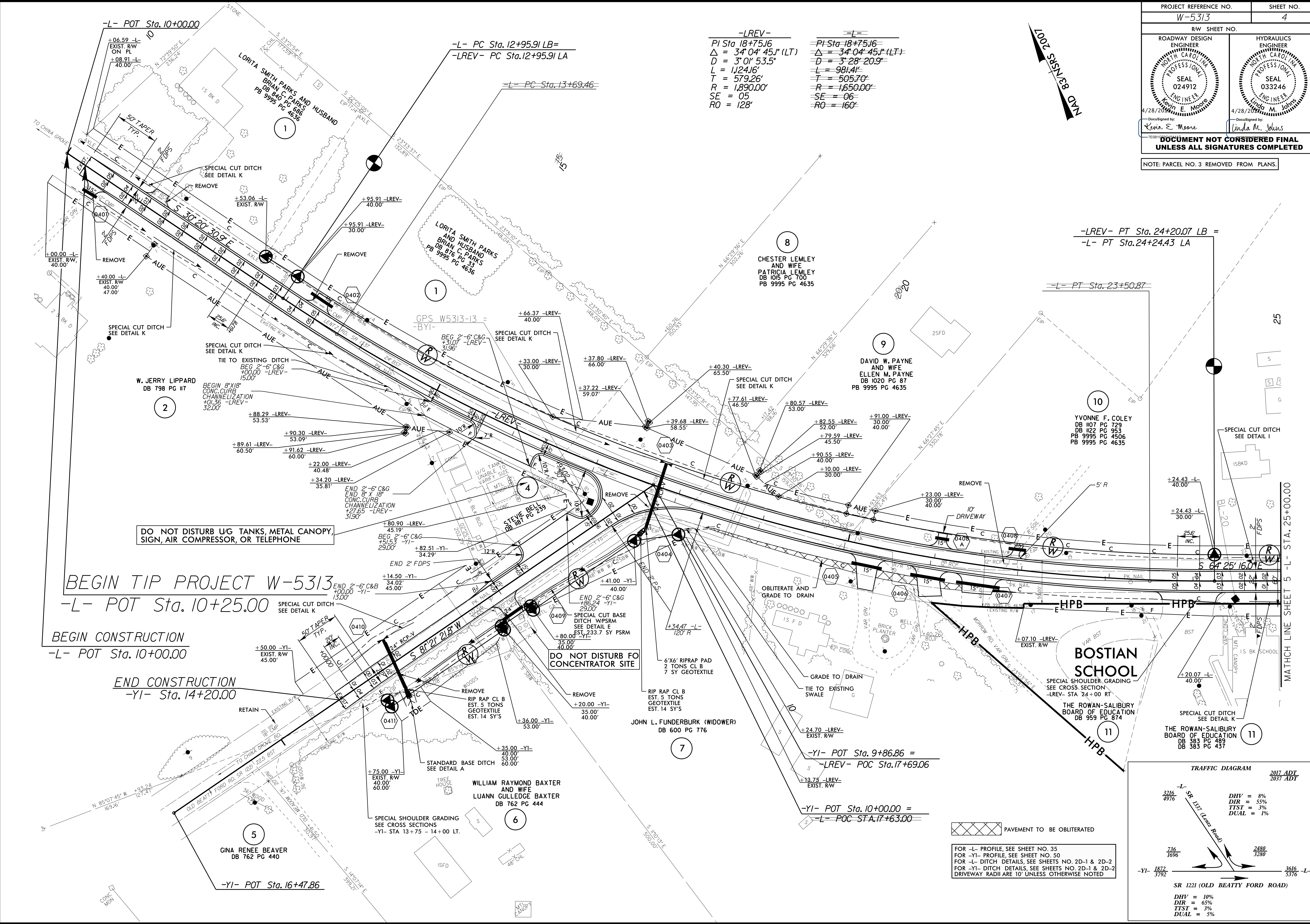
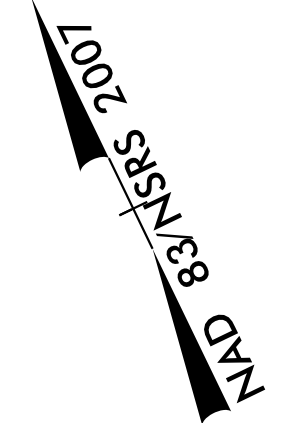
PARCEL INDEX SHEET

PARCEL No.	SHEET No.	PROPERTY OWNER NAME
117	19,20	MYRA K. BOST
118	19,20	STEVE M. CANDLER AND WIFE FRED A. G. CHANDLER
119	19	JANE K. HONBARRIER
120	20	JANET K. STANCIL AND JEFFERY VANCE KING
121	20	JEFFERY VANCE KING & JANET KING STANCIL
122	20	LANE C. BROWN
123	20,21	RICHARD BROYLES
124	21	GREGORY J. TAYLOR & MARYON L. TAYLOR
125	21	JAMES F. HAITHCOCK AND WIFE SHARON D. HAITHCOCK
126	21	GEORGE W. BOYD, III AND WIFE PATRICIA S. BOYD
127	21	REBECCA LOUISE SIFFORD
128	22	LARRY ALLEN BELL AND WIFE JULIE DEAL BELL
129	22	RONALD W. MEISNER AND WIFE KATRINA B. MEISNER
130	22	DARRELL L. MARTIN AND WIFE DEBORAH D. MARTIN
130A	22	ROBERT A. SEVERT
130B	22	JULIA D. BELL
131	22	KAREN JOHNSON AND HUSBAND JAY JOHNSON
133	22	STEVEN G. HOWARD AND WIFE LISA T. HOWARD
134	22	RONNIE L. HINSON AND WIFE REGINA F. HINSON
134A	22	FRANKLIN DALE ALDRIDGE
135	22	FRANK S. STILLER BRENDA K. STILLER
136	22	RONALD TAYLOR & WIFE, SHEILA TAYLOR
137	22	ANTHONY J. GRANET, III AND WIFE MICHELLE L. GRANET
138	22,23	RONALD D. TAYLOR AND WIFE SHEILA M. TAYLOR
139	22,23	BRYANT MOWERY
140	23	RODNEY S. MAHALEY AND WIFE DANA W. MAHALEY
141	23	MILDRED C. MOORE
142	23	ANDREW N. FRICK AND WIFE MACHELLE S. FRICK
143	23	GARRET J. GOBLE AND WIFE RAINA S. GOBLE
144	23	STOLZ FAMILY LIMITED PARTNERSHIP
145	23,24	EDITH KETNER
146	23,24	JOHN LAWRENCE GOODWIN AND WIFE CAROL GOODWIN
147	24	LENEA SHERRILL GOBLE (WIDOW)
148	24	DONALD F. RAINES
149	24	CLAUDE M. WEAVER AND WIFE BETTY J. WEAVER
150	24	MARK L. BROWN AND WIFE TINA M. BROWN
151	24	JOHN LEE NEWELL AND WIFE CHRISTINE K. NEWELL
153	24,25	JANIE I. MARTIN AND HUSBAND STEPHEN S. MARTIN
154	25	MICHAEL HAROLD MILLER
168	26	CORINNA ROBERTSON & STEVEN ROBERTSON
167	26,27	DONNIE GENE ROBBINS AND WIFE JANICE S. ROBBINS ANDREW M. BROWN OR SARA W. BROWN (TRUSTEES OF THE BROWN REVOCABLE TRUST)
169	26,27	GINGER M. PARKER
170	27	ROBERT L. MASSEY AND WIFE PEGGY J. MASSEY
171	27	ERIC L. BROWN
172	27	LUCETTA ANNE MILLER AND HUSBAND CLARENCE WAYNE MILLER
173	27	ANDREW M. BROWN OR SARA W. BROWN (TRUSTEES OF THE BROWN REVOCABLE TRUST)
174	27	JEFFREY T. MISENHEIMER AND WIFE PATRICIA MISENHEIMER
175	27	ANDREW NORMAN FRICK AND WIFE MACHELLE S. FRICK
176	27,28	JOYCE R. MISENHEIMER (WIDOW)
177	27	RUSSELL D. FREEMAN AND WIFE WENDY MOORE FREEMAN
178	27,28	VERNA J. COLEY (WIDOW)
179	28	RYBURN FARM EQUIPMENT COMPANY
179A	28	RYBURN FARM EQUIPMENT COMPANY
179B	28	RYBURN FARM EQUIPMENT COMPANY
180	28	REBECCA FOIL ANDERSON (WIDOW)
181	28,29	JAMES LEE HOFFNER AND WIFE HELEN M. HOFFNER
182	28	RYBURN FARM EQUIPMENT COMPANY
182A	28	RYBURN FARM EQUIPMENT COMPANY
182B	28	RYBURN FARM EQUIPMENT COMPANY
183	28	TRUSTEES OF VISION BAPTIST CHURCH
184	28,29	ALINE B. VEACH & CONNIE V. POOLE

PARCEL No.	SHEET No.	PROPERTY OWNER NAME
185	29	MEDLEY RENTALS, INC.
186	29	HUBERT RANDY GOODMAN
187	29	RODNEY MACK GOODMAN
188	29,30	TONY D. MISENHEIMER AND WIFE PAMELA H. MISENHEIMER
189	29	CHRISTINE GOODMAN CULP
190	29	FREDERICK L. DIEHL AND WIFE LORI ANN DIEHL
191	29,30	JEFFREY S. WRIGHT AND SHANNON D. SMITH
192	30	DAVID MICHAEL LEAR AND WIFE DALE S. LEAR
193	30	NATHAN J. ADAMS AND WIFE PEGGY RUSSELL ADAMS BROWNIE FISHER STIREWALT (WIDOW) & STEVEN L. STIREWALT & KAREN S. STIREWALT
194	30	NATHAN SCOTT ADAMS AND WIFE KRISTY JENAN FREE ADAMS
195	30	STEVEN LEE STIREWALT AND WIFE KAREN S. STIREWALT
196	30	NATHAN J. ADAMS AND WIFE PEGGY RUSSELL ADAMS
197	30,31	DANNY JOE KNIGHT
198	30,31	ROBERT HOLMES BROWN
199	31	DEAN L. TROUTMAN
200	31	CALVIN LEE KEPLEY AND WIFE SHELBY B. KEPLEY
201	31	MELISSA KAY COWAN
202	31	JEREMY C. KEPLEY AND KRISTINA L. RINGER
203	31	GUY WALTER BEAM AND WIFE FRANCES SHOE BEAM
204	31	DONALD L. RAKES AND WIFE SHIRLEY G. RAKES
205	31,32	TONY D. SALAMONE NANCY MARIE SALAMONE
206	32	SUSAN MICHELLE BURRIS
207	32	DANIEL SCHENK AND WIFE HOPE SCHENK
208	32	HAROLD MURRAY SAUDER AND WIFE SHIRLEY CRAIG SAUDER
210	32	JAMES G. LYNCH MILDRED W. LYNCH
211	32	JOSEPH FRANKLIN LYLES, JR. AND WIFE JENNIFER LEWIS LYLES
212	32,33	GRACE LOWERSTONE UNITED CHURCH OF CHRIST
213	33,34	BARTLETT
214	33,34	WALTER L. LINK
215	34	ROCKWELL RURAL FIRE DEPARTMENT, INC.
216	34	SIMON TEODOROVICI & WIFE, KAREN S. TEODOROVICI
217	34	SIMON TEODOROVICI & WIFE, KAREN S. TEODOROVICI
218	34	CHARLES RAY MILLER AND WIFE BETTY MILLER
219	34	

-LREV-
 PI Sta 18+75.16
 $\Delta = 34^{\circ} 04' 45.1" (LT)$
 $D = 3^{\circ} 01' 53.5"$
 $L = 1124.16'$
 $T = 579.26'$
 $SE = 05$
 $RO = 128'$

-L-
 PI Sta 18+75.16
 $\Delta = 34^{\circ} 04' 45.1" (LT)$
 $D = 3^{\circ} 28' 20.9"$
 $L = 981.41'$
 $T = 505.70'$
 $R = 1650.00'$
 $SE = 06$
 $RO = 160'$

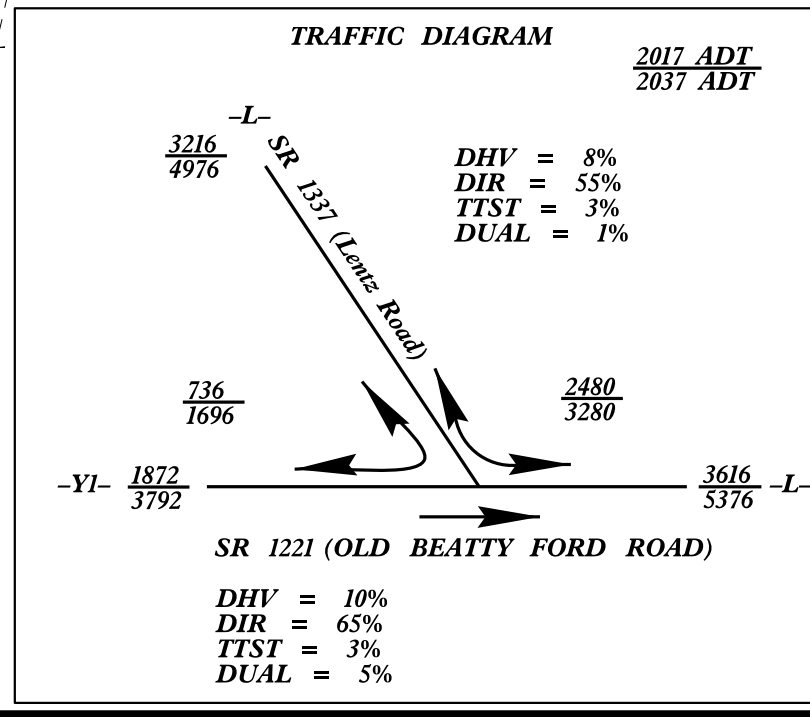


REVISIONS

8/17/199

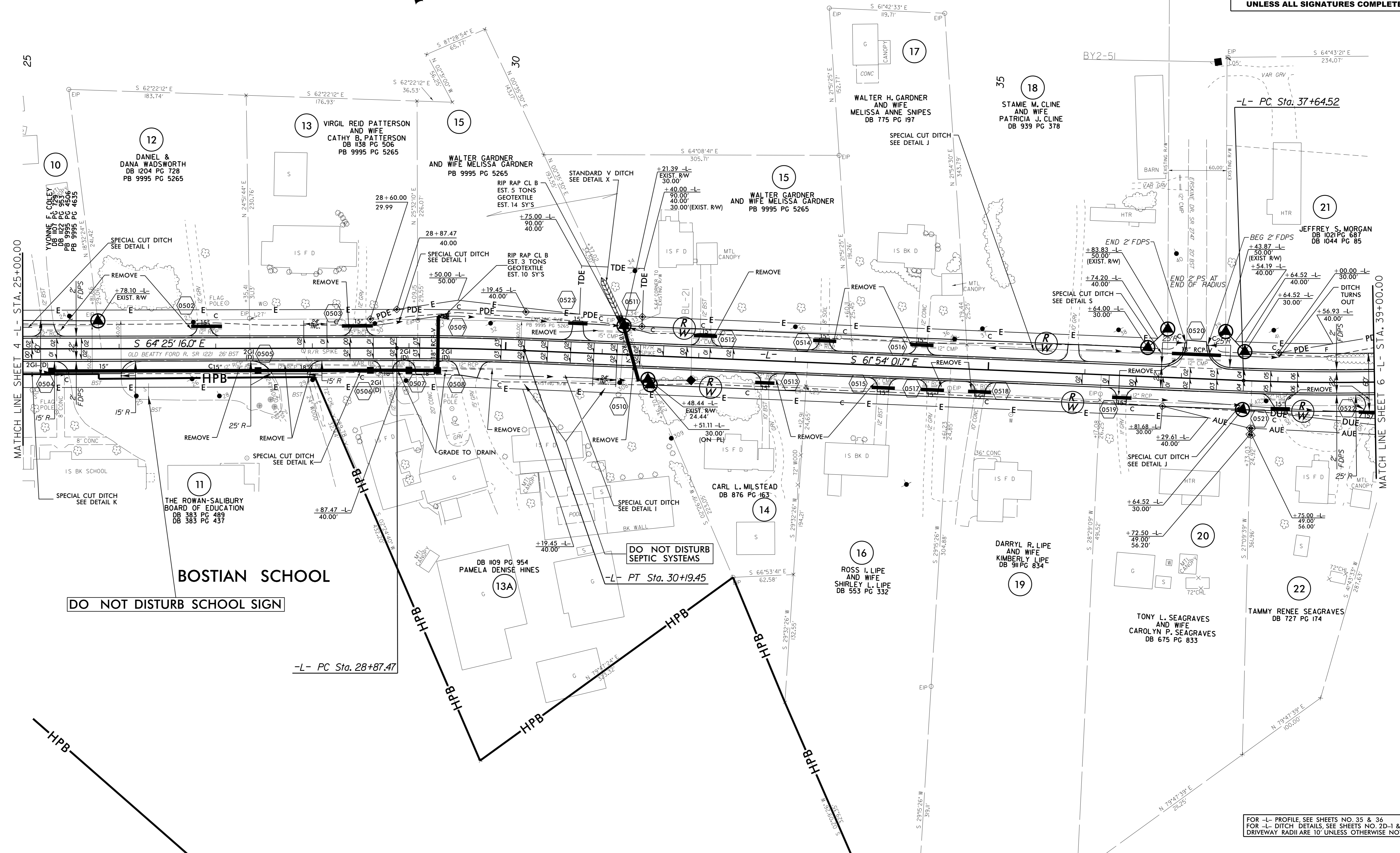
28-APR-2017 10:33 W:\5313-Rdw-psh-sh-04.dgn
 9:54 AM USER:RDM:WF 848

FOR -L- PROFILE, SEE SHEET NO. 35
 FOR -YI- PROFILE, SEE SHEET NO. 50
 FOR -L- DITCH DETAILS, SEE SHEETS NO. 2D-1 & 2D-2
 FOR -YI- DITCH DETAILS, SEE SHEETS NO. 2D-1 & 2D-2
 DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED



MATCH LINE SHEET 5 -L- STA. 25+00.00

-L-	-L-
PI Sta 29+53.47	PI Sta 40+64.54
$\Delta = 2' 31" 14.3" (RT)$	$\Delta = 15' 11" 24.8" (LT)$
$D = 1' 54" 35.5"$	$D = 2' 32" 47.3"$
$L = 131.98'$	$L = 596.52'$
$T = 66.00'$	$T = 300.02'$
$R = 3,000.00'$	$R = 2,250.00'$
$SE = 03$	$SE = 06$
$RO = SEE PLANS$	$RO = 167'$



MATCH LINE SHEET 4 - L - STA. 25+00.00

MATCH LINE SHEET 6 - L - STA. 39+00.00

DO NOT DISTURB SCHOOL SIGN

DO NOT DISTURB SEPTIC SYSTEMS

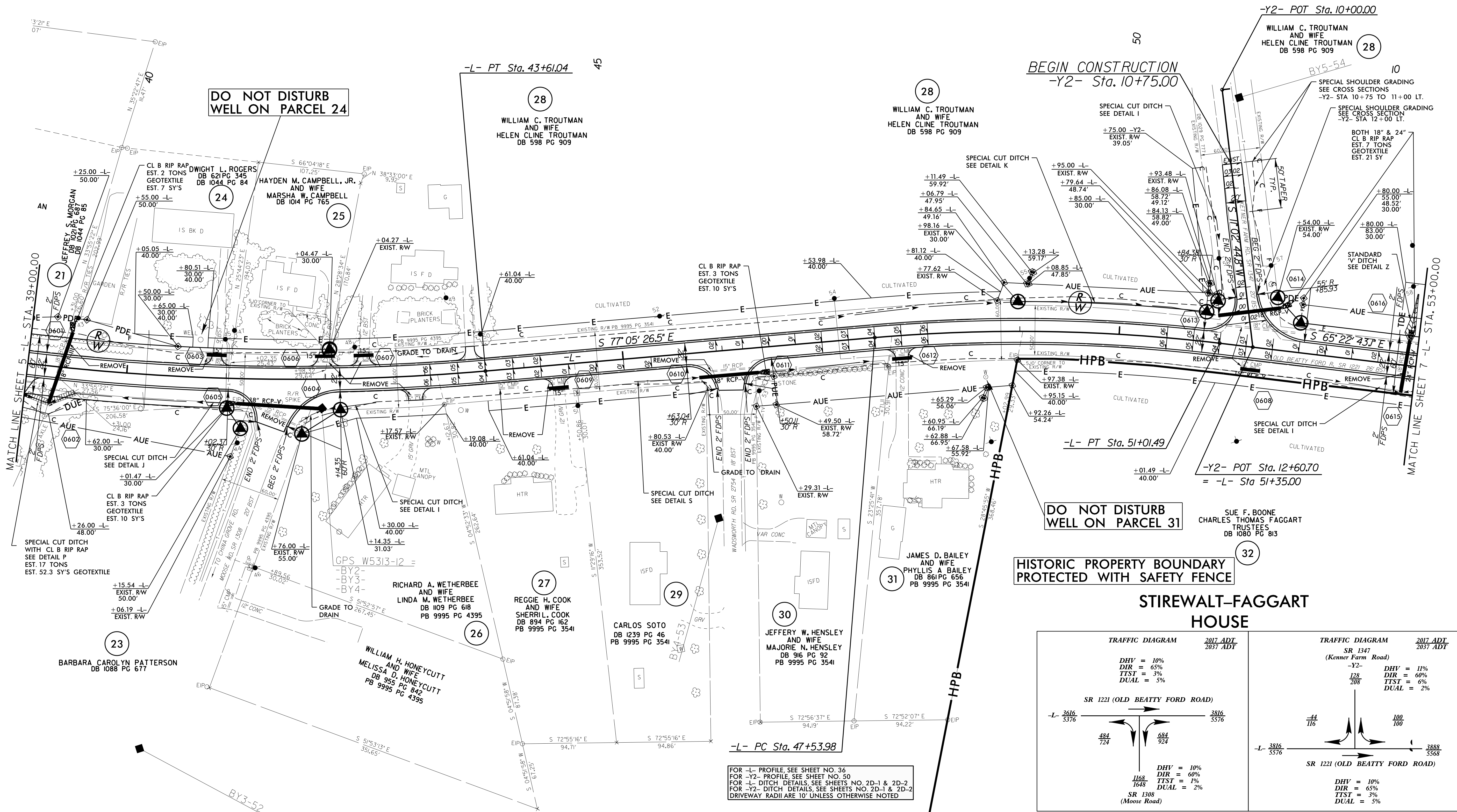
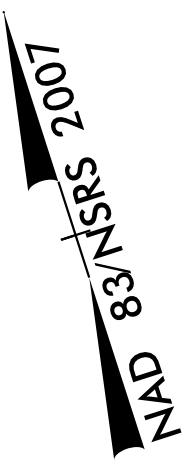
FOR -L- PROFILE SEE SHEETS NO. 35 & 36
FOR -L- DITCH DETAILS, SEE SHEETS NO. 2D-1 & 2D-2
DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED

REVISIONS

8/17/99

28-MAR-2017 14:28 W-5313_RedL_psh.shx:05.dgn
5:58:50 PM SEPERMANE

-L-
 PI Sta 40+64.54 PI Sta 49+28.34
 $\Delta = 15' 11" 24.8" (LT)$ $\Delta = 11' 42" 43.4" (RT)$
 $D = 2' 32" 47.3"$ $D = 3' 22" 13.2"$
 $L = 596.52'$ $L = 347.50'$
 $T = 300.02'$ $T = 174.36'$
 $R = 2,250.00'$ $R = 1,700.00'$
 $SE = 06'$ $SE = 06'$
 $RO = 167'$ $RO = 160'$

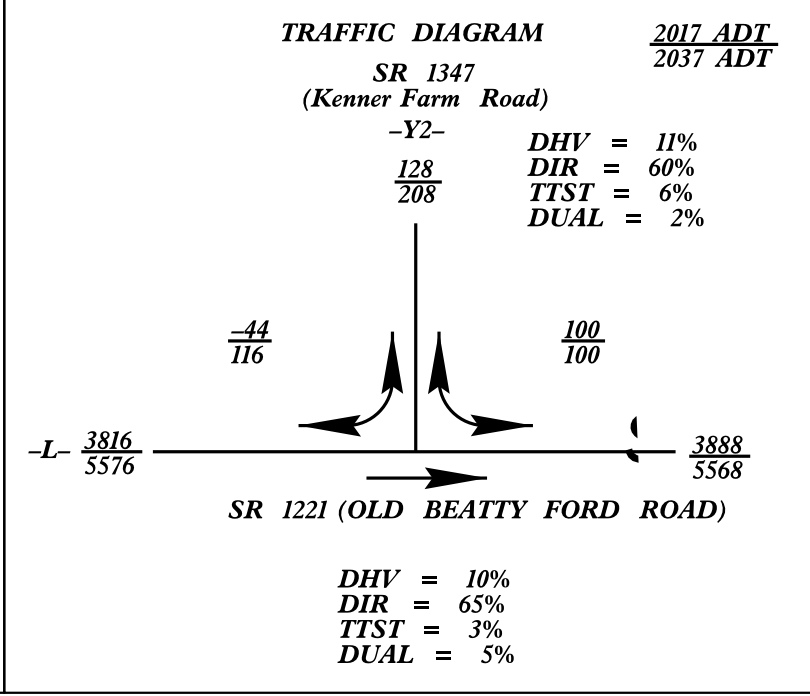
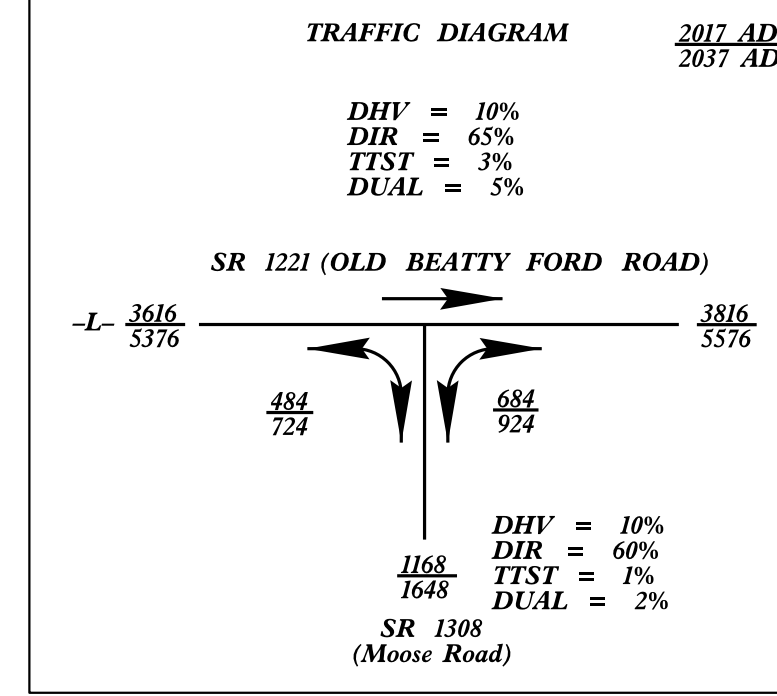


BEGIN CONSTRUCTION
 -Y2- Sta. 10+75.00

DO NOT DISTURB WELL ON PARCEL 31

HISTORIC PROPERTY BOUNDARY PROTECTED WITH SAFETY FENCE

STIREWALT-FAGGART HOUSE

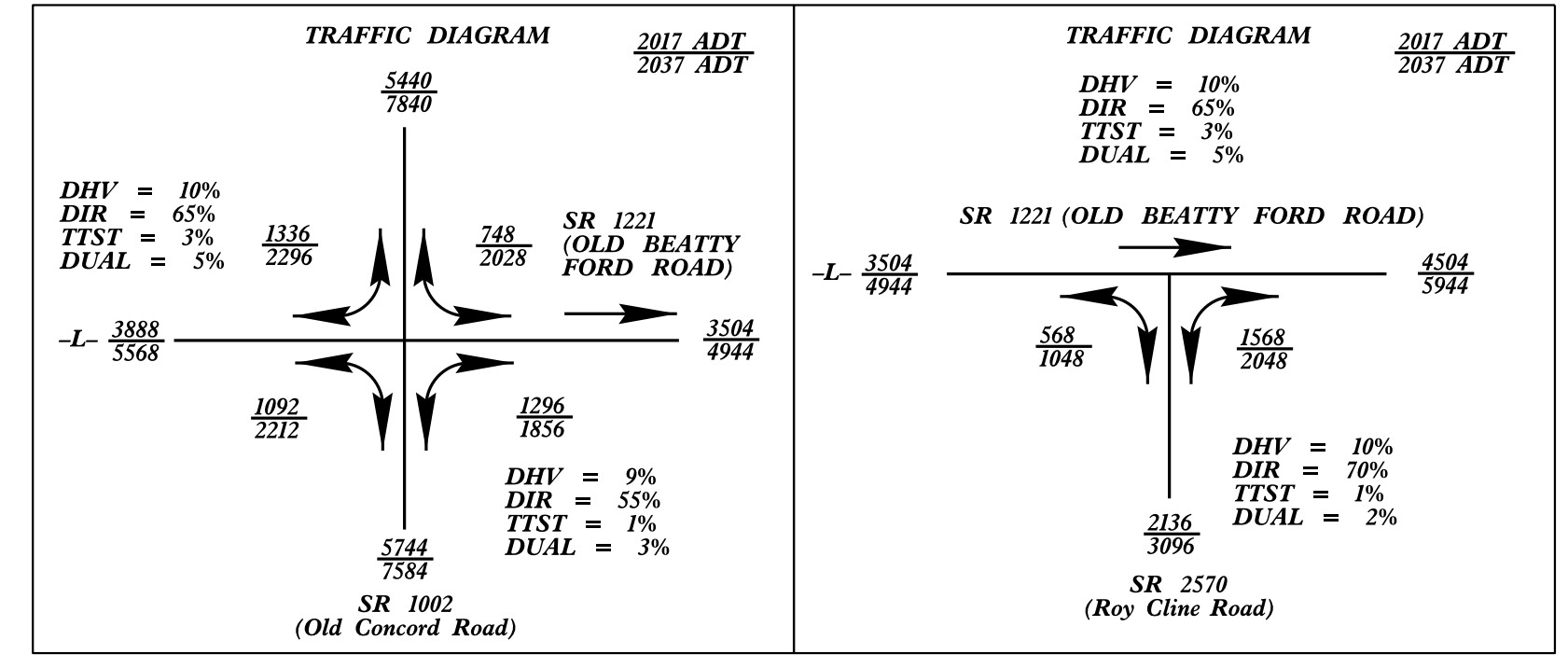


FOR -L- PROFILE SEE SHEET NO. 36
 FOR -Y2- PROFILE SEE SHEET NO. 50
 FOR -L- DITCH DETAILS SEE SHEETS NO. 2D-1 & 2D-2
 FOR -Y2- DITCH DETAILS SEE SHEETS NO. 2D-1 & 2D-2
 DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED

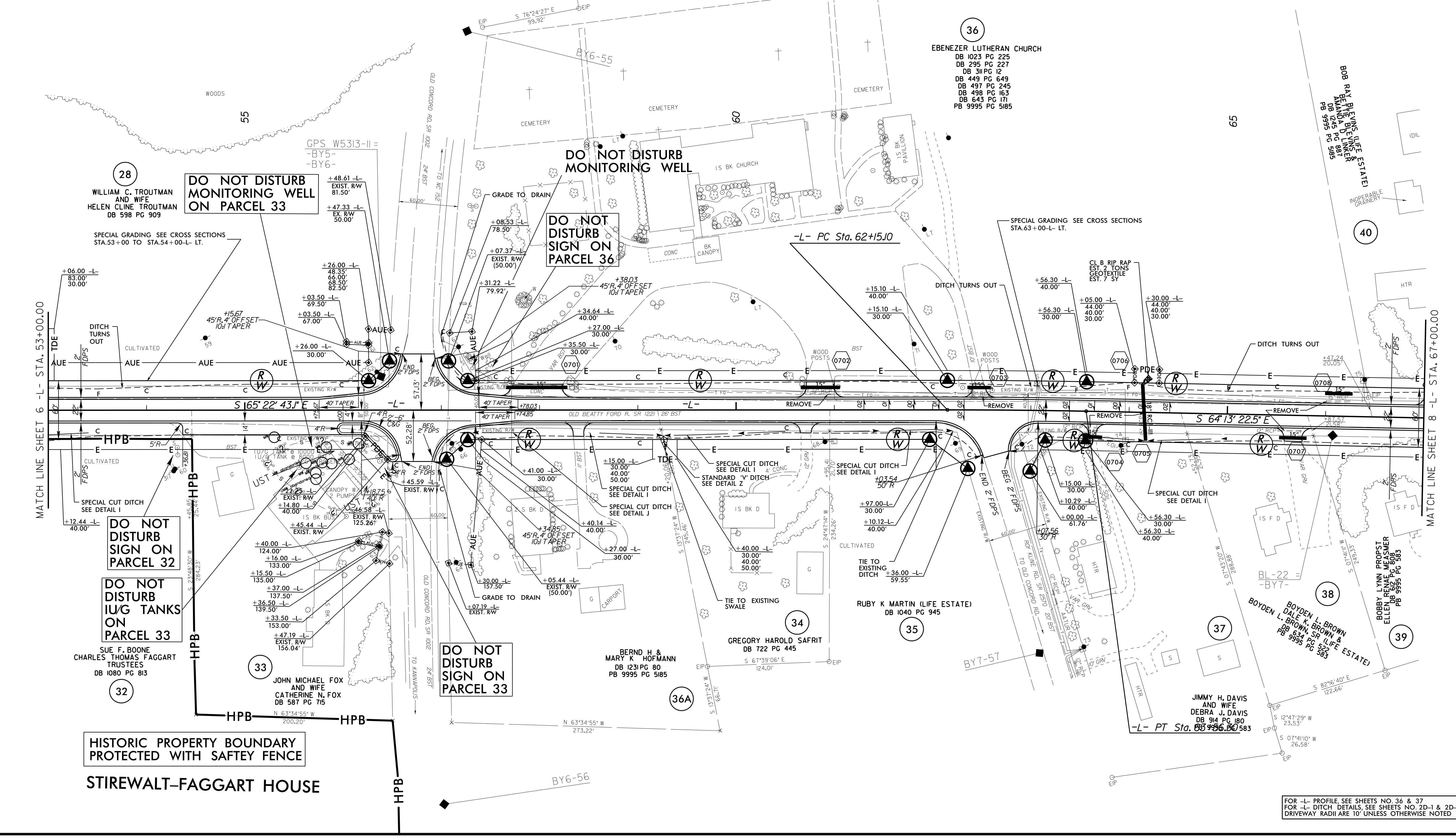
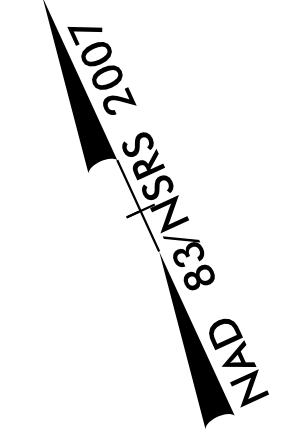
REVISIONS

8/17/99

28-APR-2017 10:32 W-5313-Rdw_psh-sh-06.dgn
 93434038-PRJ-NAME



-L-
PI Sta 62+85.70
 $\Delta = 1^{\circ}09'20.6''$ (RT)
D = 0' 49' 06.6"
L = 141.20'
T = 70.60'
R = 7,000.00'
SE = 02
RO = 5'



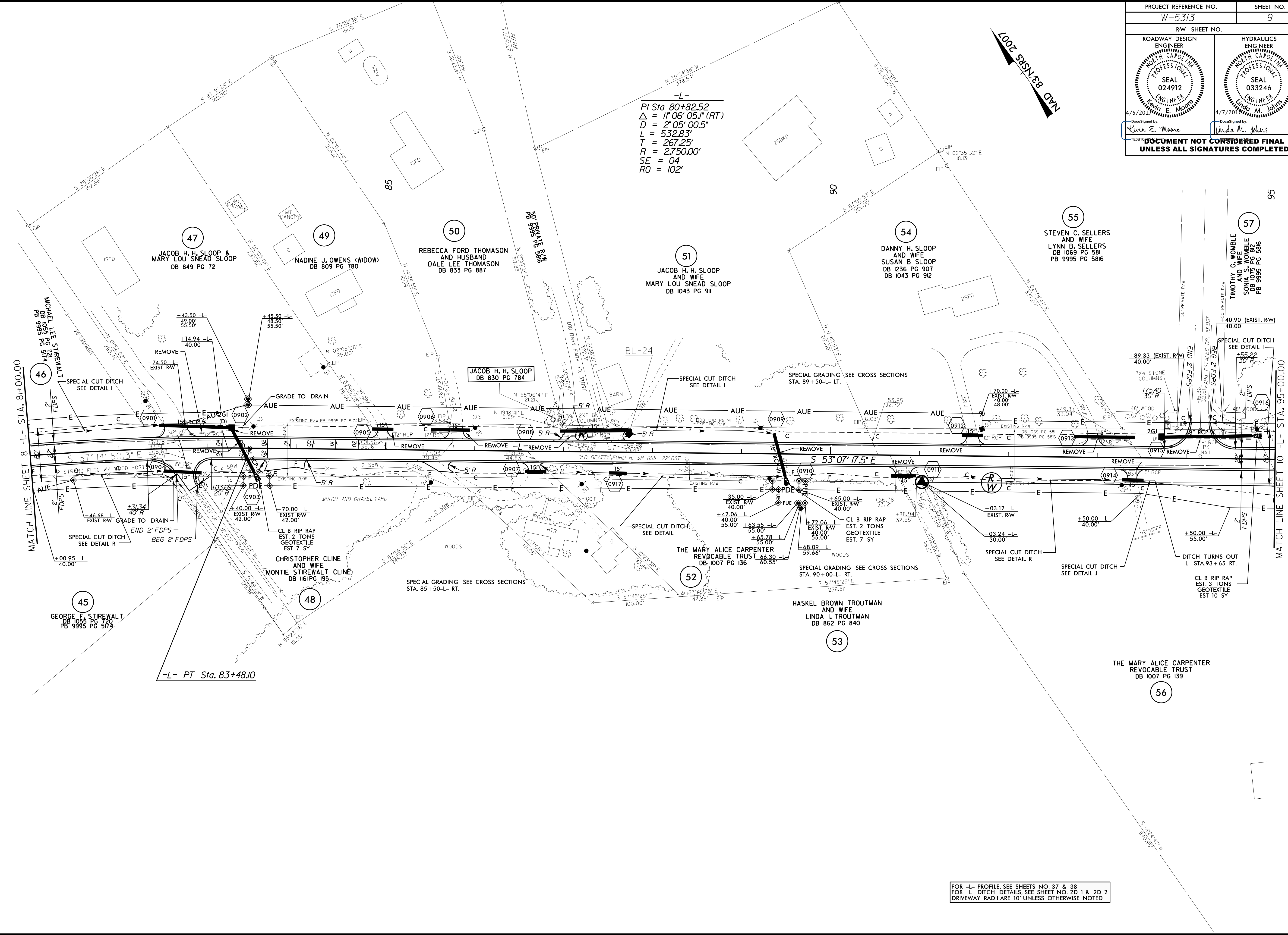
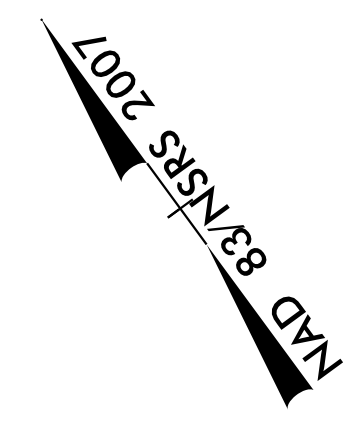
REVISIONS

28-APR-2017 10:32 W-5313-Rdy-sh.dwg
9:58:50 AM

FOR -L- PROFILE, SEE SHEETS NO. 36 & 37
FOR -L- DITCH DETAILS, SEE SHEETS NO. 2D-1 & 2D-2
DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED

PROJECT REFERENCE NO. W-5313	SHEET NO. 9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER KARL CAROLIN PROFESSIONAL SEAL 024912 4/5/2017 Kevin E. Moore	HYDRAULICS ENGINEER LINDA M. JOHNS PROFESSIONAL SEAL 033246 4/7/2017 Linda M. Johns
<p>DocuSigned by: Kevin E. Moore</p> <p>DocuSigned by: Linda M. Johns</p> <p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	

-L-
 PI Sta 80+82.52
 $\Delta = 1' 06' 05.1" (RT)$
 $D = 2' 05' 00.5"$
 $L = 532.83'$
 $T = 267.25'$
 $R = 2750.00'$
 $SE = 04$
 $RO = 102'$



REVISIONS

FOR -L- PROFILE SEE SHEETS NO. 37 & 38
 FOR -L- DITCH DETAILS, SEE SHEET NO. 2D-1 & 2D-2
 DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED

8/17/19

28-MAR-2017 14:25 W-5313-Rdy_psh-sh109.dgn
 3:58:50 PM

PROJECT REFERENCE NO. W-5313	SHEET NO. 10
RW SHEET NO.	
ROADWAY DESIGN ENGINEER KAREN E. MOORE PROFESSIONAL SEAL 024912 ENGINEER 4/5/2017	HYDRAULICS ENGINEER LINDA M. JOHNS PROFESSIONAL SEAL 033246 ENGINEER 4/7/2017
Documented by: Karen E. Moore Drawn by: Linda M. Johns DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

57
TIMOTHY C. WOMBLE AND WIFE
SONIA S. WOMBLE
DB 1075 PG 812
PB 9995 PG 5816

-L-
PI Sta. 99+94.83
 $\Delta = 18^{\circ} 43' 07.4" (LT)$
D = 2' 47' 41.7"
L = 669.74'
T = 337.88'
R = 2,050.00'
SE = 05
RO = 128'

62
SHANE J. TESCH AND WIFE
STEPHANIE L. TESCH
DB 1165 PG 435

58
TIMOTHY D. ROBERTS AND WIFE
KIMBERLY H. ROBERTS
DB 613 PG 902

61
CLAUDE J. BURRIS, JR.
DB 1083 PG 754

SPECIAL GRADING
SEE CROSS SECTIONS
STA. 96+00 & STA. 96+50 LT.

FALSE SUMP
SEE DETAIL AI & CROSS SECTION
STA. 96+00 LT.

SPECIAL CUT DITCH
SEE DETAIL J

SPECIAL CUT BASE DITCH
SEE DETAIL D

SPECIAL CUT DITCH
SEE DETAIL R

MATCH LINE SHEET 9 -L- STA. 95+00.00

MATCH LINE SHEET 11 -L- STA. 108+60.00

CL B RIP RAP
EST. 2 TONS
GEOTEXTILE
EST. 7 SY

CL B RIP RAP
EST. 2 TONS
GEOTEXTILE
EST. 7 SY

STANDARD 'V' DITCH
SEE DETAIL Y

56
THE MARY ALICE CARPENTER
REVOCABLE TRUST
DB 1007 PG 139

59
ALAN K. KUEHL, JR.
AND WIFE
LYNN N. KUEHL
DB 763 PG 631

60
ALAN K. KUEHL
AND WIFE
ELAINE F. KUEHL
DB 610 PG 22

60
ALAN K. KUEHL
AND WIFE
ELAINE F. KUEHL
DB 610 PG 22

FOR -L- PROFILE, SEE SHEET NO. 38
FOR -L- DITCH DETAILS, SEE SHEETS NO. 2D-1 & 2D-2
DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED

REVISIONS

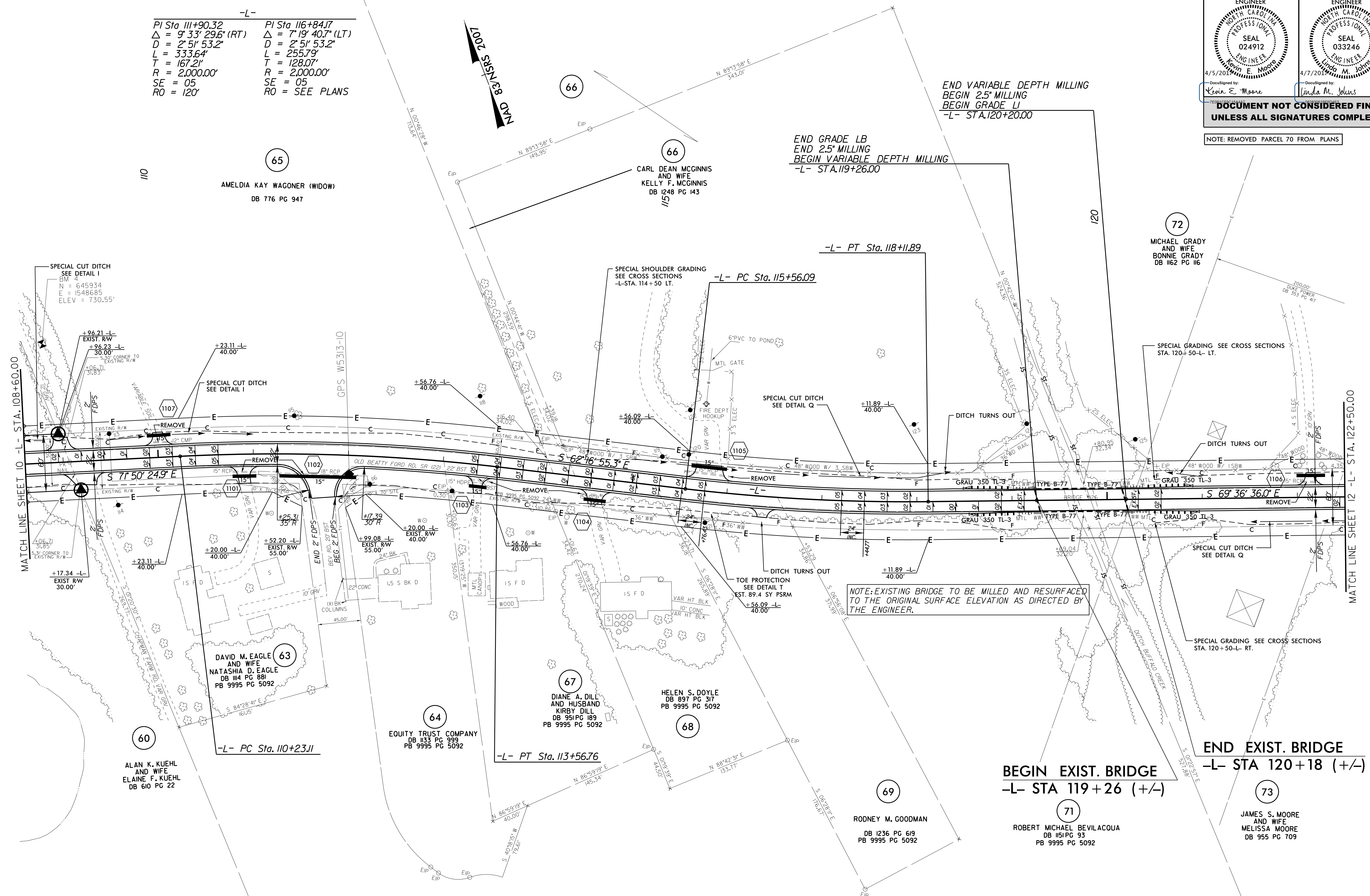
8/17/99

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PROJECT REFERENCE NO. W-5313	SHEET NO. 11
RW SHEET NO.	
ROADWAY DESIGN ENGINEER KIM E. MOORE PROFESSIONAL SEAL 024912 4/5/2017	HYDRAULICS ENGINEER LINDA M. JOHNS PROFESSIONAL SEAL 033246 4/7/2017
Documented by: <i>Kevin E. Moore</i> Documented by: <i>Linda M. Johns</i>	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

NOTE: REMOVED PARCEL 70 FROM PLANS

-L-
 PI Sta 111+90.32 PI Sta 116+84.17
 $\Delta = 9^{\circ} 33' 29.6" (RT)$ $\Delta = 7^{\circ} 19' 40.7" (LT)$
 $D = 2^{\circ} 51' 53.2"$ $D = 2^{\circ} 51' 53.2"$
 $L = 333.64'$ $L = 255.79'$
 $T = 167.21'$ $T = 128.07'$
 $R = 2,000.00'$ $R = 2,000.00'$
 $SE = 05$ $SE = 05$
 $RO = 120'$ $RO = SEE PLANS$



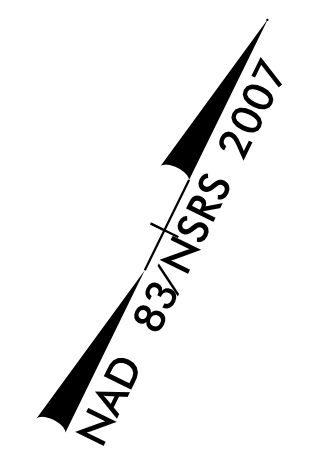
REVISIONS

8/17/99

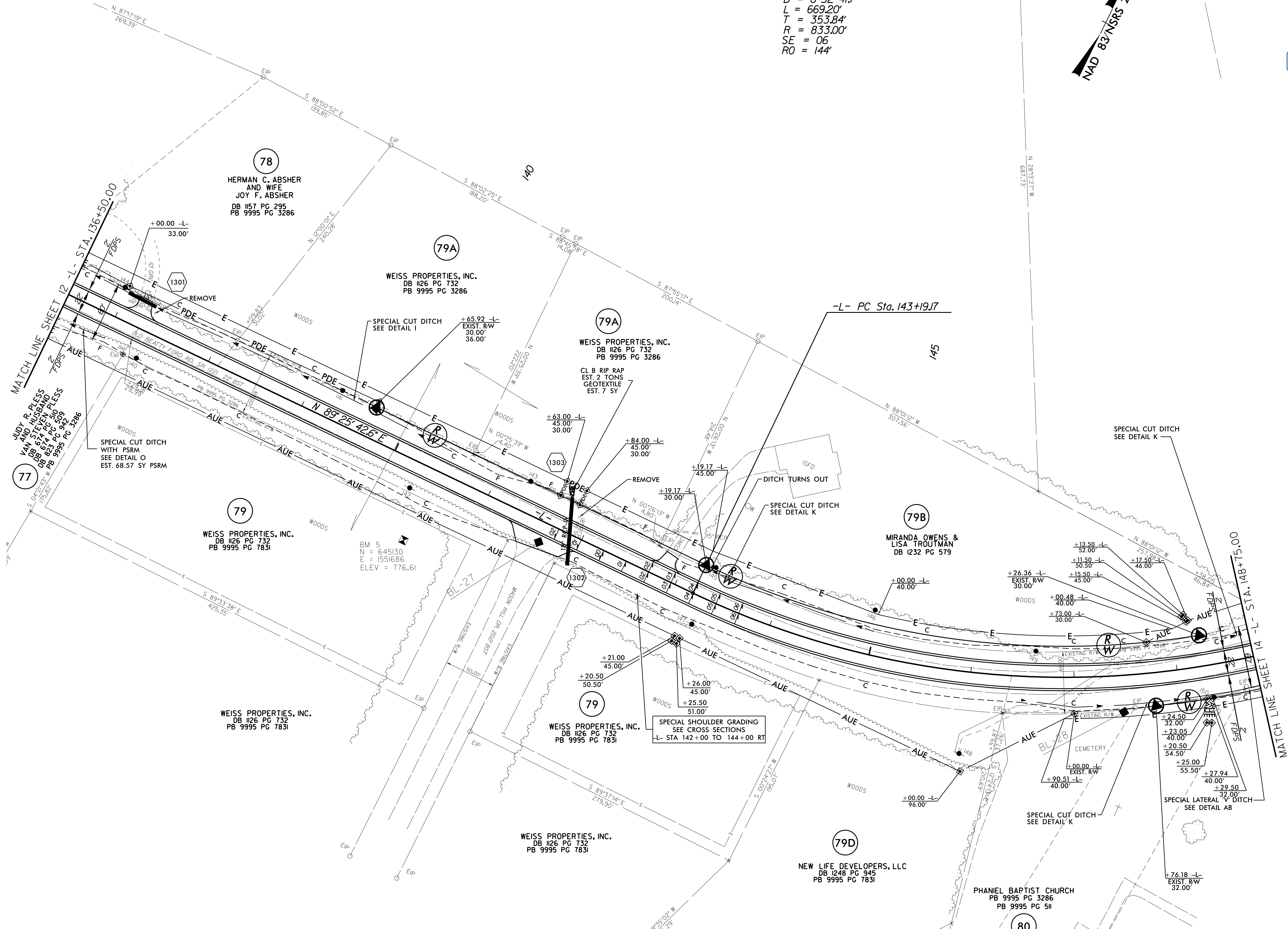
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FOR -L- PROFILE, SEE SHEETS NO. 38 & 39
 FOR -L- DITCH DETAILS, SEE SHEETS NO. 2D-1 & 2D-2
 DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED

-L-
 PI Sta 146+73.01
 $\Delta = 46^{\circ}01'45.4" (LT)$
 $D = 6^{\circ}52'41.7"$
 $L = 669.20'$
 $T = 353.84'$
 $R = 833.00'$
 $SE = 06$
 $RO = 144'$



REVISIONS



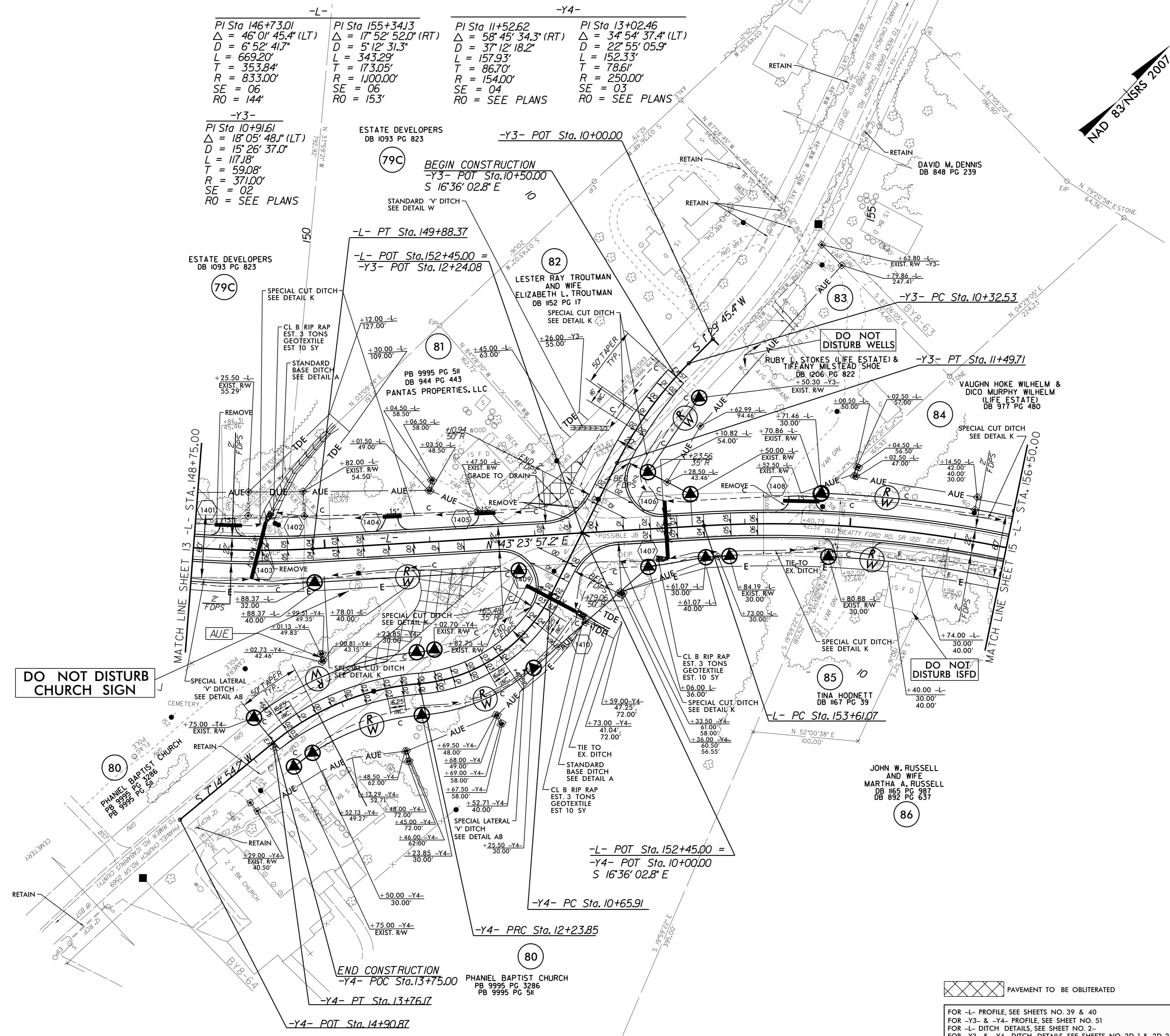
FOR -L- PROFILE, SEE SHEET NO. 39
 FOR -L- DITCH DETAILS, SEE SHEETS NO. 2D-1 & 2D-2
 DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED

8/17/99

28-MAR-2017 14:28 W-5313-Rdw_psh_sht13.dgn
 9:58:50 PM W-5313-RDW_PSH_SHT13.DGN



<p>-Y3-</p> <p>PI Sta 10+91.61 $\Delta = 18' 05' 48.1''$ (LT) $D = 15' 26' 37.0''$ $L = 117.18'$ $T = 59.08'$ $R = 371.00'$ $SE = 02$ $RO = \text{SEE PLANS}$</p>	<p>-Y3-</p> <p>PI Sta 155+34.3 $\Delta = 17' 52' 52.0''$ (RT) $D = 5' 12' 31.3''$ $L = 343.29'$ $T = 173.05'$ $R = 1,100.00'$ $SE = 06$ $RO = 153'$</p>	<p>-Y4-</p> <p>PI Sta 11+52.62 $\Delta = 58' 45' 34.3''$ (RT) $D = 37' 12' 18.2''$ $L = 157.93'$ $T = 86.70'$ $R = 154.00'$ $SE = 04$ $RO = \text{SEE PLANS}$</p>	<p>-Y4-</p> <p>PI Sta 13+02.46 $\Delta = 34' 54' 37.4''$ (LT) $D = 22' 55' 05.9''$ $L = 152.33'$ $T = 78.61'$ $R = 250.00'$ $SE = 03$ $RO = \text{SEE PLANS}$</p>
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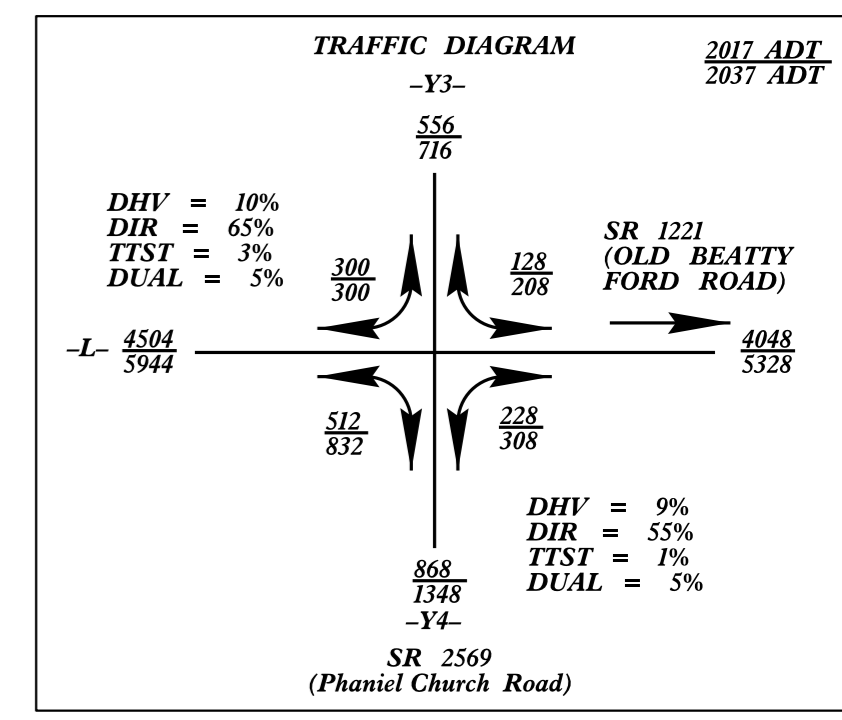
DO NOT DISTURB CHURCH SIGN

DO NOT DISTURB WELLS

DO NOT DISTURB ISFD

PAVEMENT TO BE OBLITERATED

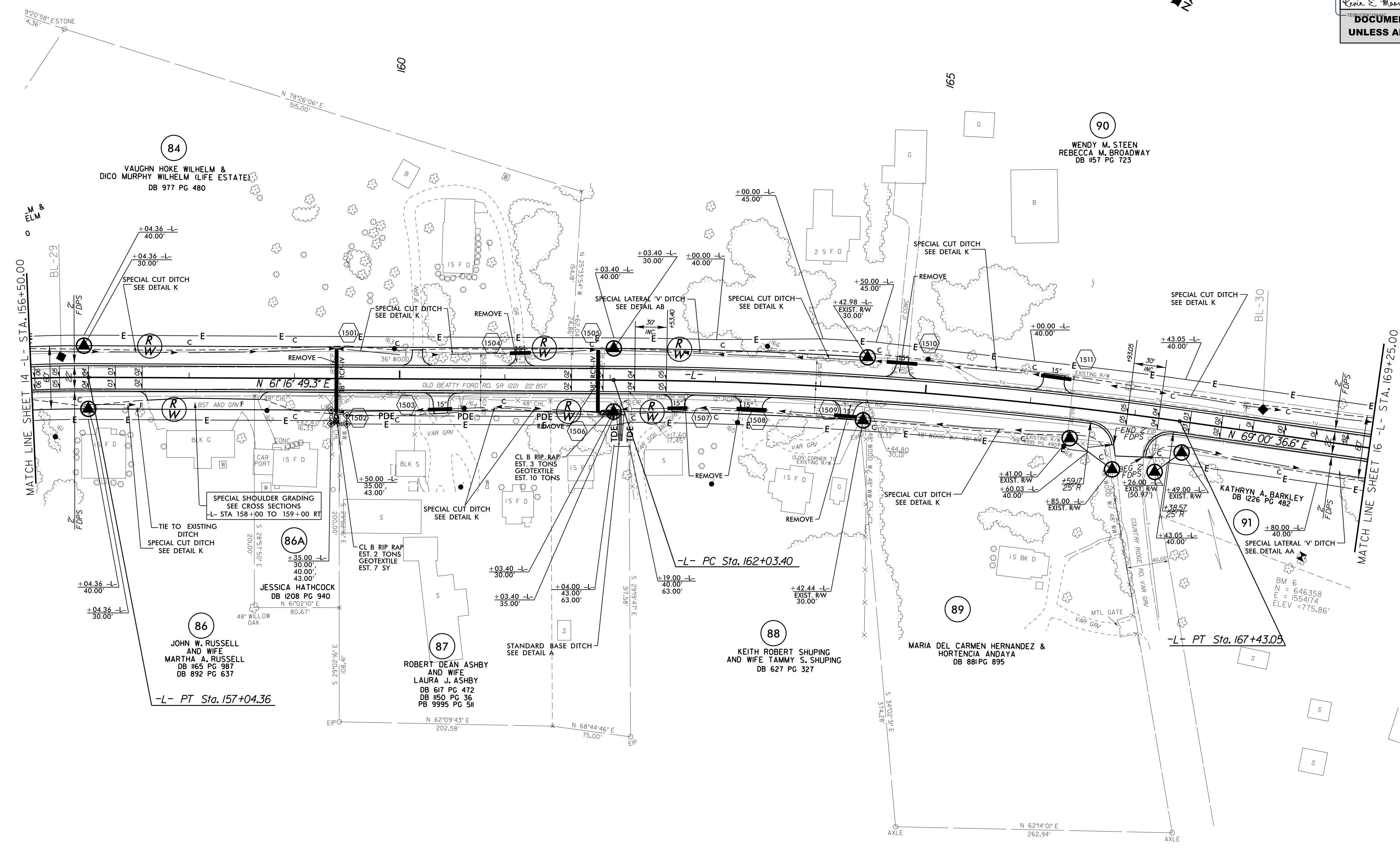
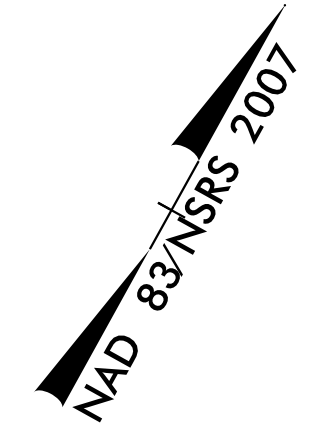
FOR -L- PROFILE, SEE SHEETS NO. 39 & 40
 FOR -Y3- & -Y4- PROFILE, SEE SHEET NO. 51
 FOR -L- DITCH DETAILS, SEE SHEET NO. 2-
 FOR -Y3- & -Y4- DITCH DETAILS, SEE SHEETS NO. 2D-1 & 2D-2
 DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED



5/14/17/99
 REVISIONS
 28-APR-2017 10:32
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 P:\5313\2017\5313-Rdy-psn-sh.t14.dgn

-L-

PI Sta 155+34.13	PI Sta 164+73.64
$\Delta = 17^{\circ} 52' 52.0''$ (RT)	$\Delta = 7^{\circ} 43' 47.4''$ (RT)
D = 5' 12' 31.3"	D = 1' 25' 56.6"
L = 343.29'	L = 539.64'
T = 173.05'	T = 270.23'
R = 1,100.00'	R = 4,000.00'
SE = 06	SE = 05
RO = 153'	RO = SEE PLANS



REVISIONS

8/17/99

28-MAR-2017 14:25 W-5313-Rdw_psh-sh.t15.dgn
9:58:58 AM W-5313-Rdw_psh-sh.t15.dgn

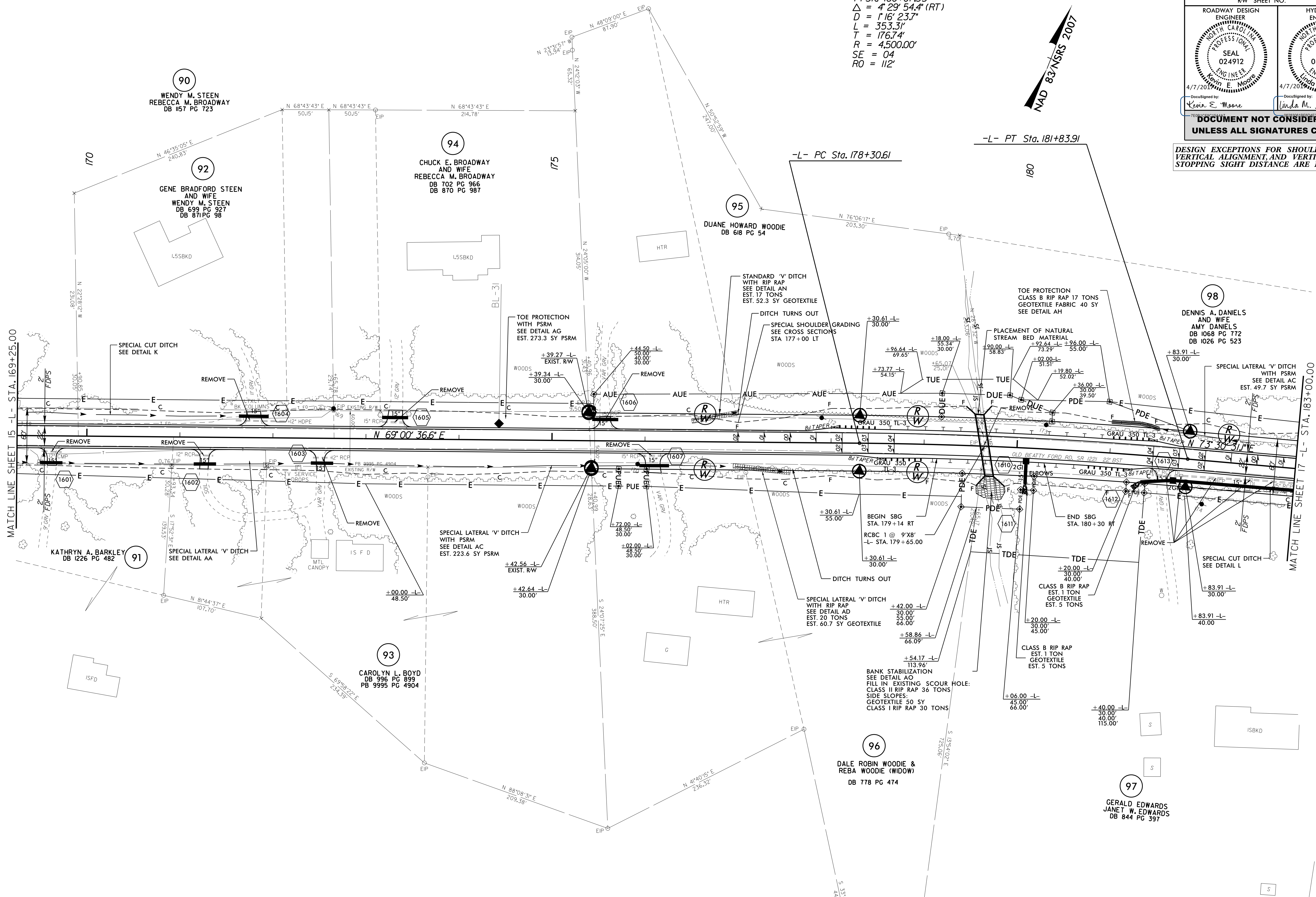
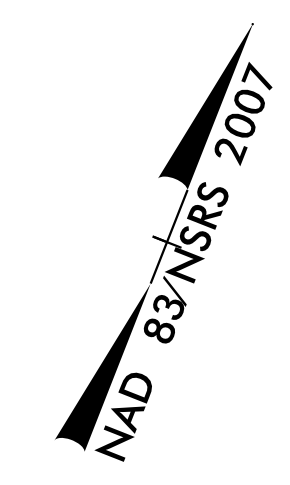
FOR -L- PROFILE, SEE SHEET NO. 40
FOR -L- DITCH DETAILS, SEE SHEET NO. 2D-1 & 2D-2
DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED

PROJECT REFERENCE NO. W-5313	SHEET NO. 16
RW SHEET NO.	
ROADWAY DESIGN ENGINEER KIM E. MOORE PROFESSIONAL SEAL 024912 4/7/2017	HYDRAULICS ENGINEER LINDA M. JOHNS PROFESSIONAL SEAL 033246 4/7/2017

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

DESIGN EXCEPTIONS FOR SHOULDER WIDTH, VERTICAL ALIGNMENT, AND VERTICAL STOPPING SIGHT DISTANCE ARE REQUIRED.

-L-
PI Sta 180+07.35
 $\Delta = 4' 29'' 54.4''$ (RT)
D = 116' 23.7"
L = 353.31'
T = 176.74'
R = 4500.00'
SE = 04
RO = 112'



MATCH LINE SHEET 15 - L - STA. 169+25.00

MATCH LINE SHEET 17 - L - STA. 183+00.00

REVISIONS

FOR -L- PROFILE, SEE SHEETS NO. 40 & 41
FOR -L- DITCH DETAILS, SEE SHEETS NO. 2D-1 & 2D-2
DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED
FOR CULVERT CONSTRUCTION PLANS, SEE SHEETS C-1-C-15

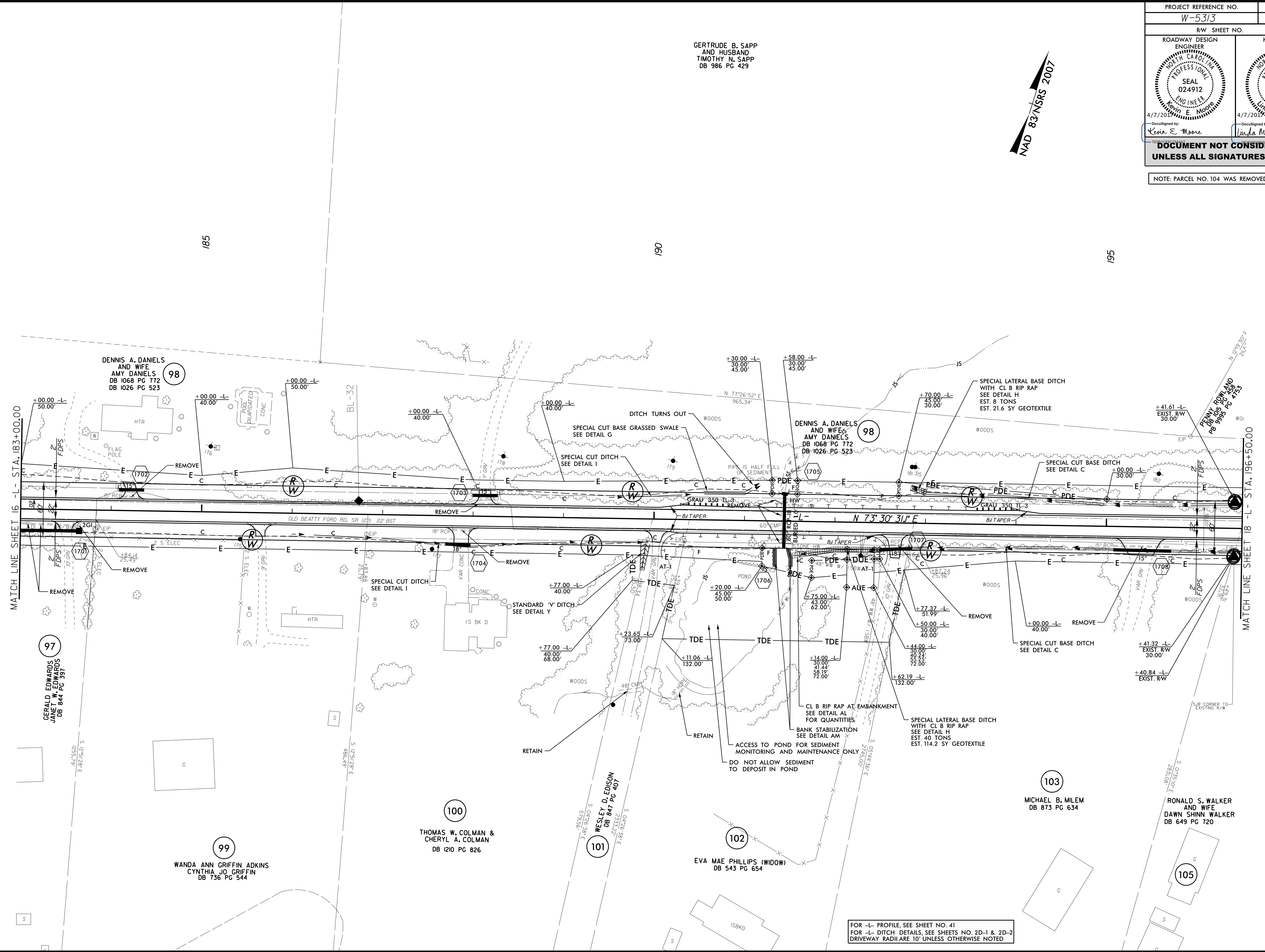
8/17/99

07-APR-2017 10:45 W-5313-Rdy_psh_sht16.dgn
3:58:50 PM

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

NOTE: PARCEL NO. 104 WAS REMOVED FROM PLANS

GERTRUDE B. SAPP
AND HUSBAND
TIMOTHY N. SAPP
DB 986 PG 429



REVISIONS

8/17/99

07-APR-2017 10:45 W-5313-Rdw_psh_sht17.dgn
S:\PROJECTS\W-5313\DWG

FOR -L- PROFILE, SEE SHEET NO. 41
FOR -L- DITCH DETAILS, SEE SHEETS NO. 2D-1 & 2D-2
DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED

ROADWAY DESIGN ENGINEER KAROLYN E. MOORE PROFESSIONAL SEAL 024912 4/7/2017 Kevin E. Moore	HYDRAULICS ENGINEER LINDA M. JOHNS PROFESSIONAL SEAL 033246 4/7/2017 Linda M. Johns
--	--

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

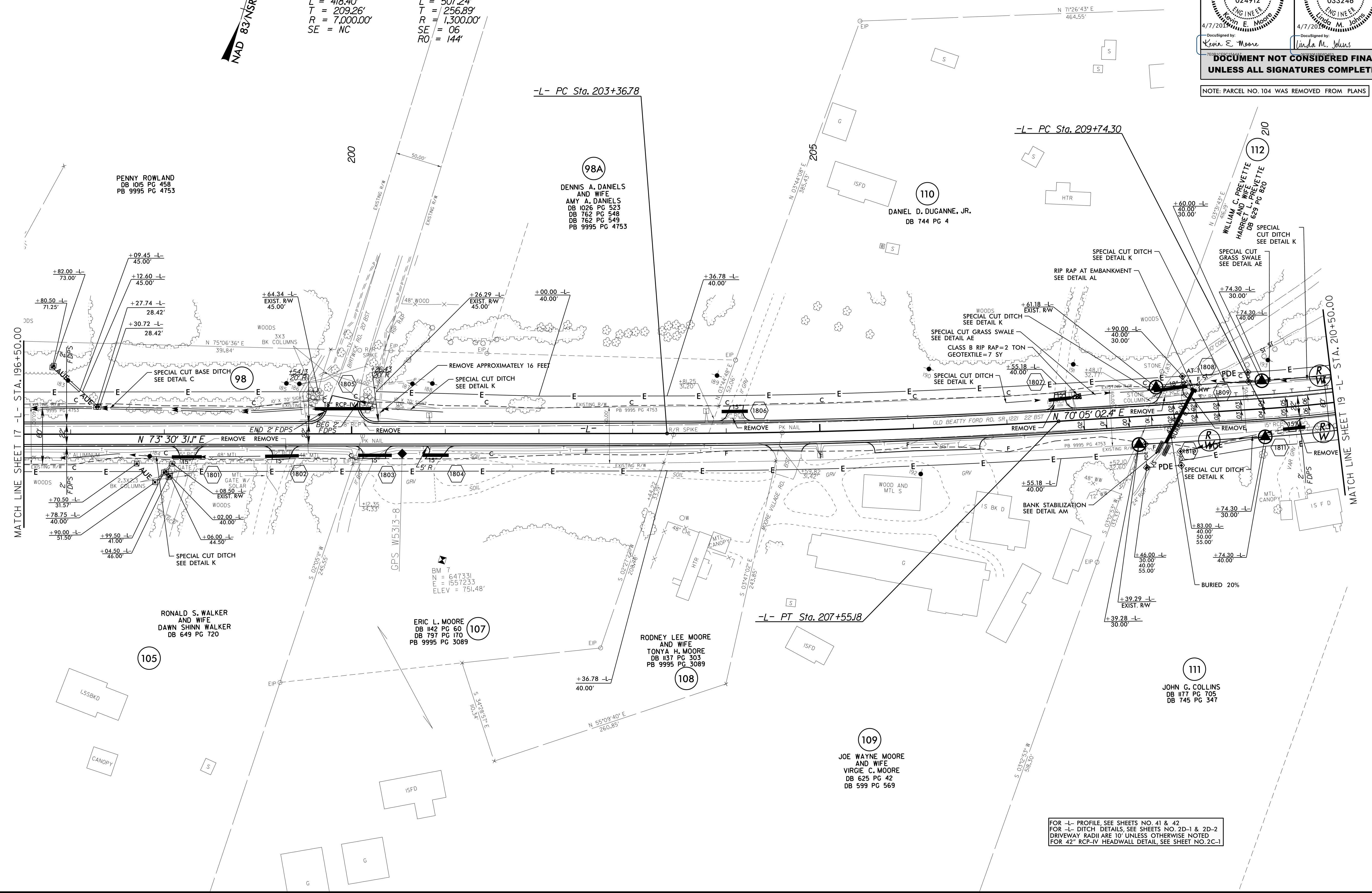
NOTE: PARCEL NO. 104 WAS REMOVED FROM PLANS

8/17/99

NAD 83 NSRS 2007

-L-

PI Sta 205+46.05 Δ = 3° 25' 28.7" (LT) D = 0' 49' 06.6" L = 418.40' T = 209.26' R = 7,000.00' SE = NC	PI Sta 212+31.19 Δ = 22° 21' 21.6" (LT) D = 4' 24' 26.5" L = 507.24' T = 256.89' R = 1,300.00' SE = 06 RO = 144'
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REVISIONS

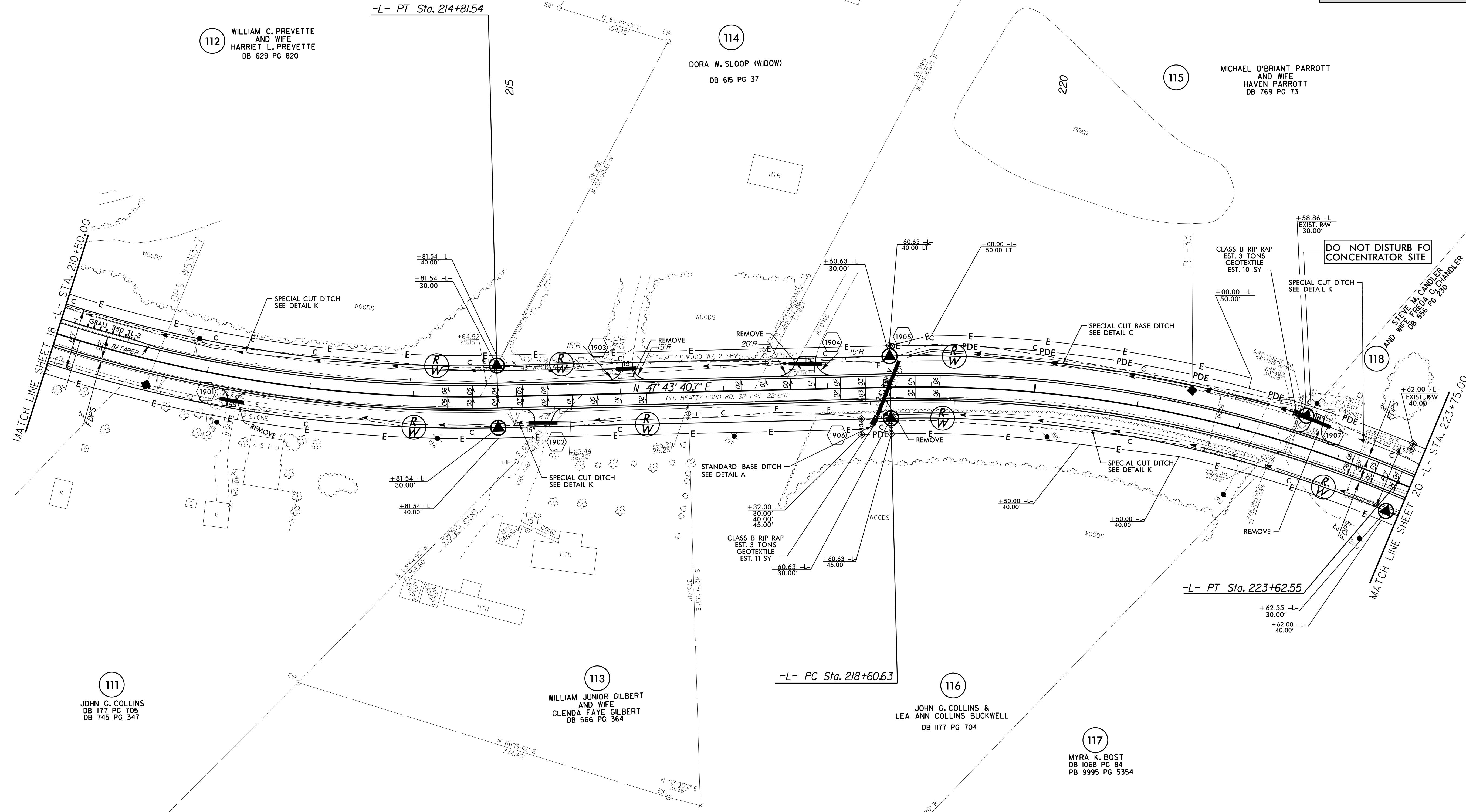
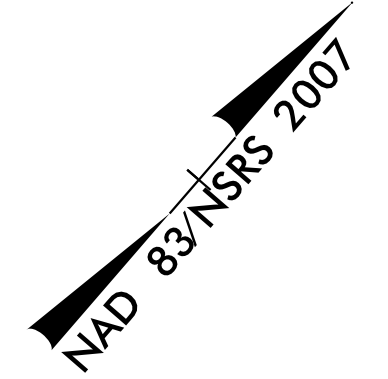
07-APR-2017 10:15 AM W-5313-Rdy_psh_sht18.dgn

FOR -L- PROFILE, SEE SHEETS NO. 41 & 42
FOR -L- DITCH DETAILS, SEE SHEETS NO. 2D-1 & 2D-2
FOR DRIVEWAY RADI ARE 10' UNLESS OTHERWISE NOTED
FOR 42" RCP-IV HEADWALL DETAIL, SEE SHEET NO. 2C-1

PROJECT REFERENCE NO. W-5313	SHEET NO. 19
RW SHEET NO.	
ROADWAY DESIGN ENGINEER SEAL 024912 Kevin E. Moore	HYDRAULICS ENGINEER SEAL 033246 Linda M. Johns
4/5/2017	4/7/2017
Documented by: Kevin E. Moore Documented by: Linda M. Johns DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

-L-

PI Sta 212+31.19 Δ = 22° 21' 21.6" (LT) D = 4' 24' 26.5" L = 507.24' T = 256.89' R = 1,300.00' SE = 06 RO = 144'	PI Sta 221+55.31 Δ = 23° 57' 52.9" (RT) D = 4' 46' 28.7" L = 501.92' T = 254.68' R = 1,200.00' SE = 06 RO = 144'
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REVISIONS

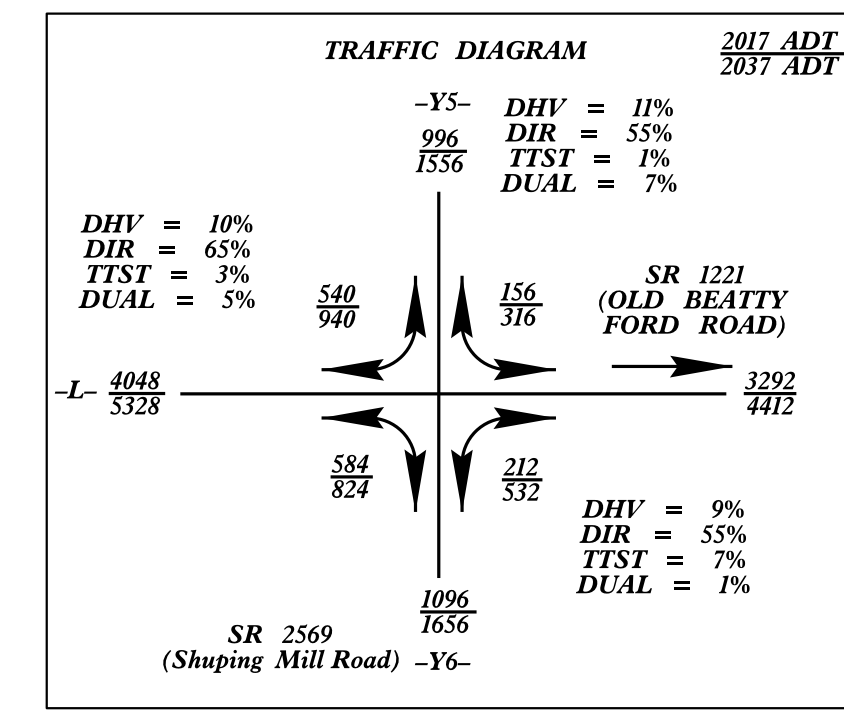
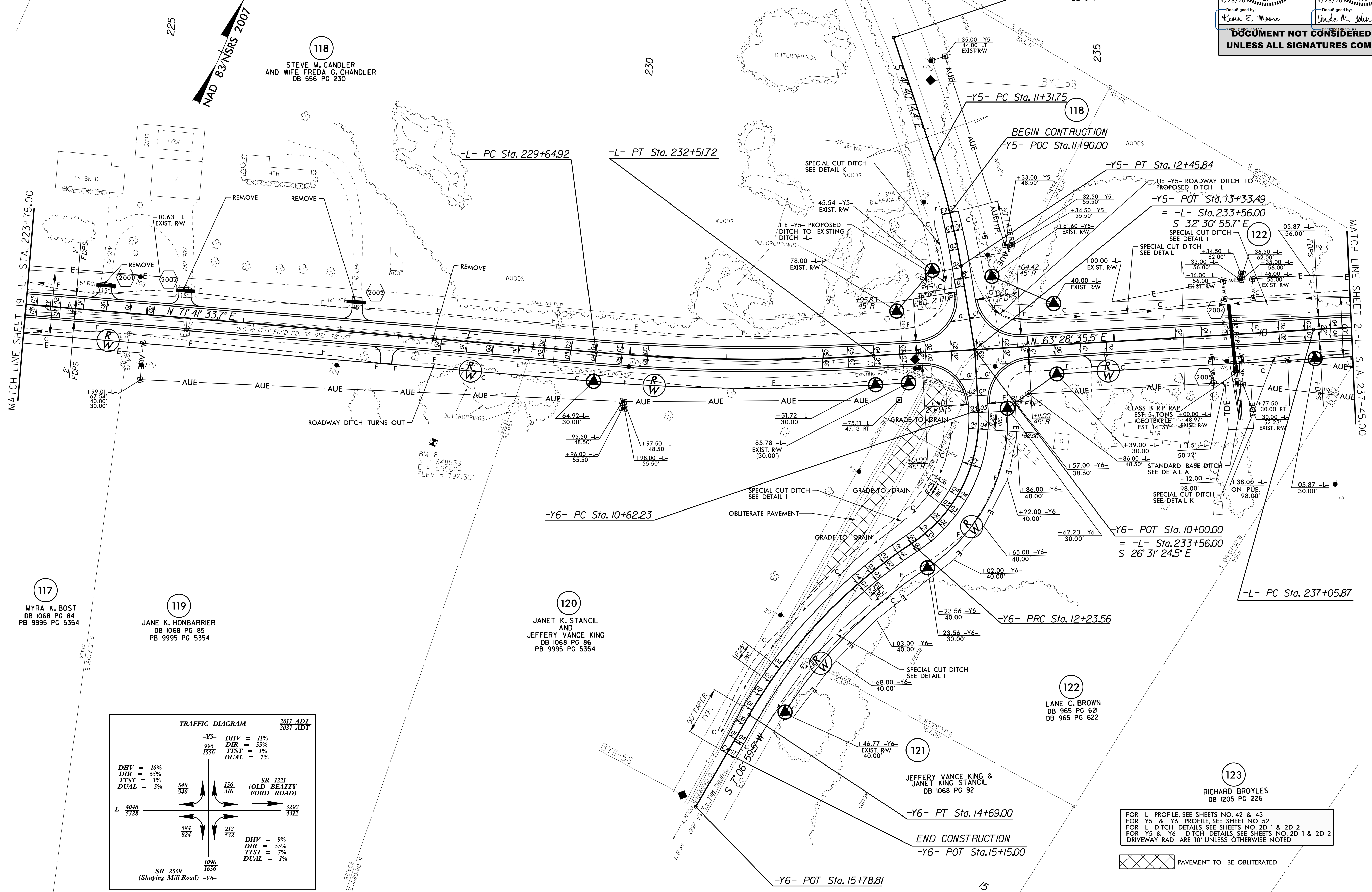
8/17/99

28-MAR-2017 14:25 W-5313-Rdy_psh_sht19.dgn
3:58:05 PM KEM

FOR -L- PROFILE, SEE SHEET NO. 42
FOR -L- DITCH DETAILS, SEE SHEETS NO. 2D-1 & 2D-2
DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED

PROJECT REFERENCE NO. W-5313	SHEET NO. 20
RW SHEET NO.	
ROADWAY DESIGN ENGINEER SEAL 024912 John E. Moore	HYDRAULICS ENGINEER SEAL 033246 Linda M. Johns
4/28/2017	4/28/2017
DocuSigned by: John E. Moore	DocuSigned by: Linda M. Johns
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

<p>-L-</p> <p>PI Sta 231+08.57 Δ = 8°12'58.2" (LT) D = 2°5'53.2" L = 286.80' T = 143.65' R = 2,000.00' SE = 06 RO = 160'</p>	<p>-L-</p> <p>PI Sta 241+14.02 Δ = 15°53'15.7" (RT) D = 1°57'31.8" L = 811.08' T = 408.16' R = 2,925.00' SE = 05 RO = 133'</p>	<p>-Y5-</p> <p>PI Sta 11+88.92 Δ = 9°09'18.7" (RT) D = 8°0'28.6" L = 114.09' T = 57.17' R = 714.00' SE = SEE PLANS RO = SEE PLANS</p>	<p>-Y6-</p> <p>PI Sta 11+51.18 Δ = 60°0'25.6" (RT) D = 37°12'18.2" L = 161.33' T = 88.95' R = 154.00' SE = 04 RO = SEE PLANS</p>	<p>-Y6-</p> <p>PI Sta 13+48.49 Δ = 26°23'01.6" (LT) D = 10°44'58.8" L = 245.44' T = 124.93' R = 533.00' SE = 04 RO = SEE PLANS</p>
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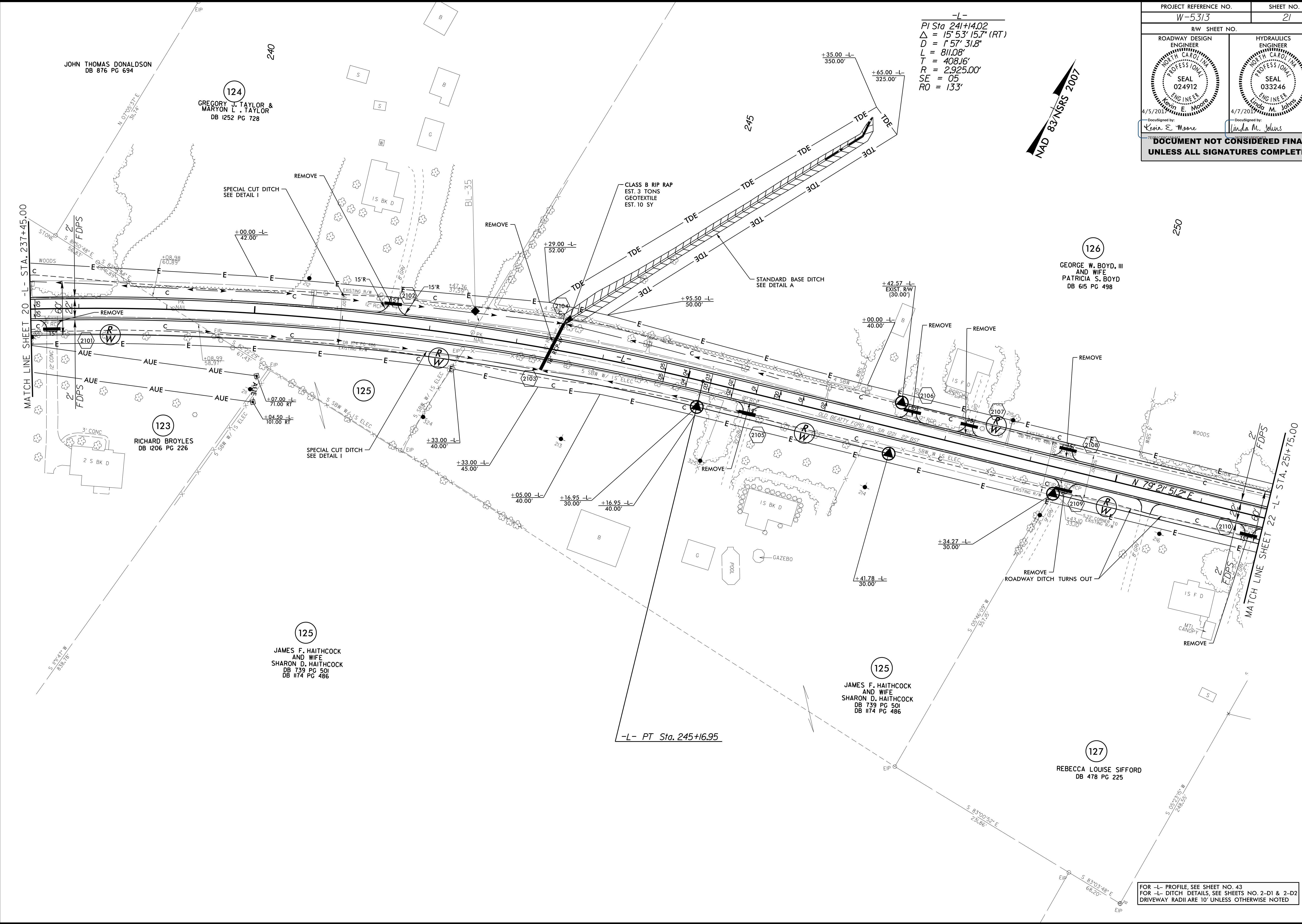
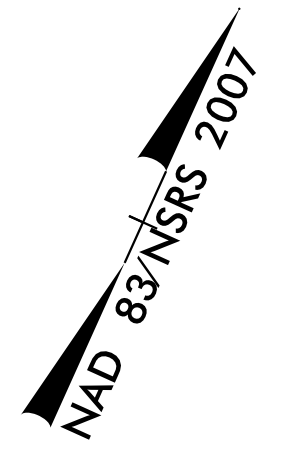
FOR -L- PROFILE, SEE SHEETS NO. 42 & 43
 FOR -Y5- & -Y6- PROFILE, SEE SHEET NO. 52
 FOR -L- DITCH DETAILS, SEE SHEETS NO. 2D-1 & 2D-2
 FOR -Y5- & -Y6- DITCH DETAILS, SEE SHEETS NO. 2D-1 & 2D-2
 DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED

PAVEMENT TO BE OBLITERATED

8/17/99
 28-APR-2017 10:32 W-5313-Rdw-psh-sh-20.dgn
 9:58:50 AM

PROJECT REFERENCE NO. W-5313	SHEET NO. 21
RW SHEET NO.	
ROADWAY DESIGN ENGINEER SEAL 024912 Kevin E. Moore	HYDRAULICS ENGINEER SEAL 033246 Linda M. Johns
<p>4/5/2017</p> <p>DocuSigned by: Kevin E. Moore</p>	
<p>4/7/2017</p> <p>DocuSigned by: Linda M. Johns</p>	
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	

-L-
 PI Sta 241+14.02
 $\Delta = 15^{\circ} 53' 15.7" (RT)$
 $D = 157' 31.8"$
 $L = 811.08'$
 $T = 408.16'$
 $R = 2925.00'$
 $SE = 05$
 $RO = 133'$



REVISIONS

8/17/99

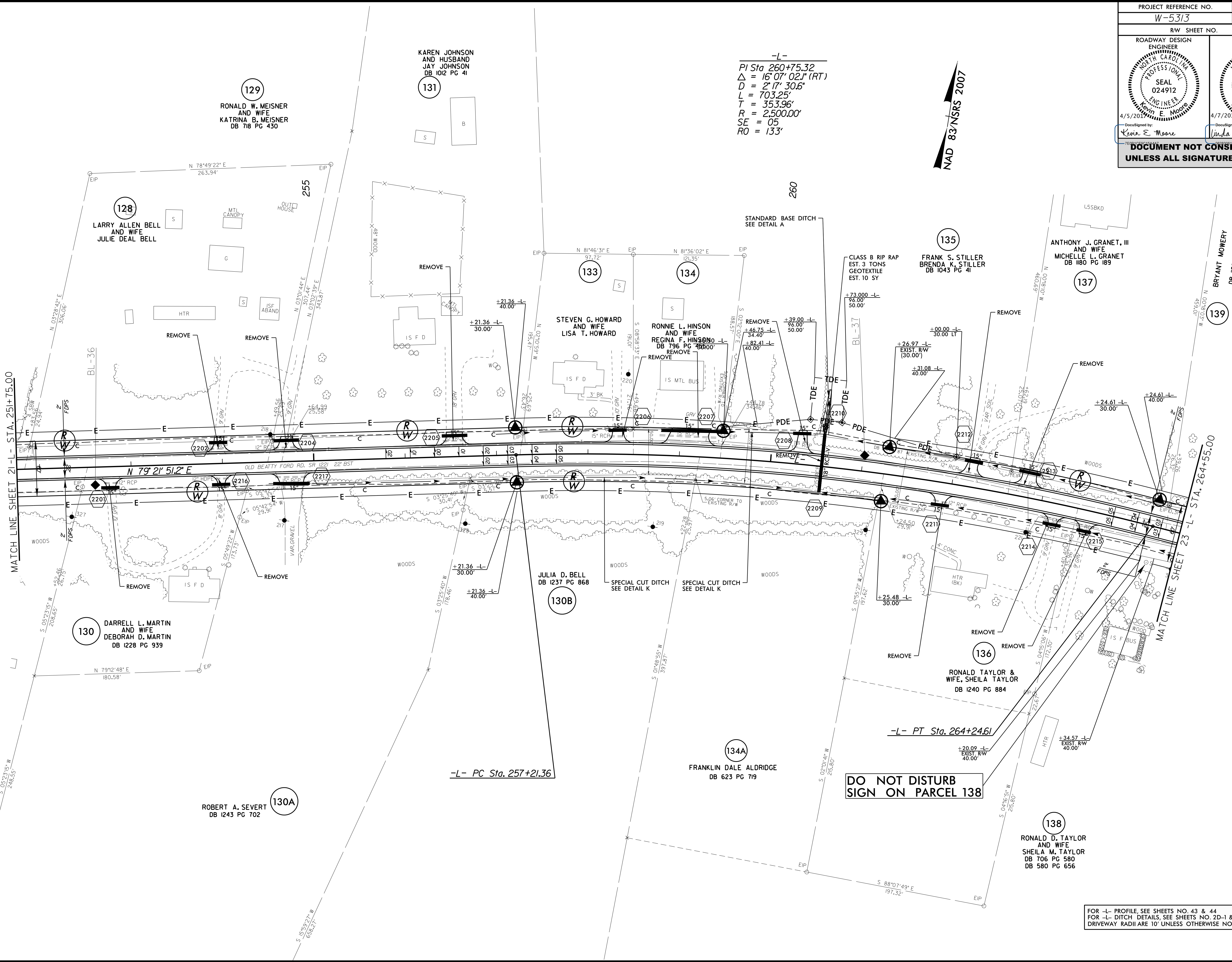
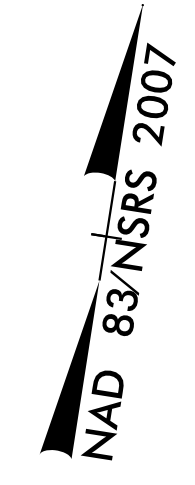
28-MAR-2017 14:25 W-5313-Rdy_psh-sh21.dgn
 9:58:50 AM

FOR -L- PROFILE, SEE SHEET NO. 43
 FOR -L- DITCH DETAILS, SEE SHEETS NO. 2-D1 & 2-D2
 DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED

PROJECT REFERENCE NO. W-5313		SHEET NO. 22	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER KAREN E. MOORE PROFESSIONAL SEAL 024912 4/5/2017		HYDRAULICS ENGINEER LINDA M. JOHNS PROFESSIONAL SEAL 033246 4/7/2017	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

-L-

$PI Sta 260+75.32$
 $\Delta = 16^{\circ}07'02.1'' (RT)$
 $D = 2^{\circ}17'30.6''$
 $L = 703.25'$
 $T = 353.96'$
 $R = 2,500.00'$
 $SE = 05$
 $RO = 133'$



REVISIONS

8/17/99

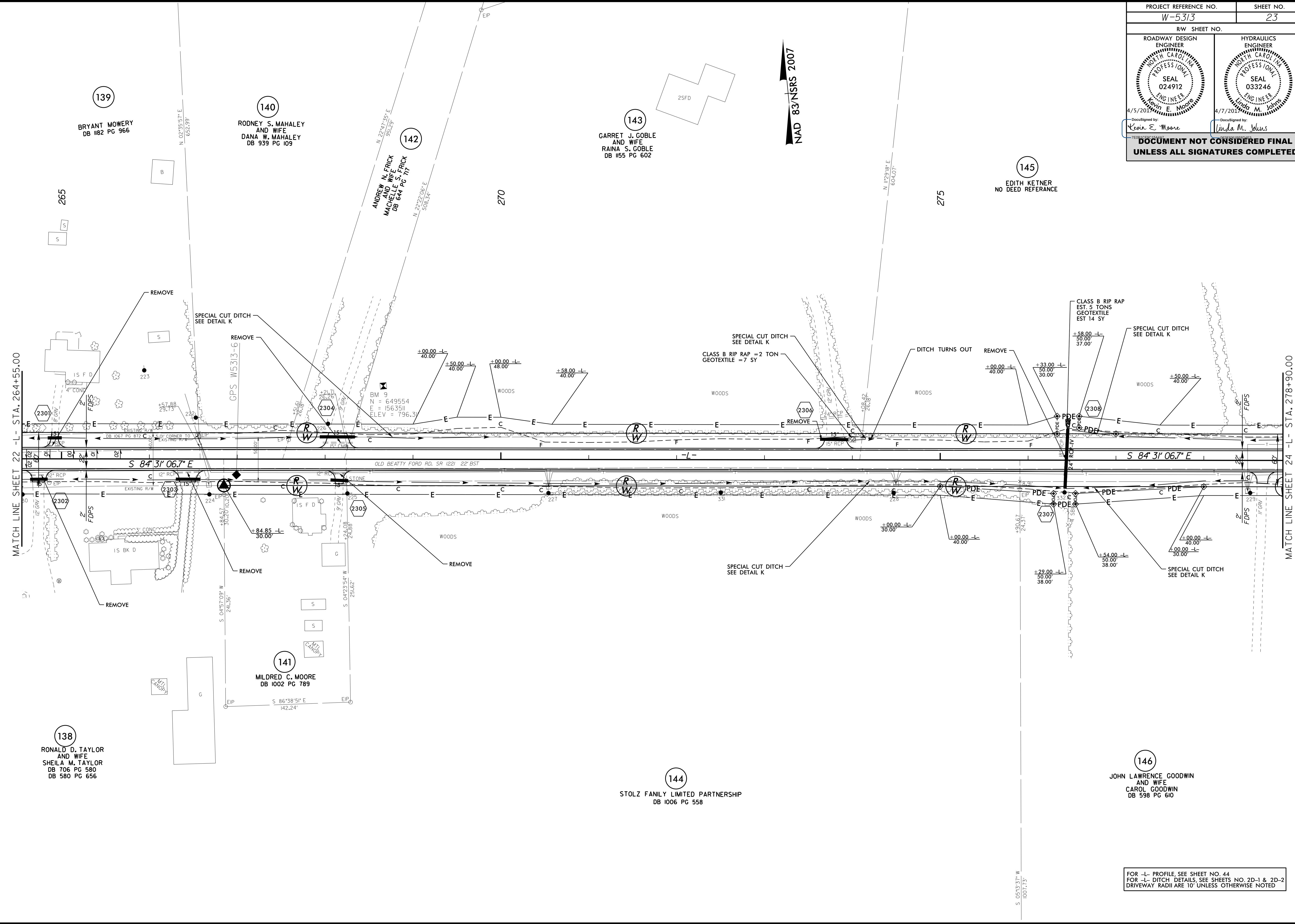
28-MAR-2017 14:25 W-5313-Rdy_psh_sht22.dgn
3388055819114113

FOR -L- PROFILE SEE SHEETS NO. 43 & 44
 FOR -L- DITCH DETAILS SEE SHEETS NO. 2D-1 & 2D-2
 DRIVEWAY RADI ARE 10' UNLESS OTHERWISE NOTED

PROJECT REFERENCE NO. W-5313	SHEET NO. 23
RW SHEET NO.	
ROADWAY DESIGN ENGINEER PROFESSIONAL SEAL 024912 Kevin E. Moore 4/5/2017	HYDRAULICS ENGINEER PROFESSIONAL SEAL 033246 Linda M. Johns 4/7/2017
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	

REVISIONS

8/17/99



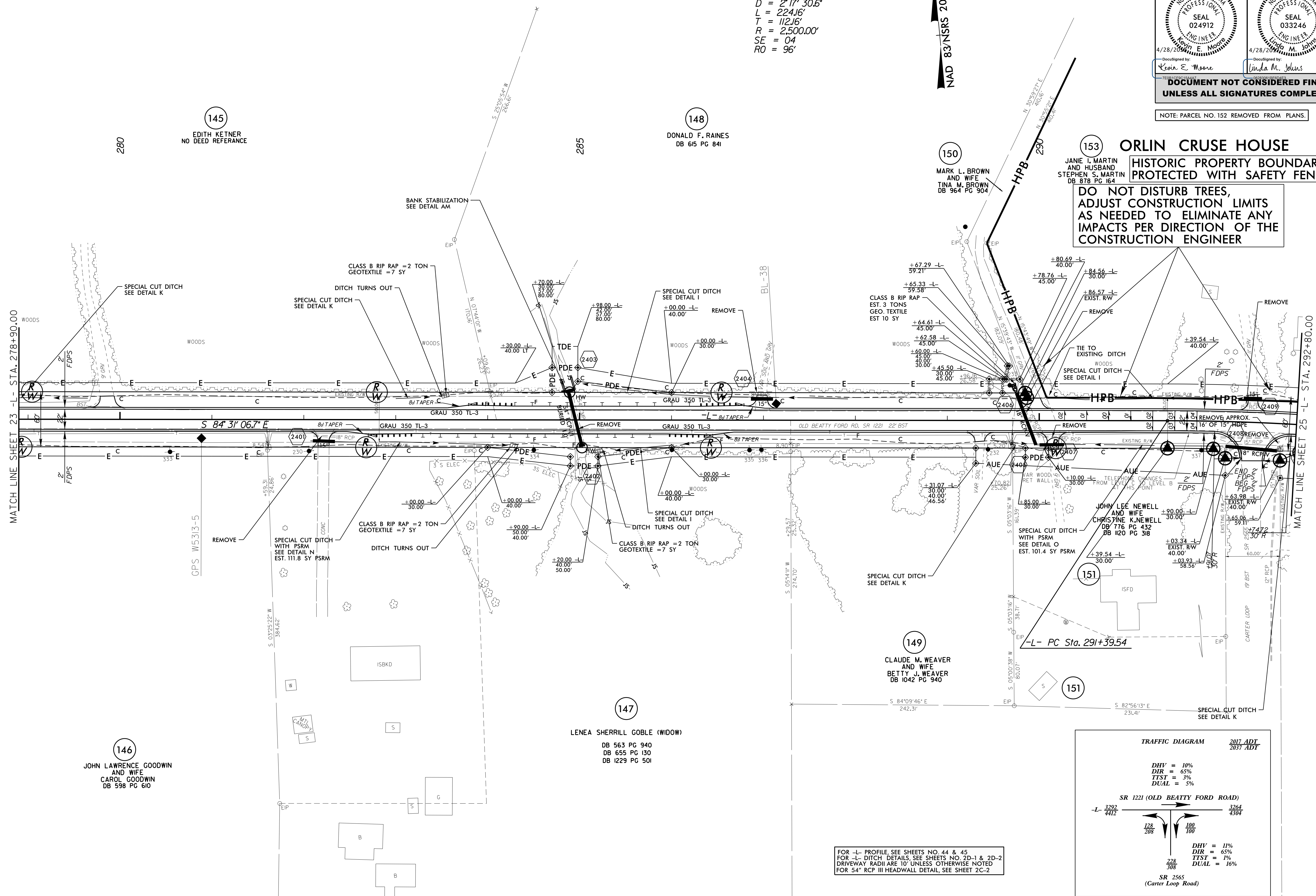
28-MAR-2017 14:27 W-5313-Rdy_psh-sh23.dgn
3:54:58 PM KEM

FOR -L- PROFILE SEE SHEET NO. 44
FOR -L- DITCH DETAILS, SEE SHEETS NO. 2D-1 & 2D-2
DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED

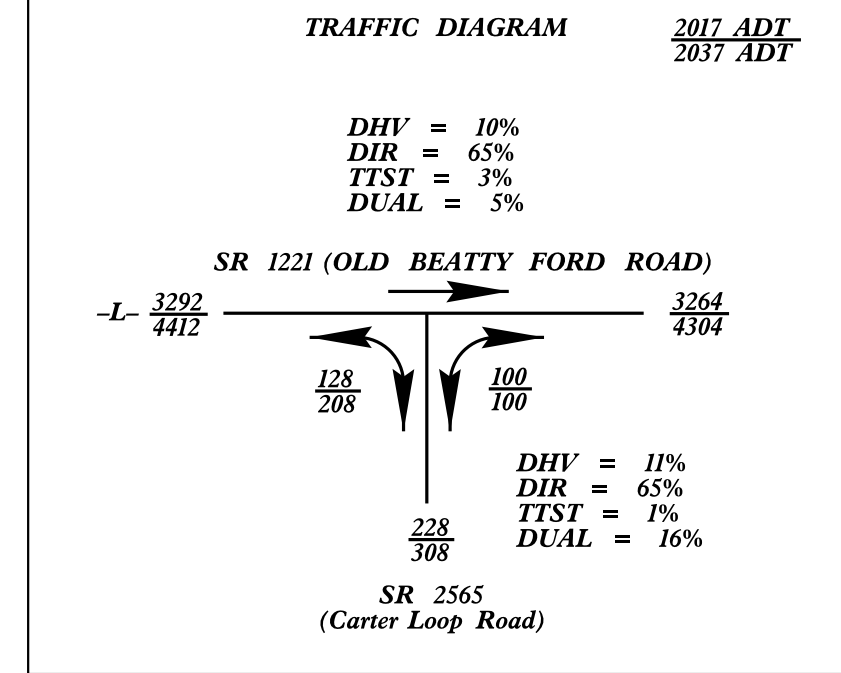
DESIGN EXCEPTIONS FOR SHOULDER WIDTH, VERTICAL ALIGNMENT AND VERTICAL STOPPING SIGHT DISTANCE ARE REQUIRED.

-L-
 PI Sta 292+51.69
 $\Delta = 5' 08'' 14.8'' (RT)$
 $D = 2' 17'' 30.6''$
 $L = 224.16'$
 $R = 2,500.00'$
 $SE = 04$
 $RO = 96'$

NAD 83 NSRS 2007



153 ORLIN CRUSE HOUSE
HISTORIC PROPERTY BOUNDARY PROTECTED WITH SAFETY FENCE
 DO NOT DISTURB TREES, ADJUST CONSTRUCTION LIMITS AS NEEDED TO ELIMINATE ANY IMPACTS PER DIRECTION OF THE CONSTRUCTION ENGINEER



FOR -L- PROFILE, SEE SHEETS NO. 44 & 45
 FOR -L- DITCH DETAILS, SEE SHEETS NO. 2D-1 & 2D-2
 DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED
 FOR 54" RCP III HEADWALL DETAIL, SEE SHEET 2C-2

REVISIONS

8/17/99

28-APR-2017 10:32 W:\5313_Rdy_psh_sh24.dgn
 934805817.MWF 8:43:58

MATCH LINE SHEET 23 -L- STA. 278+90.00

MATCH LINE SHEET 25 -L- STA. 292+80.00

146
 JOHN LAWRENCE GOODWIN AND WIFE
 CAROL GOODWIN
 DB 598 PG 610

147
 LENEA SHERRILL GOBLE (WIDOW)
 DB 563 PG 940
 DB 655 PG 130
 DB 1229 PG 501

149
 CLAUDE M. WEAVER AND WIFE
 BETTY J. WEAVER
 DB 1042 PG 940

150
 MARK L. BROWN AND WIFE
 TINA M. BROWN
 DB 964 PG 904

153
 JANIE L. MARTIN AND HUSBAND
 STEPHEN S. MARTIN
 DB 878 PG 164

145
 EDITH KETNER
 NO DEED REFERENCE

148
 DONALD F. RAINES
 DB 615 PG 841

PROJECT REFERENCE NO. W-5313	SHEET NO. 25
RW SHEET NO.	
ROADWAY DESIGN ENGINEER KAREN E. MOORE PROFESSIONAL SEAL 024912 4/5/2017	HYDRAULICS ENGINEER LINDA M. JOHNS PROFESSIONAL SEAL 033246 4/7/2017
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

HISTORIC PROPERTY BOUNDARY
PROTECTED WITH SAFETY FENCE

ORLIN CRUSE HOUSE

153
JANIE I. MARTIN
AND HUSBAND
STEPHEN S. MARTIN
DB 878 PG 164

-L-
 PI Sta 292+51.69
 $\Delta = 5^{\circ}08'14.8''$ (RT)
 $D = 2^{\circ}17'30.6''$
 $L = 224.16'$
 $T = 112.16'$
 $R = 2,500.00'$
 $SE = 04'$
 $RO = 96'$

-L-
 PI Sta 298+95.46
 $\Delta = 10^{\circ}11'53.8''$ (LT)
 $D = 1^{\circ}59'59.5''$
 $L = 509.95'$
 $T = 255.65'$
 $R = 2,865.00'$
 $SE = EXIST.$
 $RO = EXIST.$

DO NOT DISTURB TREES,
ADJUST CONSTRUCTION LIMITS
AS NEEDED TO ELIMINATE ANY
IMPACTS PER DIRECTION OF THE
CONSTRUCTION ENGINEER

NAD 83/NSRS 2007

ALFRED RAY WILHELM
AND WIFE
MARGARET JOAN BROWN WIL
DB 593 PG 602

AMY VENDITTI
DB 994 PG 567
PB 9995 PG 2503

LINDA POWERS
DB 1050 PG 982
PB 9995 PG 2503

DAVID R. EUART
DB 757 PG 401

JEFFERY TODD HILL
DB 876 PG 941

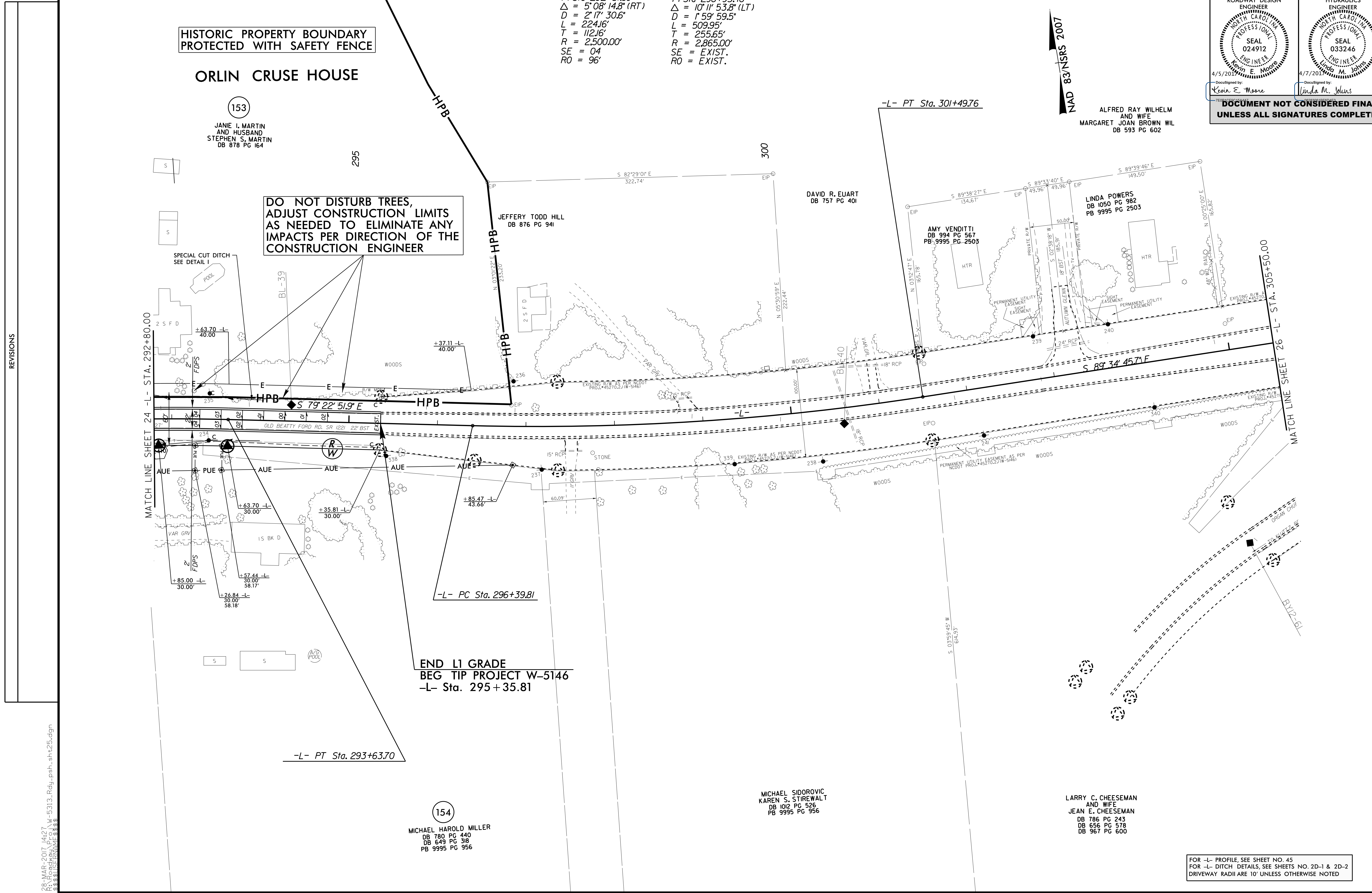
END L1 GRADE
BEG TIP PROJECT W-5146
-L- Sta. 295+35.81

154
MICHAEL HAROLD MILLER
DB 780 PG 440
DB 649 PG 318
PB 9995 PG 956

MICHAEL SIDOROVIC
KAREN S. STIREWALT
DB 1012 PG 526
PB 9995 PG 956

LARRY C. CHEESEMAN
AND WIFE
JEAN E. CHEESEMAN
DB 786 PG 243
DB 656 PG 578
DB 967 PG 600

FOR -L- PROFILE, SEE SHEET NO 45
FOR -L- DITCH DETAILS, SEE SHEETS NO. 2D-1 & 2D-2
DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED



REVISIONS

8/17/99

28-MAR-2017 14:27 W-5313-Rdy_psh-sh25.dgn
3:55:58 PM

PROJECT REFERENCE NO. W-5313	SHEET NO. 26
RW SHEET NO.	
ROADWAY DESIGN ENGINEER DONALD S. WILHELM PROFESSIONAL SEAL 024912 ENGINEER Linda E. Moore 4/5/2017	HYDRAULICS ENGINEER LINDA M. JOHNS PROFESSIONAL SEAL 033246 ENGINEER Linda M. Johns 4/7/2017
DocuSigned by: Linda E. Moore DocuSigned by: Linda M. Johns DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

8/17/99

-L-
 PI Sta 308+41.22
 $\Delta = 4' 57" 28.5" (RT)$
 $D = 0' 59" 59.7"$
 $L = 495.83'$
 $T = 248.07'$
 $R = 5,730.00'$
 SE = EXIST.
 RO = EXIST.

-L- PT Sta. 310+88.98

NAD 83/NSRS 2007

ALFRED RAY WILHELM
AND WIFE
MARGARET JOAN BROWN WILHELM
DB 593 PG 602

DANNY JOE KNIGHT
DB 1058 PG 435

DONALD S. WILHELM
AND WIFE
MILDRED I. WILHELM
DB 584 PG 735
DB 704 PG 454

DONALD S. WILHELM
AND WIFE
MILDRED I. WILHELM
DB 584 PG 735
DB 704 PG 454

168

169

CORINNA ROBERTSON &
STEVEN ROBERTSON
DB 1197 PG 272

167

DONNIE GENE ROBBINS
AND WIFE
JANICE S. ROBBINS
DB 760 PG 33
DB 741 PG 42

LARRY C. CHEESEMAN
AND WIFE
JEAN E. CHEESEMAN
DB 786 PG 243
DB 656 PG 578
DB 967 PG 600

JOSE VICTOR VILLALOBOS
DB 1078 PG 768

BEG L2 GRADE
END TIP PROJECT W-5146
-L- Sta. 318 + 35.84

MATCH LINE SHEET 25 -L- STA. 305+50.00

MATCH LINE SHEET 27 -L- STA. 319+30.00

REVISIONS

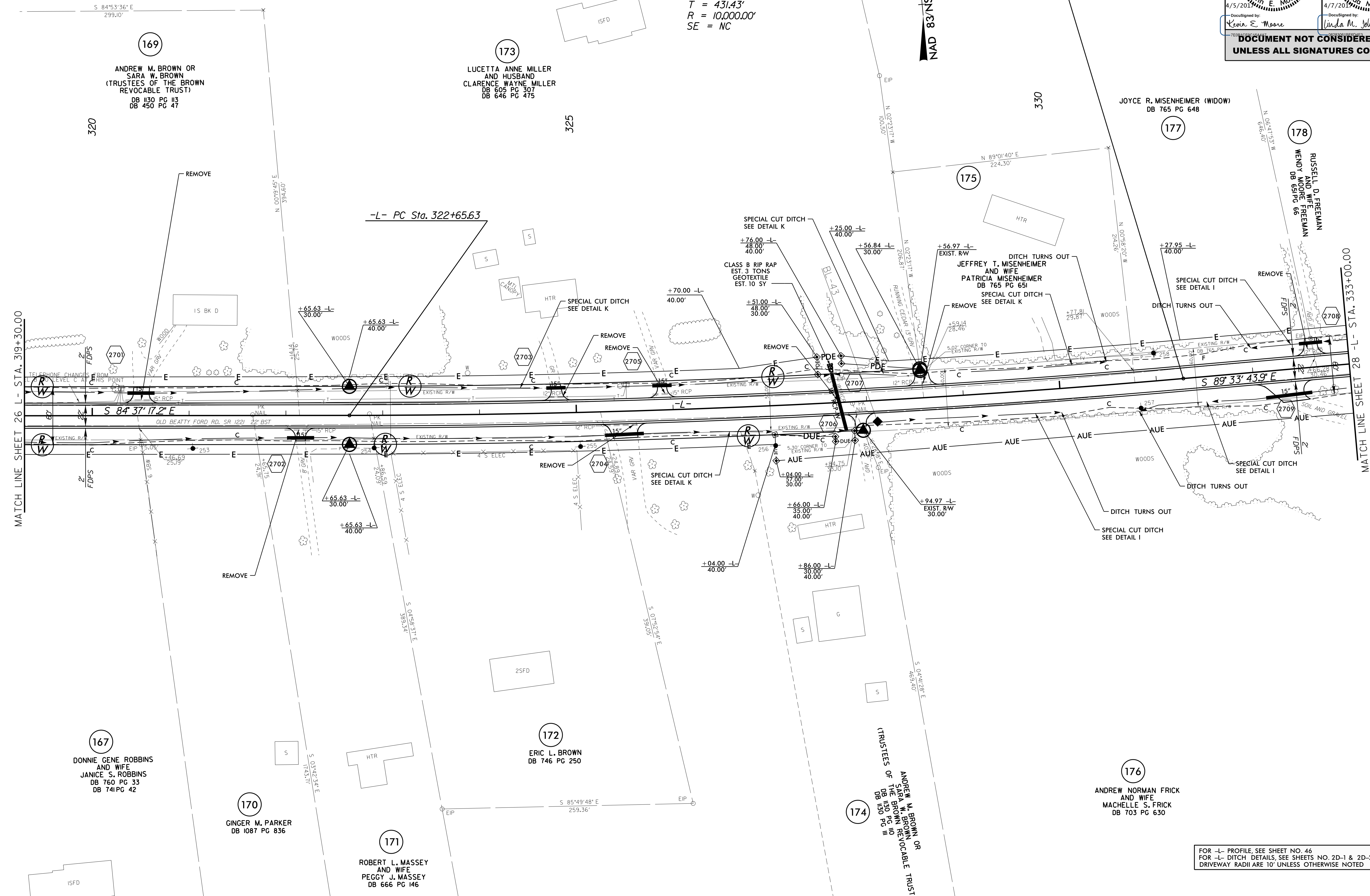
28-MAR-2017 14:27 W-5313-Rdy_psh-sh+26.cdg
 9:58:05 PM W-5313-Rdy_psh-sh+26.cdg

FOR -L- PROFILE, SEE SHEETS NO. 45 & 46
 FOR -L- DITCH DETAILS, SEE SHEETS NO. 2D-1 & 2D-2
 DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED

PROJECT REFERENCE NO. W-5313	SHEET NO. 27
RW SHEET NO.	
ROADWAY DESIGN ENGINEER KIM E. MOORE PROFESSIONAL SEAL 024912 4/5/2017	HYDRAULICS ENGINEER LINDA M. JOHNS PROFESSIONAL SEAL 033246 4/7/2017
Designed by: Kevin E. Moore	DocuSigned by: Linda M. Johns
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

-L-
 PI Sta 326+97.06
 $\Delta = 4' 56" 26.7" (LT)$
 $D = 0' 34" 22.6"$
 $L = 862.32'$
 $T = 431.43'$
 $R = 10,000.00'$
 $SE = NC$

NAD 83/NSRS 2007



MATCH LINE SHEET 26 L- STA. 319+30.00

MATCH LINE SHEET 28 L- STA. 333+00.00

FOR -L- PROFILE, SEE SHEET NO. 46
 FOR -L- DITCH DETAILS, SEE SHEETS NO. 2D-1 & 2D-2
 DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED

8/17/99

28-MAR-2017 14:27 W-5313-Rdy-sh-27.dgn
 9:58:50 PM

REVISIONS

169
 ANDREW M. BROWN OR
 SARA W. BROWN
 (TRUSTEES OF THE BROWN
 REVOCABLE TRUST)
 DB 1130 PG 113
 DB 450 PG 47

173
 LUCETTA ANNE MILLER
 AND HUSBAND
 CLARENCE WAYNE MILLER
 DB 605 PG 307
 DB 646 PG 475

177
 JOYCE R. MISENHEIMER (WIDOW)
 DB 765 PG 648

178
 RUSSELL D. FREEMAN
 AND WIFE
 WENDY M. FREEMAN
 DB 681 PG 66

167
 DONNIE GENE ROBBINS
 AND WIFE
 JANICE S. ROBBINS
 DB 760 PG 33
 DB 741 PG 42

170
 GINGER M. PARKER
 DB 1087 PG 836

171
 ROBERT L. MASSEY
 AND WIFE
 PEGGY J. MASSEY
 DB 666 PG 146

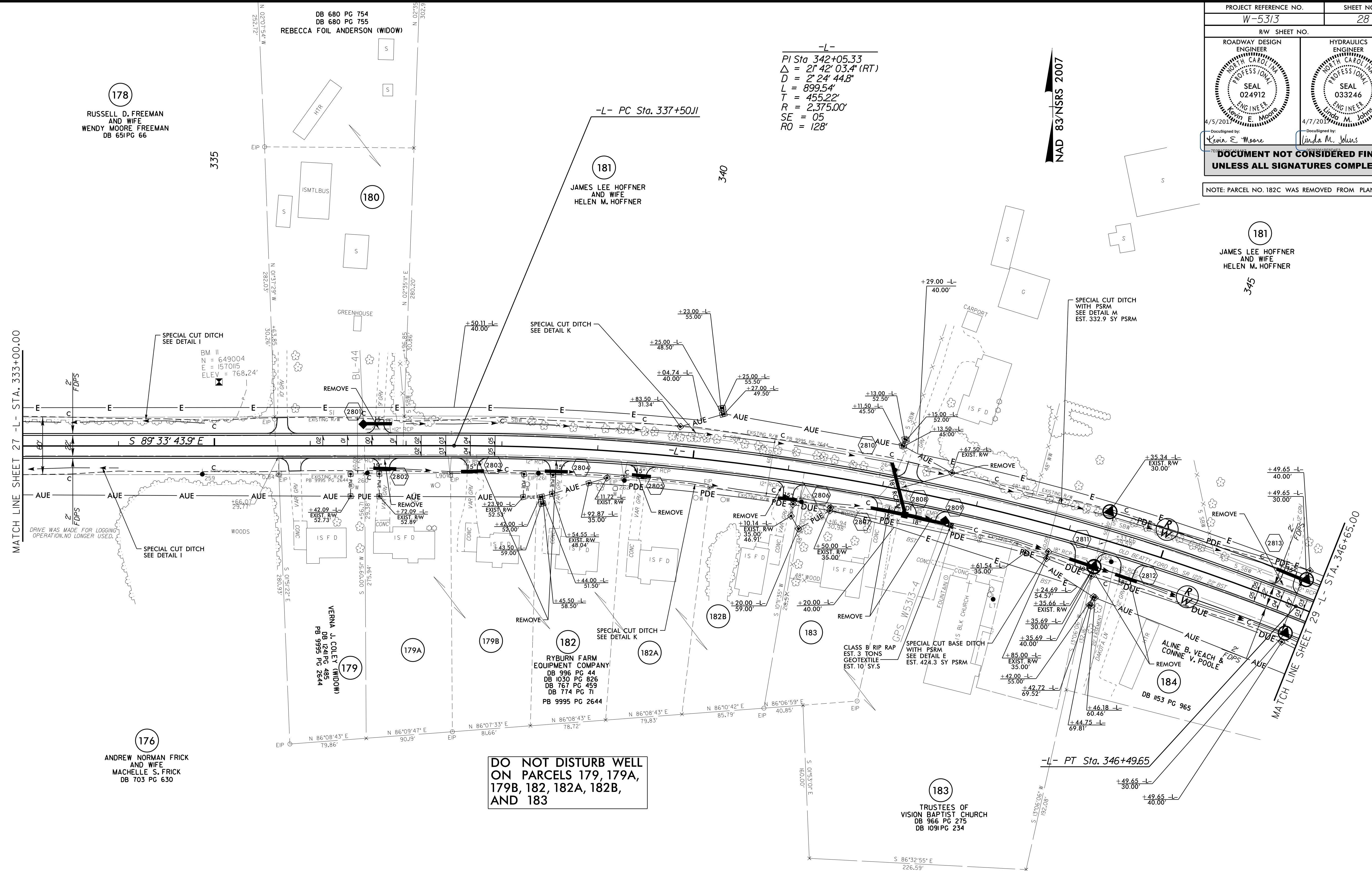
172
 ERIC L. BROWN
 DB 746 PG 250

174
 ANDREW M. BROWN OR
 SARA W. BROWN
 (TRUSTEES OF
 THE BROWN
 REVOCABLE TRUST)
 DB 1130 PG 113

176
 ANDREW NORMAN FRICK
 AND WIFE
 MACHELLE S. FRICK
 DB 703 PG 630

-L-
 PI Sta 342+05.33
 $\Delta = 2^\circ 42' 03.4" (RT)$
 $D = 2' 24' 44.8"$
 $L = 899.54'$
 $T = 455.22'$
 $R = 2,375.00'$
 $SE = 05$
 $RO = 128'$

NAD 83/NSRS 2007



DO NOT DISTURB WELL
 ON PARCELS 179, 179A,
 179B, 182, 182A, 182B,
 AND 183

FOR -L- PROFILE, SEE SHEETS NO. 46 & 47
 FOR -L- DITCH DETAILS, SEE SHEETS NO. 2D-1 & 2D-2
 DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED

REVISIONS

8/17/99
 28-MAR-2017 14:27 W-5313-Rdw-psh-sh28.dgn
 9:58:05 PM

178
 RUSSELL D. FREEMAN
 AND WIFE
 WENDY MOORE FREEMAN
 DB 65 PG 66

181
 JAMES LEE HOFFNER
 AND WIFE
 HELEN M. HOFFNER

181
 JAMES LEE HOFFNER
 AND WIFE
 HELEN M. HOFFNER

176
 ANDREW NORMAN FRICK
 AND WIFE
 MACHELLE S. FRICK
 DB 703 PG 630

179
 VERNIA J. COLEY (WIDOW)
 DB 24 PG 485
 PB 9995 PG 2644

182
 RYBURN FARM
 EQUIPMENT COMPANY
 DB 996 PG 44
 DB 1030 PG 826
 DB 767 PG 459
 DB 774 PG 71
 PB 9995 PG 2644

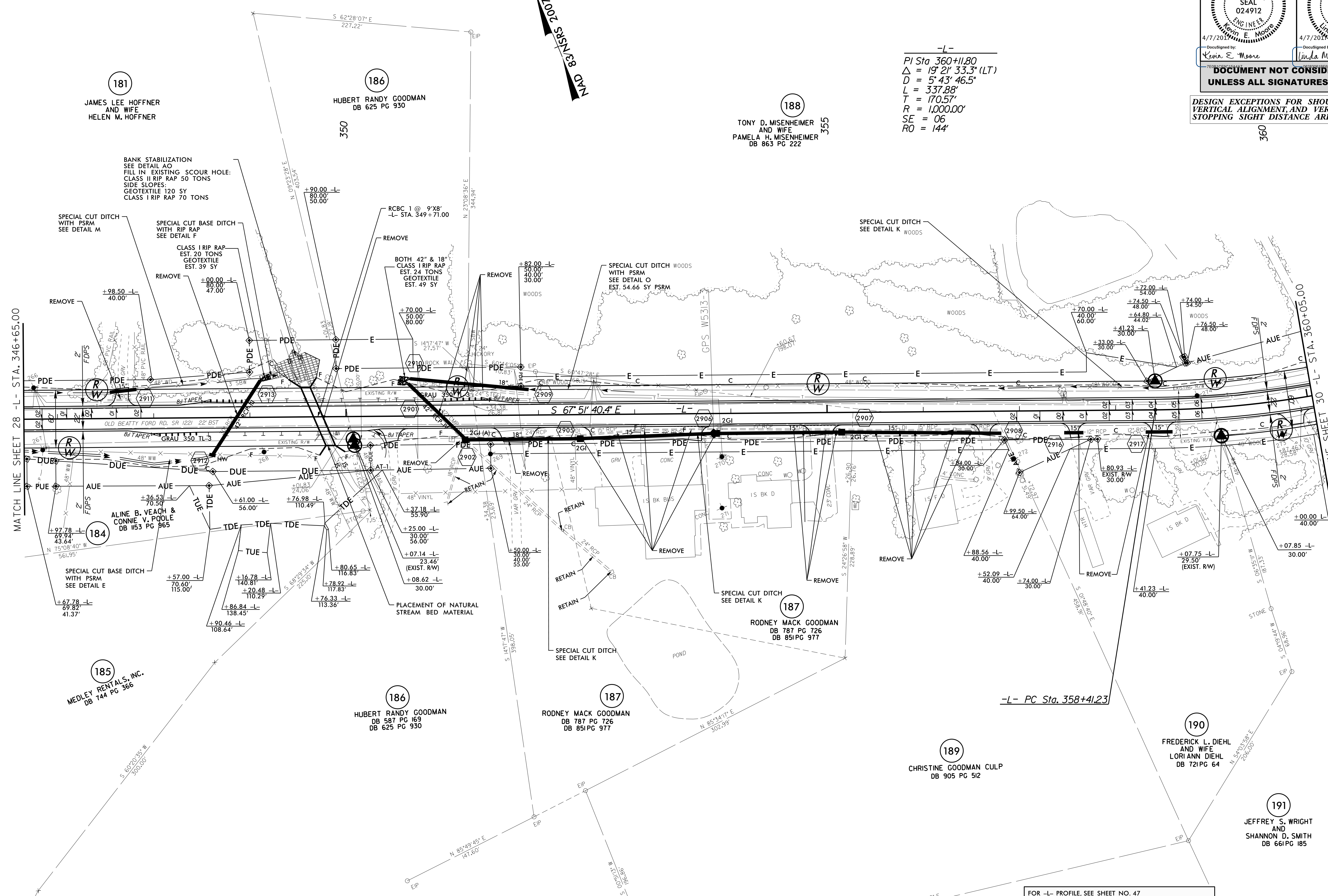
183
 TRUSTEES OF
 VISION BAPTIST CHURCH
 DB 966 PG 275
 DB 1091 PG 234

184
 DB 153 PG 965

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

DESIGN EXCEPTIONS FOR SHOULDER WIDTH, VERTICAL ALIGNMENT, AND VERTICAL STOPPING SIGHT DISTANCE ARE REQUIRED.

-L-
PI Sta 360+11.80
 $\Delta = 19' 21' 33.3" (LT)$
 $D = 5' 43' 46.5"$
 $L = 337.88'$
 $T = 170.57'$
 $R = 1,000.00'$
 $SE = 06'$
 $RO = 144'$



MATCH LINE SHEET 28 -L- STA. 346+65.00

MATCH LINE SHEET 30 -L- STA. 360+05.00

REVISIONS

8/17/99

07-APR-2017 10:45 W:\5313-Rdy_psh-sh29.dgn
3:58:50 PM KJW

FOR -L- PROFILE, SEE SHEET NO. 47
FOR -L- DITCH DETAILS, SEE SHEETS NO. 2D-1 & 2D-2
DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED
FOR CULVERT CONSTRUCTION PLAN, SEE SHEETS C-1-C-15
FOR 42" RCP-III HEADWALL DETAIL, SEE SHEET 2C-1

PROJECT REFERENCE NO. W-5313	SHEET NO. 30
RW SHEET NO.	
ROADWAY DESIGN ENGINEER PROFESSIONAL SEAL 024912 Kevin E. Moore 4/5/2017	HYDRAULICS ENGINEER PROFESSIONAL SEAL 033246 Linda M. Johns 4/7/2017
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

TONY D. MISENHEIMER
AND WIFE
PAMELA H. MISENHEIMER
DB 863 PG 222

188

-L-
PI Sta 360+11.80
 $\Delta = 19' 21' 33.3" (LT)$
 $D = 5' 43' 46.5"$
 $L = 337.88'$
 $T = 170.57'$
 $R = 1,000.00'$
 $SE = 06$
 $RO = 144'$

194

BROWNIE FISHER STIREWALT (WIDOW) &
STEVEN L. STIREWALT &
KAREN S. STIREWALT
DB 1212 PG 621

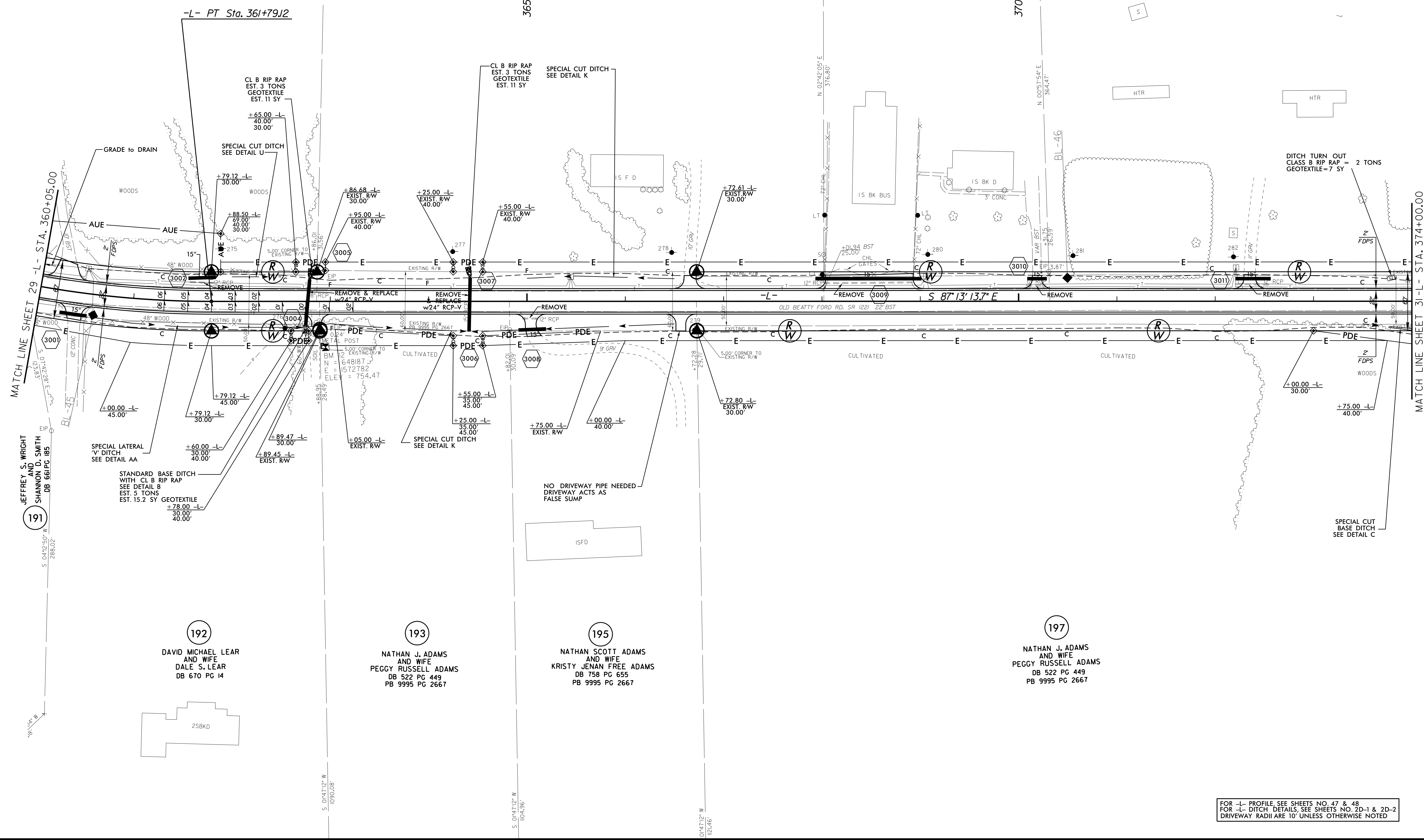
NAD 83/NSRS 2007

198

DANNY JOE KNIGHT
DB 988 PG 979

196

STEVEN LEE STIREWALT
AND WIFE
KAREN S. STIREWALT
DB 375 PG 985



MATCH LINE SHEET 29 -L- STA. 360+05.00

MATCH LINE SHEET 31 -L- STA. 374+00.00

JEFFREY S. WRIGHT
AND
SHANNON D. SMITH
DB 661 PG 185

191

192

DAVID MICHAEL LEAR
AND WIFE
DALE S. LEAR
DB 670 PG 14

193

NATHAN J. ADAMS
AND WIFE
PEGGY RUSSELL ADAMS
DB 522 PG 449
PB 9995 PG 2667

195

NATHAN SCOTT ADAMS
AND WIFE
KRISTY JENAN FREE ADAMS
DB 758 PG 655
PB 9995 PG 2667

197

NATHAN J. ADAMS
AND WIFE
PEGGY RUSSELL ADAMS
DB 522 PG 449
PB 9995 PG 2667

FOR -L- PROFILE SEE SHEETS NO. 47 & 48
FOR -L- DITCH DETAILS SEE SHEETS NO. 2D-1 & 2D-2
DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED

REVISIONS

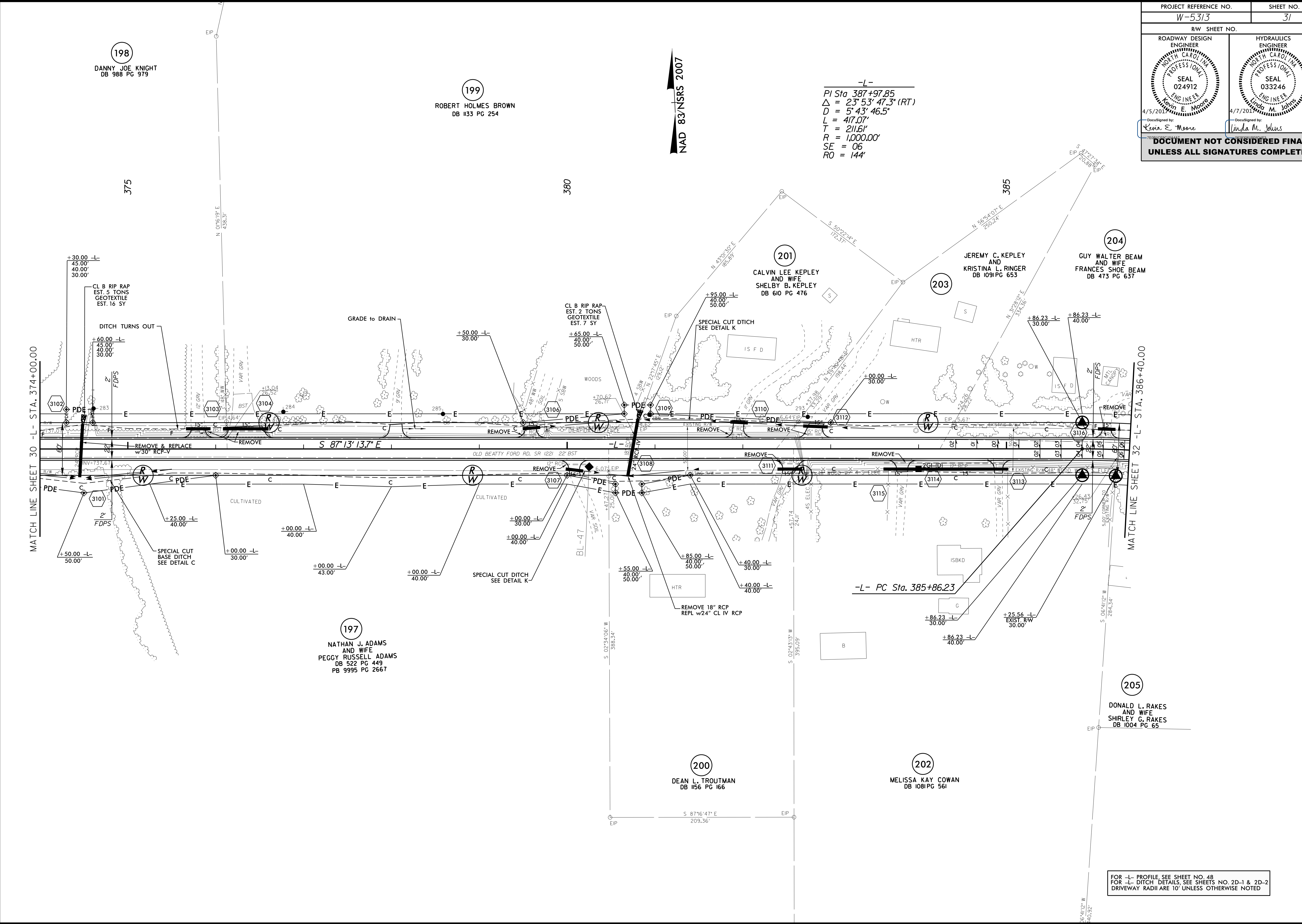
8/17/99

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PROJECT REFERENCE NO. W-5313	SHEET NO. 31
RW SHEET NO.	
ROADWAY DESIGN ENGINEER KEVIN E. MOORE PROFESSIONAL SEAL 024912 4/5/2017	HYDRAULICS ENGINEER LINDA M. JOHNS PROFESSIONAL SEAL 033246 4/7/2017
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	

-L-
 PI Sta 387+97.85
 $\Delta = 23^{\circ} 53' 47.3" (RT)$
 $D = 5^{\circ} 43' 46.5"$
 $L = 417.07'$
 $T = 211.61'$
 $R = 1,000.00'$
 $SE = 06$
 $RO = 144'$

NAD 83/NRS 2007



198
 DANNY JOE KNIGHT
 DB 988 PG 979

199
 ROBERT HOLMES BROWN
 DB 1133 PG 254

201
 CALVIN LEE KEPLEY
 AND WIFE
 SHELBY B. KEPLEY
 DB 610 PG 476

203
 JEREMY C. KEPLEY
 AND
 KRISTINA L. RINGER
 DB 1091 PG 653

204
 GUY WALTER BEAM
 AND WIFE
 FRANCES SHOE BEAM
 DB 473 PG 637

197
 NATHAN J. ADAMS
 AND WIFE
 PEGGY RUSSELL ADAMS
 DB 522 PG 449
 PB 9995 PG 2667

200
 DEAN L. TROUTMAN
 DB 1156 PG 166

202
 MELISSA KAY COWAN
 DB 1081 PG 561

205
 DONALD L. RAKES
 AND WIFE
 SHIRLEY G. RAKES
 DB 1004 PG 65

REVISIONS

8/17/99

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 3133051-RW-11-11-17

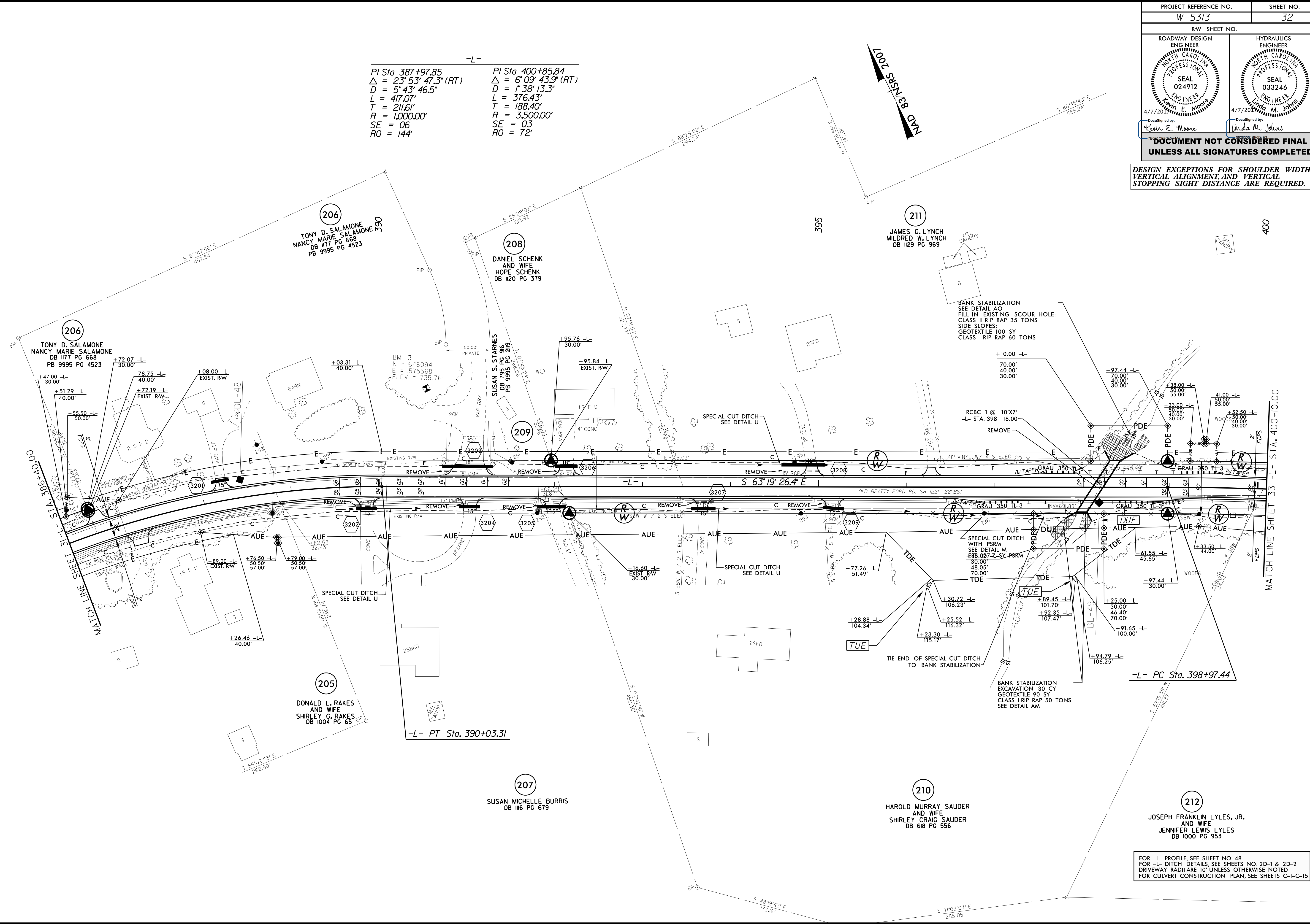
FOR -L- PROFILE SEE SHEET NO. 48
 FOR -L- DITCH DETAILS SEE SHEETS NO. 2D-1 & 2D-2
 DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

DESIGN EXCEPTIONS FOR SHOULDER WIDTH, VERTICAL ALIGNMENT, AND VERTICAL STOPPING SIGHT DISTANCE ARE REQUIRED.

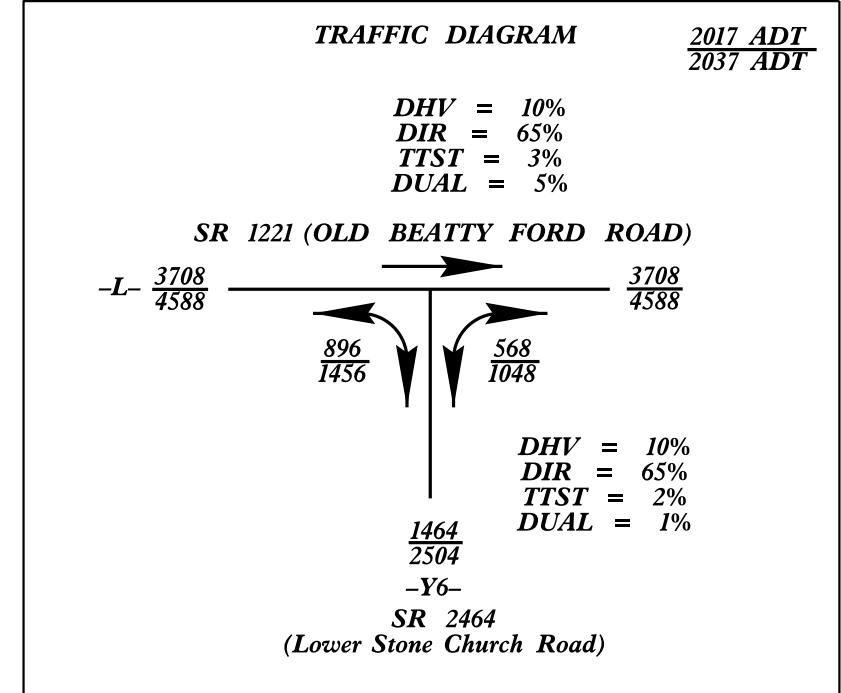
-L-
 PI Sta 387+97.85 PI Sta 400+85.84
 $\Delta = 23^{\circ}53'47.3" (RT)$ $\Delta = 6^{\circ}09'43.9" (RT)$
 $D = 5'43'46.5"$ $D = 1'38'13.3"$
 $L = 417.07'$ $L = 376.43'$
 $T = 211.61'$ $T = 188.40'$
 $R = 1,000.00'$ $R = 3,500.00'$
 $SE = 06$ $SE = 03$
 $RO = 144'$ $RO = 72'$

8/17/99
 REVISIONS
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 3:58:58 PM
 3:58:58 PM



FOR -L- PROFILE, SEE SHEET NO. 48
 FOR -L- DITCH DETAILS, SEE SHEETS NO. 2D-1 & 2D-2
 FOR CULVERT CONSTRUCTION PLAN, SEE SHEETS C-1-C-15

DESIGN EXCEPTIONS FOR SHOULDER WIDTH, VERTICAL ALIGNMENT AND VERTICAL STOPPING SIGHT DISTANCE ARE REQUIRED.



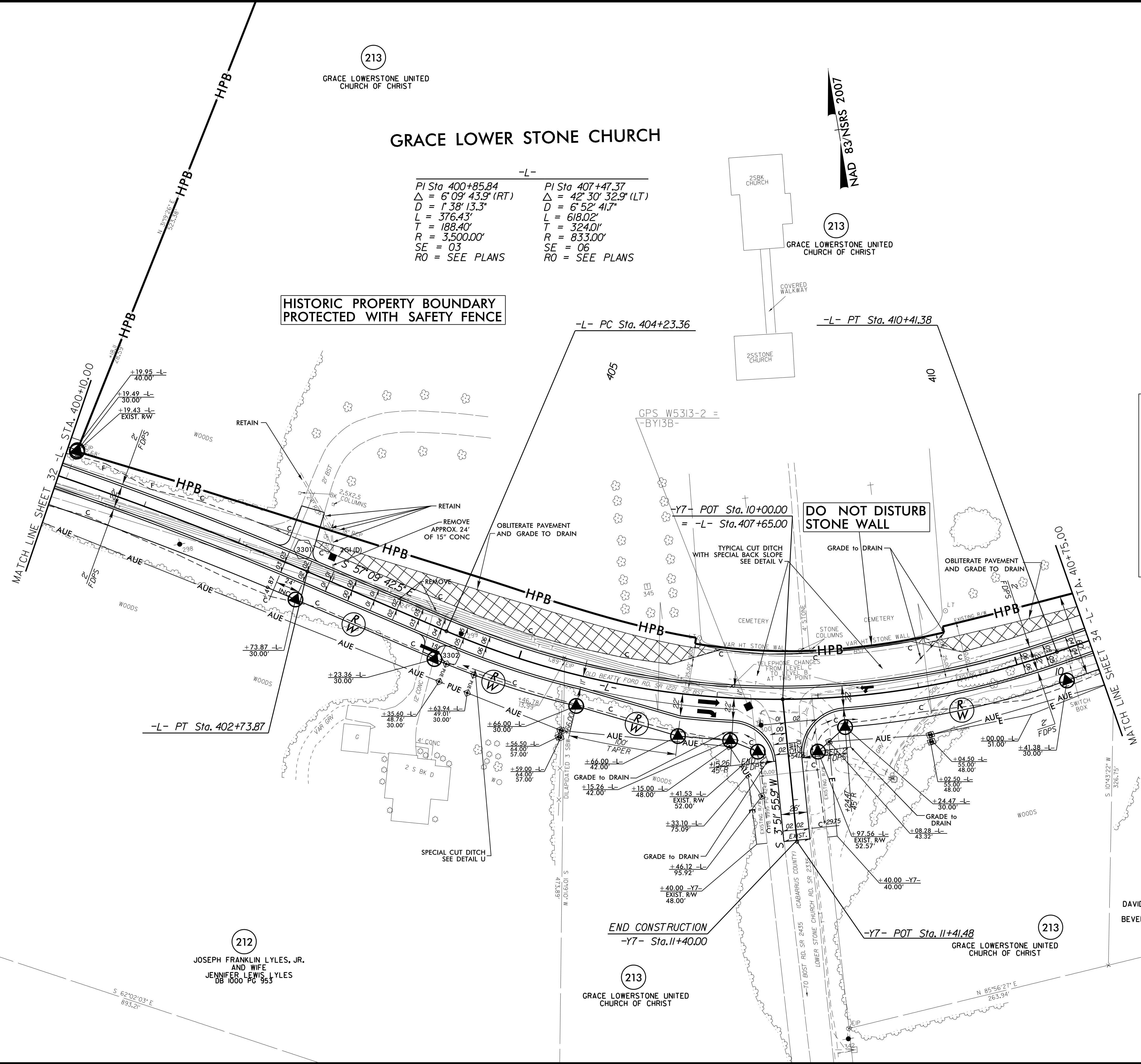
GRACE LOWER STONE CHURCH

213
GRACE LOWERSTONE UNITED CHURCH OF CHRIST

HISTORIC PROPERTY BOUNDARY PROTECTED WITH SAFETY FENCE

-L-
 PI Sta 400+85.84 PI Sta 407+47.37
 $\Delta = 6^{\circ}09'43.9''$ (RT) $\Delta = 42^{\circ}30'32.9''$ (LT)
 $D = 138'13.3''$ $D = 6'52'41.7''$
 $L = 376.43'$ $L = 618.02'$
 $T = 188.40'$ $T = 324.01'$
 $R = 3,500.00'$ $R = 833.00'$
 $SE = 03$ $SE = 06$
 $RO = SEE PLANS$ $RO = SEE PLANS$

NAD 83/NSRS 2007



END CONSTRUCTION
-Y7- Sta. 11+40.00

214
DAVID CHARLES BARTLETT AND WIFE
BEVERLEY ANNE BARTLETT
DB 767 PG 201

FOR -L- PROFILE, SEE SHEETS NO. 48 & 49
FOR -Y7- PROFILE, SEE SHEET NO. 53
3" SAW CUT REQUIRED FROM CHURCH WALL OUT
FOR -L- DITCH DETAILS, SEE SHEETS NO. 2D-1 & 2D-2
DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED



REVISIONS

8/17/99

28-APR-2017 10:32 W:\5313_Rdwy_psh_sht33.dgn
JOSEPH FRANKLIN LYLES, JR.
AND WIFE
JENNIFER LEWIS LYLES
DB 1000 PG 953

212
JOSEPH FRANKLIN LYLES, JR.
AND WIFE
JENNIFER LEWIS LYLES
DB 1000 PG 953

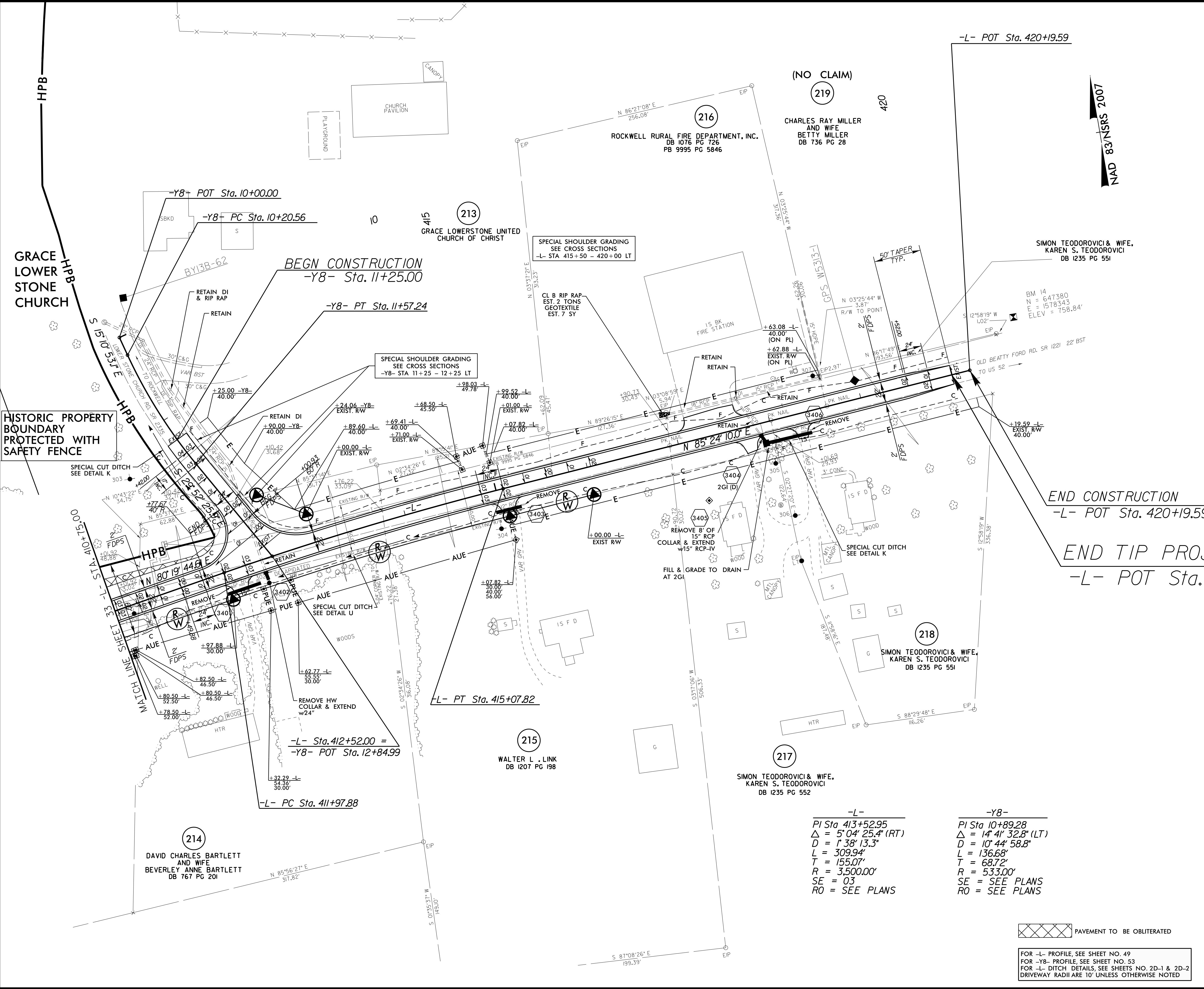
213
GRACE LOWERSTONE UNITED CHURCH OF CHRIST

213
GRACE LOWERSTONE UNITED CHURCH OF CHRIST

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

DESIGN EXCEPTIONS FOR SHOULDER WIDTH, VERTICAL ALIGNMENT AND VERTICAL STOPPING SIGHT DISTANCE ARE REQUIRED.

NAD 83/NSRS 2007



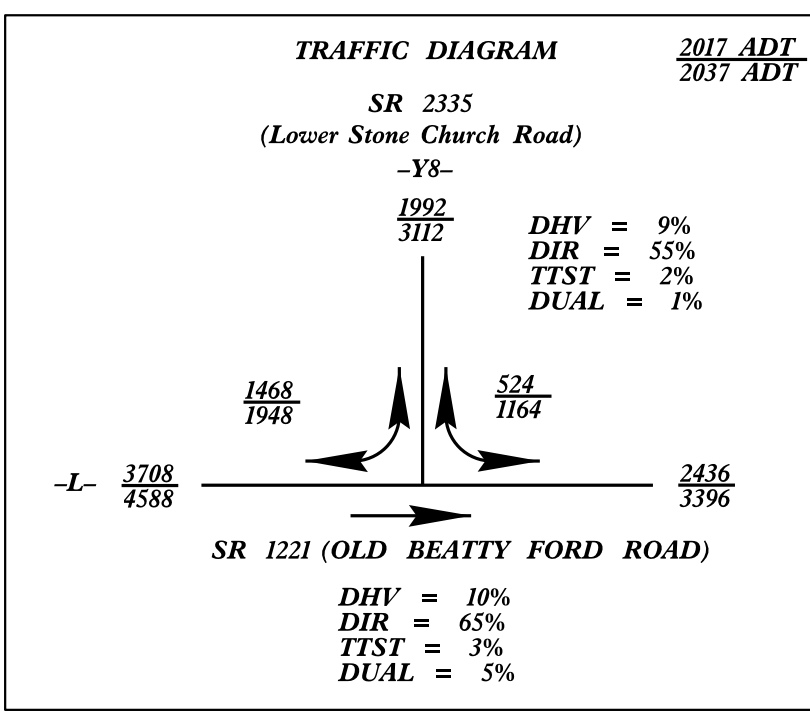
REVISIONS

8/17/99
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 9:58:00 PM W-5313

END CONSTRUCTION
-L- POT Sta. 420+19.59

END TIP PROJECT W-5313
-L- POT Sta. 420+00.00

-L-	-Y8-
PI Sta 413+52.95	PI Sta 10+89.28
$\Delta = 5' 04' 25.4''$ (RT)	$\Delta = 14' 41' 32.8''$ (LT)
D = 1' 38' 13.3"	D = 10' 44' 58.8"
L = 309.94'	L = 136.68'
T = 155.07'	T = 68.72'
R = 3,500.00'	R = 533.00'
SE = 03	SE = SEE PLANS
RO = SEE PLANS	RO = SEE PLANS



PAVEMENT TO BE OBLITERATED

FOR -L- PROFILE, SEE SHEET NO. 49
 FOR -Y8- PROFILE, SEE SHEET NO. 53
 FOR -L- DITCH DETAILS, SEE SHEETS NO. 2D-1 & 2D-2
 DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED

5/28/99

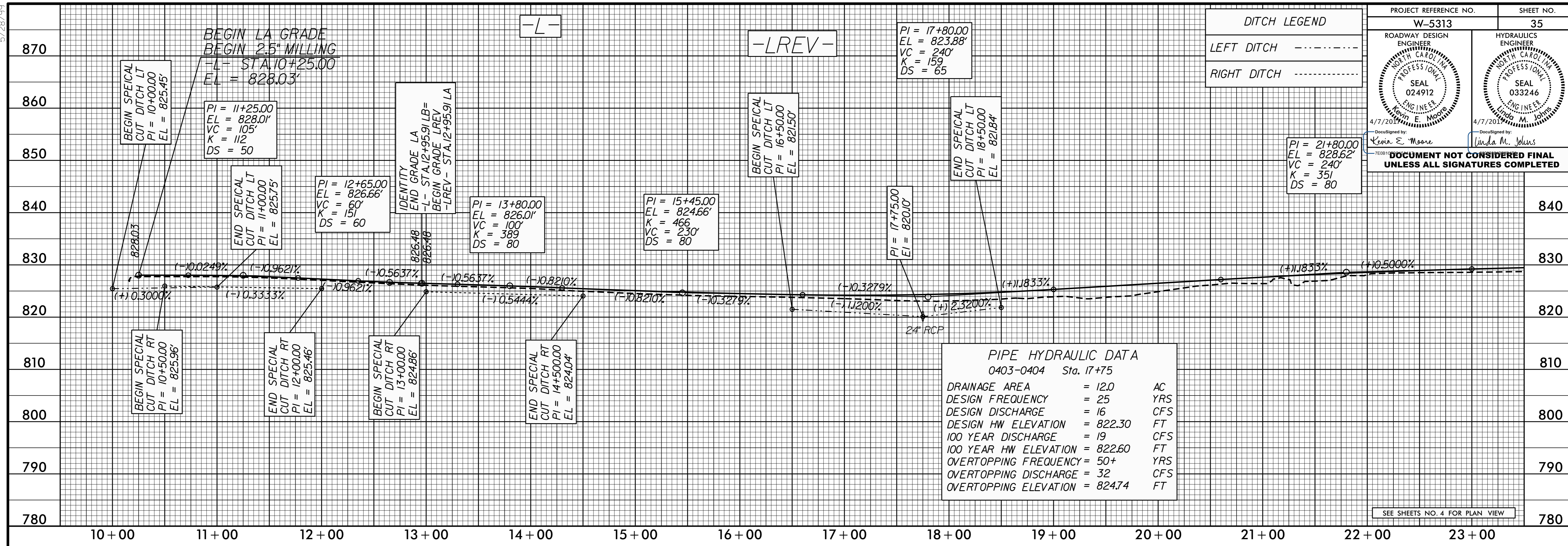
PROJECT REFERENCE NO. W-5313	SHEET NO. 35
ROADWAY DESIGN ENGINEER SEAL 024912 Kevin E. Moore	HYDRAULICS ENGINEER SEAL 033246 Linda M. Johns
4/7/2011 DocuSigned by: Kevin E. Moore	
4/7/2011 DocuSigned by: Linda M. Johns	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

DITCH LEGEND

LEFT DITCH - - - - -

RIGHT DITCH - - - - -

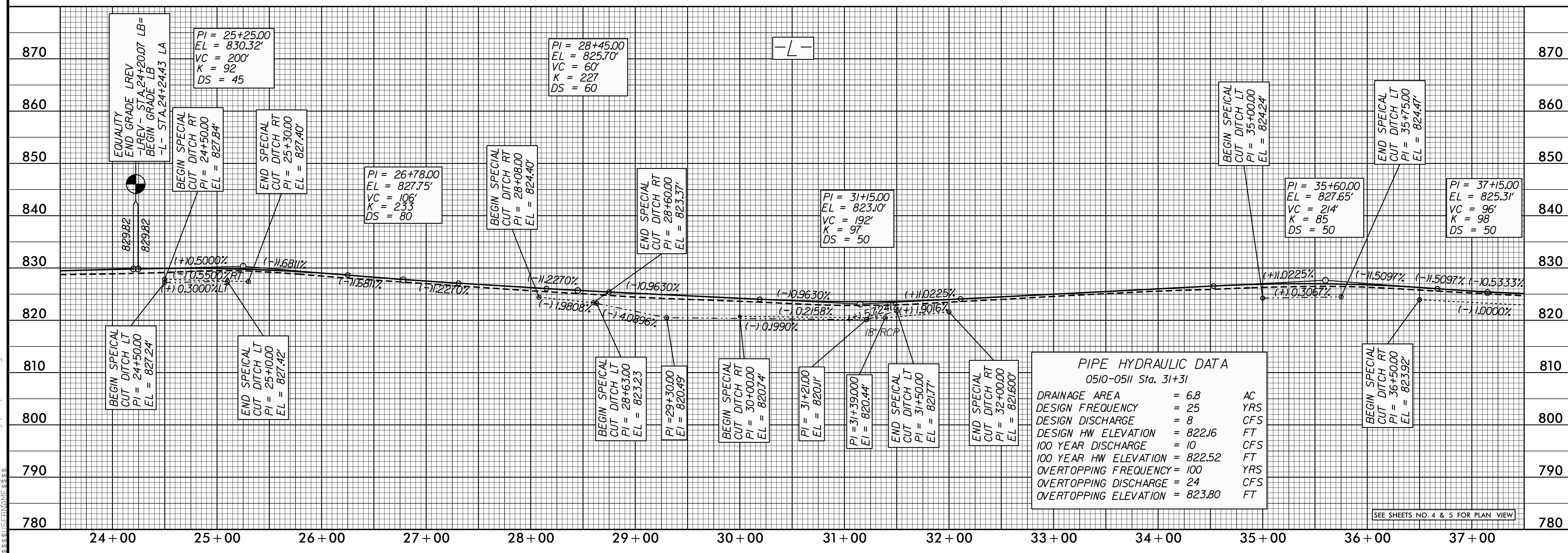
PI = 21+80.00
EL = 828.62'
VC = 240'
K = 351
DS = 80



PIPE HYDRAULIC DATA
0403-0404 Sta. 17+75

DRAINAGE AREA	= 12.0	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 16	CFS
DESIGN HW ELEVATION	= 822.30	FT
100 YEAR DISCHARGE	= 19	CFS
100 YEAR HW ELEVATION	= 822.60	FT
OVERTOPPING FREQUENCY	= 50+	YRS
OVERTOPPING DISCHARGE	= 32	CFS
OVERTOPPING ELEVATION	= 824.74	FT

SEE SHEETS NO. 4 FOR PLAN VIEW



PIPE HYDRAULIC DATA
0510-0511 Sta. 31+31

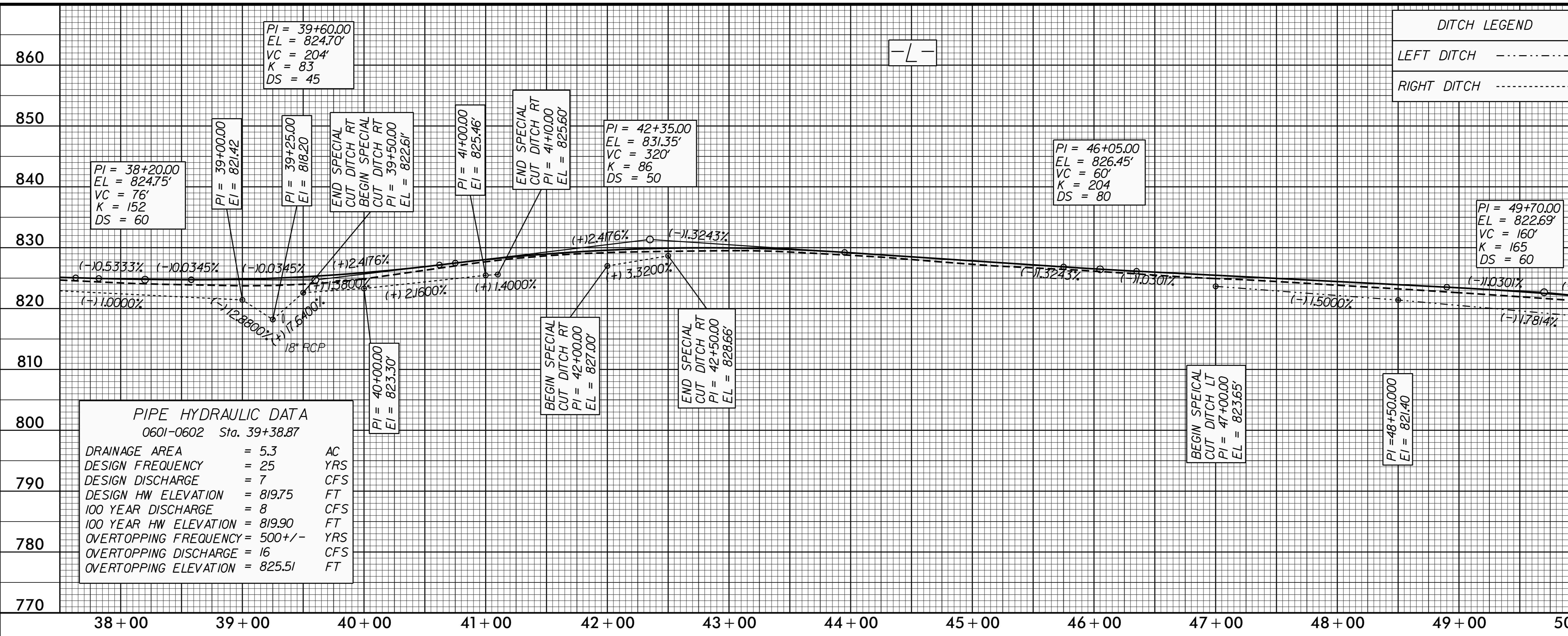
DRAINAGE AREA	= 6.8	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 8	CFS
DESIGN HW ELEVATION	= 822.16	FT
100 YEAR DISCHARGE	= 10	CFS
100 YEAR HW ELEVATION	= 822.52	FT
OVERTOPPING FREQUENCY	= 100	YRS
OVERTOPPING DISCHARGE	= 24	CFS
OVERTOPPING ELEVATION	= 823.80	FT

SEE SHEETS NO. 4 & 5 FOR PLAN VIEW

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5/28/99

PROJECT REFERENCE NO. W-5313	SHEET NO. 36
ROADWAY DESIGN ENGINEER SEAL 024912 Kevin E. Moore	HYDRAULICS ENGINEER SEAL 033246 Linda M. Johns
<p>4/5/2017 Designed by Kevin E. Moore</p> <p>4/7/2017 DocuSigned by Linda M. Johns</p>	
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	

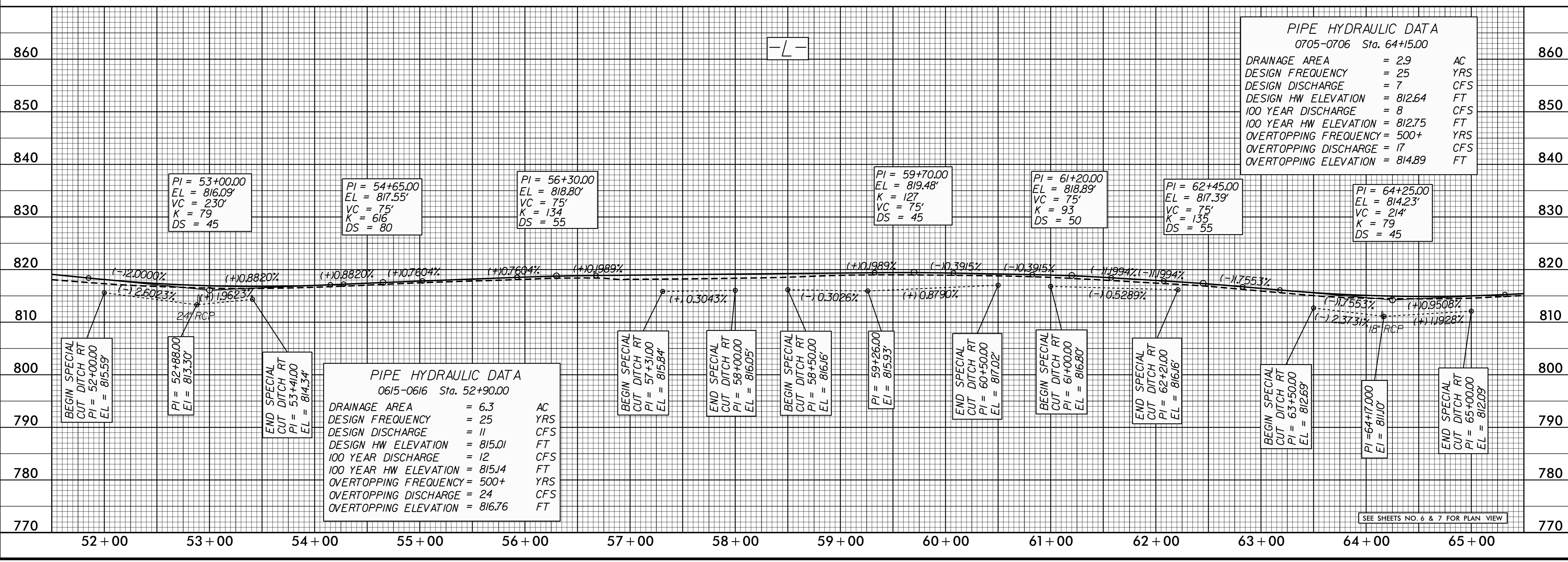


PIPE HYDRAULIC DATA
0601-0602 Sta. 39+38.87

DRAINAGE AREA	= 5.3	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 7	CFS
DESIGN HW ELEVATION	= 819.75	FT
100 YEAR DISCHARGE	= 8	CFS
100 YEAR HW ELEVATION	= 819.90	FT
OVERTOPPING FREQUENCY	= 500+/-	YRS
OVERTOPPING DISCHARGE	= 16	CFS
OVERTOPPING ELEVATION	= 825.51	FT

SEE SHEETS NO. 5 & 6 FOR PLAN VIEW

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PIPE HYDRAULIC DATA
0615-0616 Sta. 52+90.00

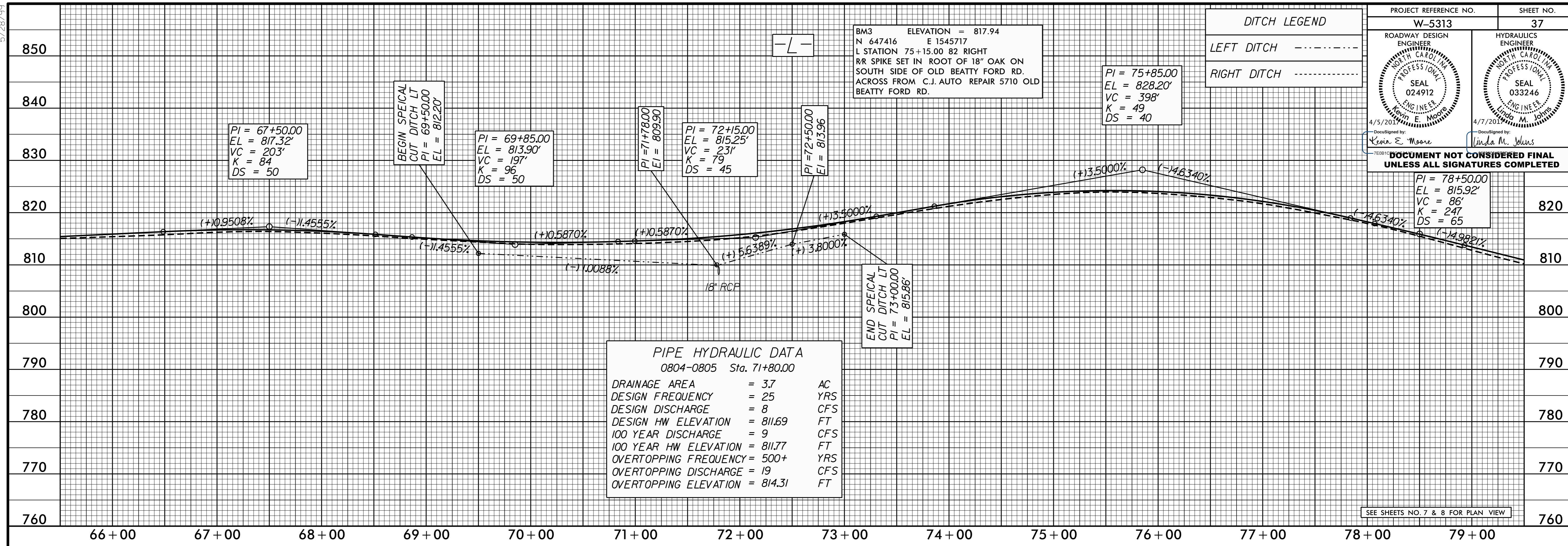
DRAINAGE AREA	= 6.3	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 11	CFS
DESIGN HW ELEVATION	= 815.01	FT
100 YEAR DISCHARGE	= 12	CFS
100 YEAR HW ELEVATION	= 815.14	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 24	CFS
OVERTOPPING ELEVATION	= 816.76	FT

SEE SHEETS NO. 6 & 7 FOR PLAN VIEW

5/28/99

PROJECT REFERENCE NO. W-5313	SHEET NO. 37
ROADWAY DESIGN ENGINEER SEAL 024912 KEVIN E. MOORE	HYDRAULICS ENGINEER SEAL 033246 LINDA M. JOHNS
4/5/2017 Designed by Kevin E. Moore	4/7/2017 Designed by Linda M. Johns

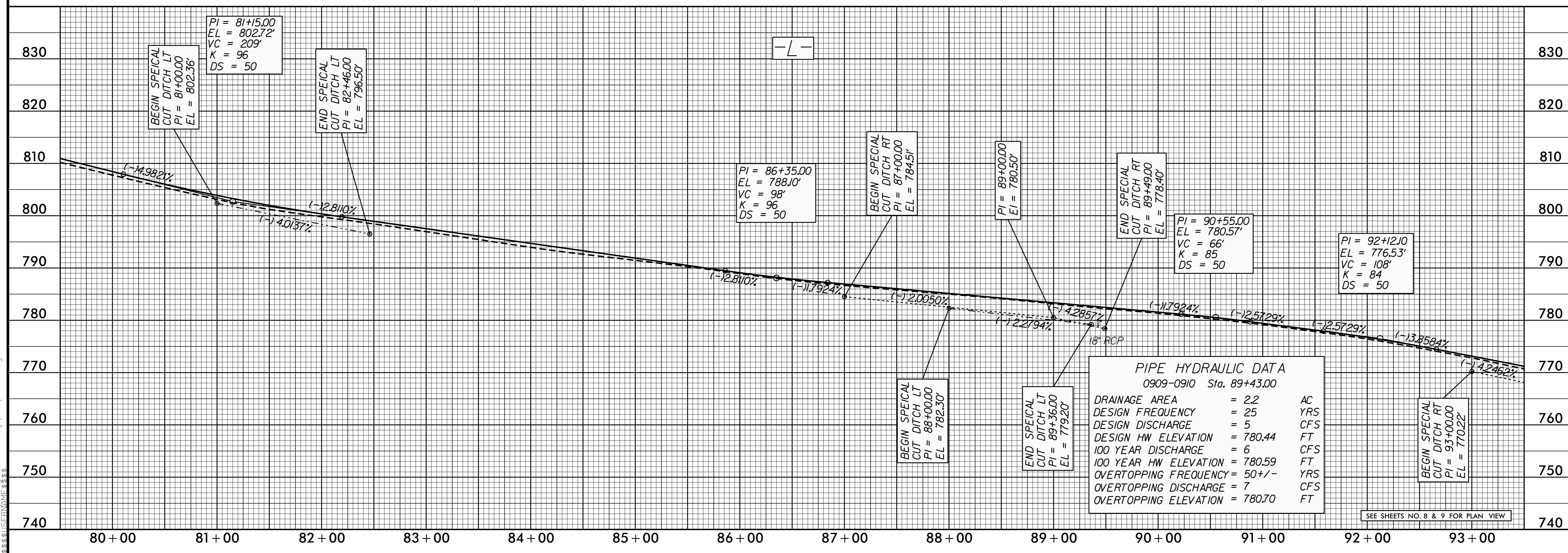
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



PIPE HYDRAULIC DATA
0804-0805 Sta. 71+80.00

DRAINAGE AREA	= 3.7	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 8	CFS
DESIGN HW ELEVATION	= 811.69	FT
100 YEAR DISCHARGE	= 9	CFS
100 YEAR HW ELEVATION	= 811.77	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 19	CFS
OVERTOPPING ELEVATION	= 814.31	FT

SEE SHEETS NO. 7 & 8 FOR PLAN VIEW



PIPE HYDRAULIC DATA
0909-0910 Sta. 89+43.00

DRAINAGE AREA	= 2.2	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 5	CFS
DESIGN HW ELEVATION	= 780.44	FT
100 YEAR DISCHARGE	= 6	CFS
100 YEAR HW ELEVATION	= 780.59	FT
OVERTOPPING FREQUENCY	= 50+/-	YRS
OVERTOPPING DISCHARGE	= 7	CFS
OVERTOPPING ELEVATION	= 780.70	FT

SEE SHEETS NO. 8 & 9 FOR PLAN VIEW

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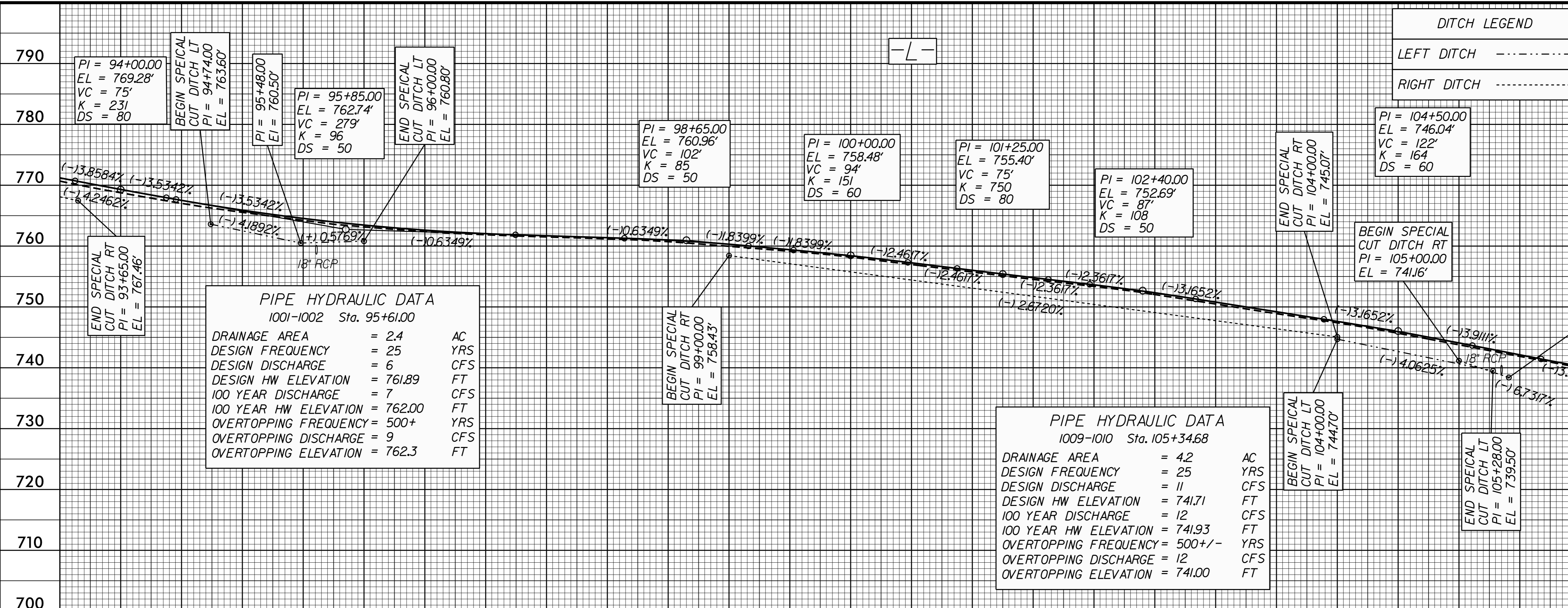
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PROJECT REFERENCE NO. W-5313	SHEET NO. 38
ROADWAY DESIGN ENGINEER SEAL 024912 Kevin E. Moore 4/5/2017	HYDRAULICS ENGINEER SEAL 033246 Linda M. Johns 4/7/2017

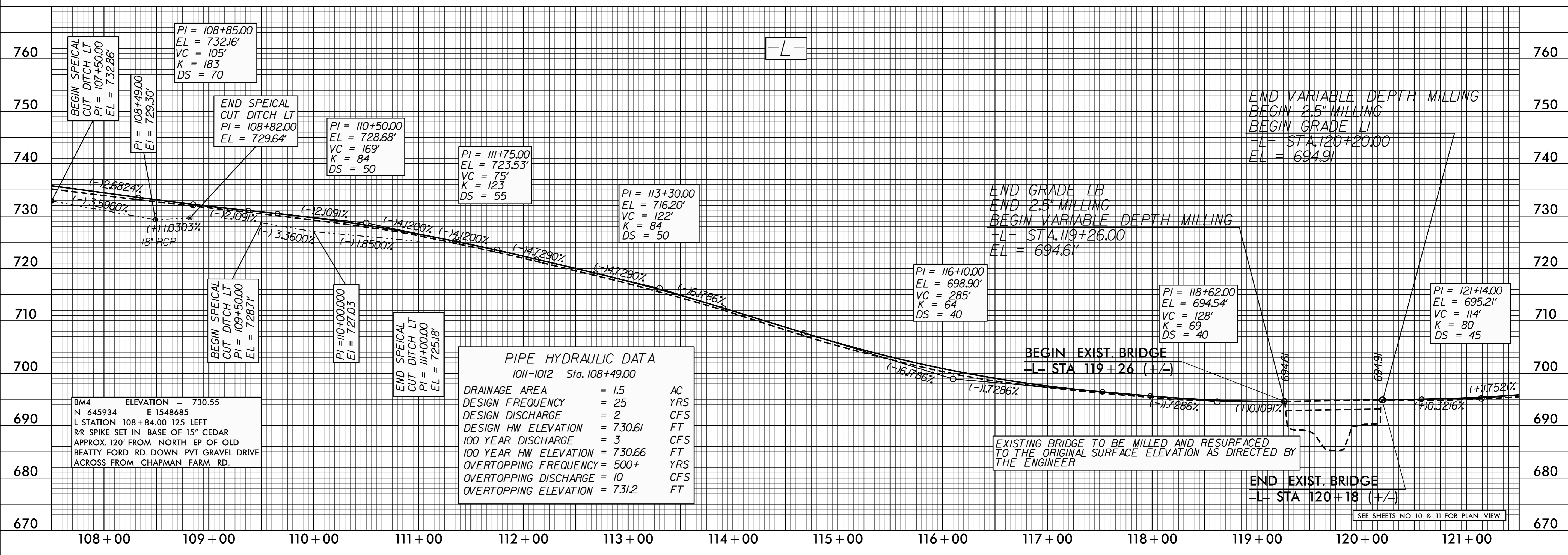
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PI = 94+00.00 EL = 769.28' VC = 75' K = 231 DS = 80	BEGIN SPECIAL CUT DITCH LT PI = 94+74.00 EL = 763.60'	PI = 95+48.00 EL = 760.50'	PI = 95+85.00 EL = 762.74' VC = 279' K = 96 DS = 50	END SPECIAL CUT DITCH LT PI = 96+00.00 EL = 760.80'	PI = 98+65.00 EL = 760.96' VC = 102' K = 85 DS = 50	PI = 100+00.00 EL = 758.48' VC = 94' K = 151 DS = 60	PI = 101+25.00 EL = 755.40' VC = 75' K = 750 DS = 80	PI = 102+40.00 EL = 752.69' VC = 87' K = 108 DS = 50	END SPECIAL CUT DITCH RT PI = 104+00.00 EL = 745.07'	PI = 104+50.00 EL = 746.04' VC = 122' K = 164 DS = 60	BEGIN SPECIAL CUT DITCH RT PI = 105+00.00 EL = 741.16'	PI = 106+30.00 EL = 739.00' VC = 125' K = 102 DS = 50	END SPECIAL CUT DITCH RT PI = 105+41.00 EL = 738.40'
---	--	-------------------------------	---	--	---	--	--	--	---	---	---	---	---



94+00 95+00 96+00 97+00 98+00 99+00 100+00 101+00 102+00 103+00 104+00 105+00 106+00 107+00

SEE SHEETS NO. 9 & 10 FOR PLAN VIEW



108+00 109+00 110+00 111+00 112+00 113+00 114+00 115+00 116+00 117+00 118+00 119+00 120+00 121+00

SEE SHEETS NO. 10 & 11 FOR PLAN VIEW

END VARIABLE DEPTH MILLING
BEGIN 2.5" MILLING
BEGIN GRADE LI
-L- STA. 120+20.00
EL = 694.91

END GRADE LB
END 2.5" MILLING
BEGIN VARIABLE DEPTH MILLING
-L- STA. 119+26.00
EL = 694.61'

BEGIN EXIST. BRIDGE
-L- STA 119+26 (+/-)

EXISTING BRIDGE TO BE MILLED AND RESURFACED
TO THE ORIGINAL SURFACE ELEVATION AS DIRECTED BY
THE ENGINEER

END EXIST. BRIDGE
-L- STA 120+18 (+/-)

BM4 ELEVATION = 730.55
N 645934 E 1548685
L STATION 108+84.00 125 LEFT
RR SPIKE SET IN BASE OF 15" CEDAR
APPROX. 120' FROM NORTH EP OF OLD
BEATTY FORD RD. DOWN PVT GRAVEL DRIVE
ACROSS FROM CHAPMAN FARM RD.

PIPE HYDRAULIC DATA
1011-1012 Sta. 108+49.00

DRAINAGE AREA	= 1.5	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 2	CFS
DESIGN HW ELEVATION	= 730.61	FT
100 YEAR DISCHARGE	= 3	CFS
100 YEAR HW ELEVATION	= 730.66	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 10	CFS
OVERTOPPING ELEVATION	= 731.2	FT

5/28/99

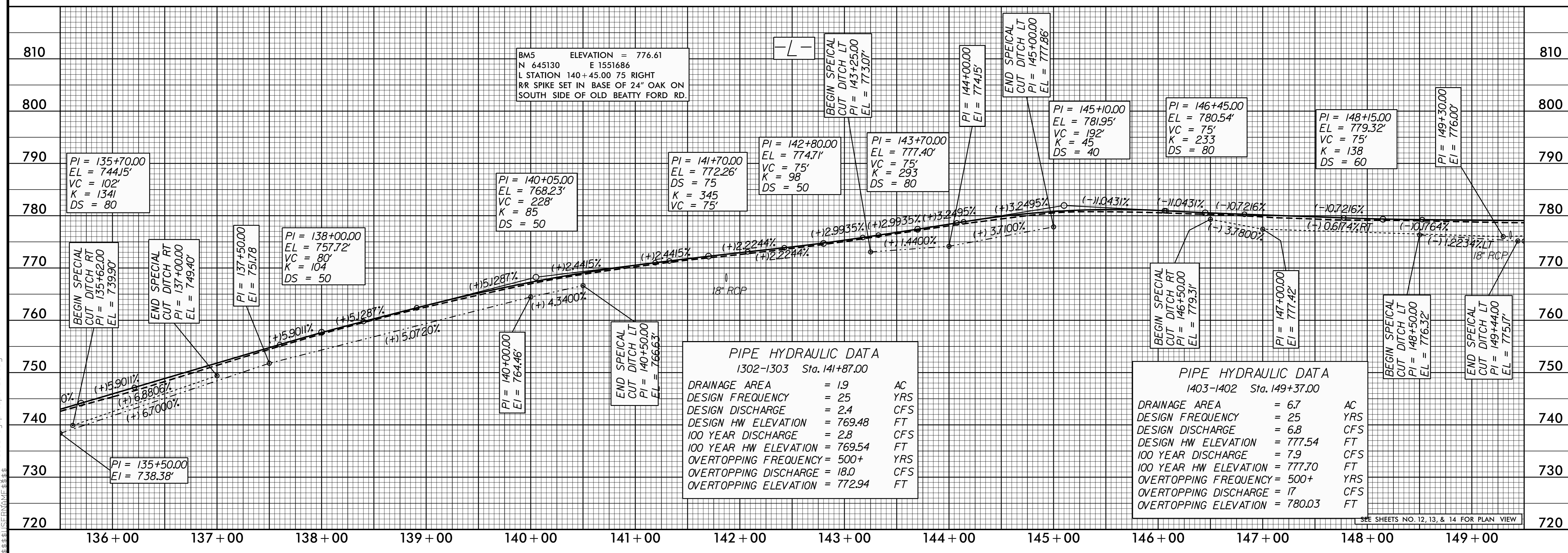
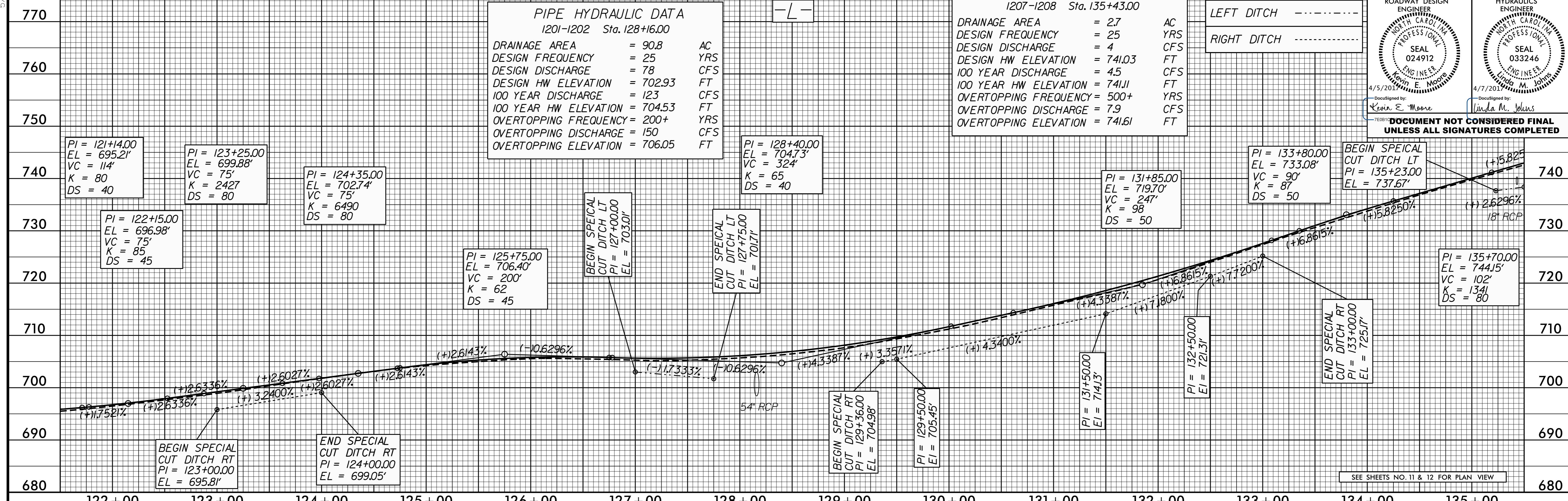
ROADWAY DESIGN ENGINEER
 SEAL 024912
 Kevin E. Moore

HYDRAULICS ENGINEER
 SEAL 033246
 Linda M. Johns

4/5/2017
 DocuSigned by: Kevin E. Moore

4/7/2017
 DocuSigned by: Linda M. Johns

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

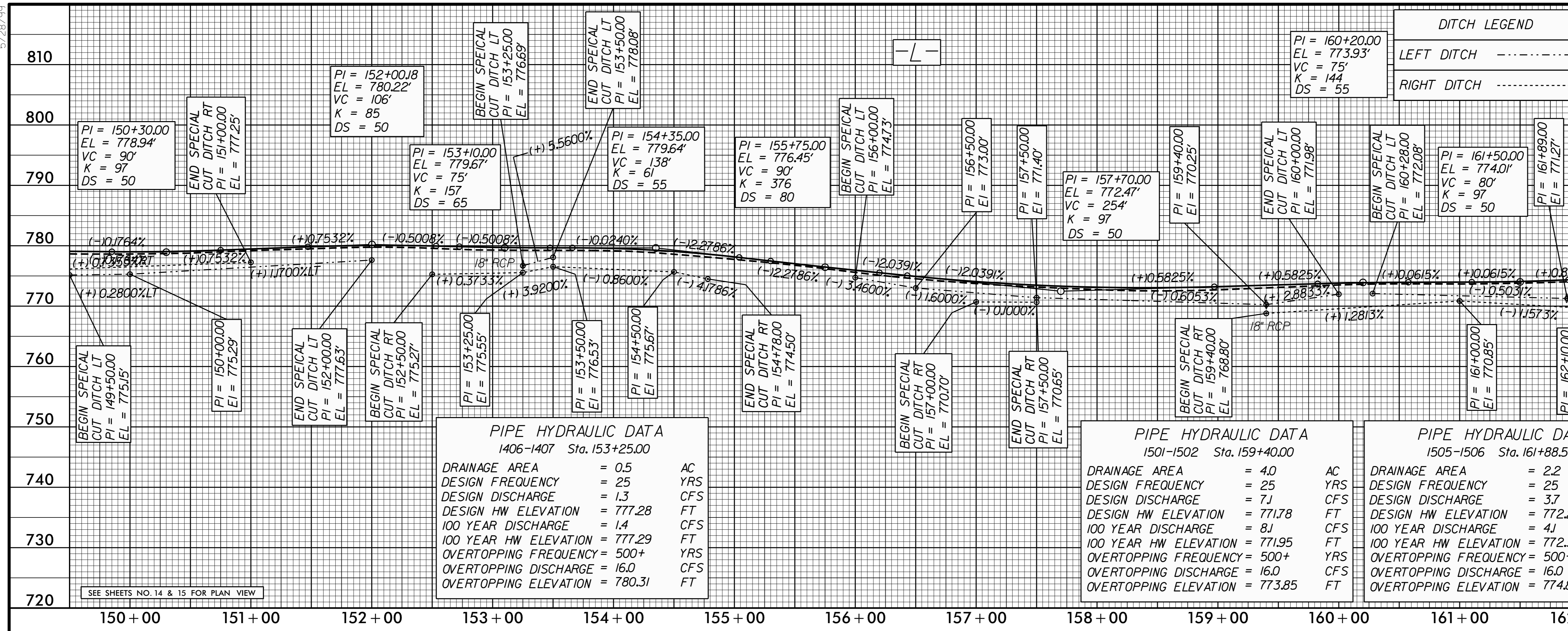


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SEE SHEETS NO. 12, 13, & 14 FOR PLAN VIEW

5/28/99

PROJECT REFERENCE NO. W-5313		SHEET NO. 40	
ROADWAY DESIGN ENGINEER SEAL 024912 Kevin E. Moore		HYDRAULICS ENGINEER SEAL 033246 Linda M. Johns	
4/5/2017		4/7/2017	
DocuSigned by: DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			



PIPE HYDRAULIC DATA
1406-1407 Sta. 153+25.00

DRAINAGE AREA	= 0.5	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 1.3	CFS
DESIGN HW ELEVATION	= 777.28	FT
100 YEAR DISCHARGE	= 1.4	CFS
100 YEAR HW ELEVATION	= 777.29	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 16.0	CFS
OVERTOPPING ELEVATION	= 780.31	FT

PIPE HYDRAULIC DATA
1501-1502 Sta. 159+40.00

DRAINAGE AREA	= 4.0	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 7.1	CFS
DESIGN HW ELEVATION	= 771.78	FT
100 YEAR DISCHARGE	= 8.1	CFS
100 YEAR HW ELEVATION	= 771.95	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 16.0	CFS
OVERTOPPING ELEVATION	= 773.85	FT

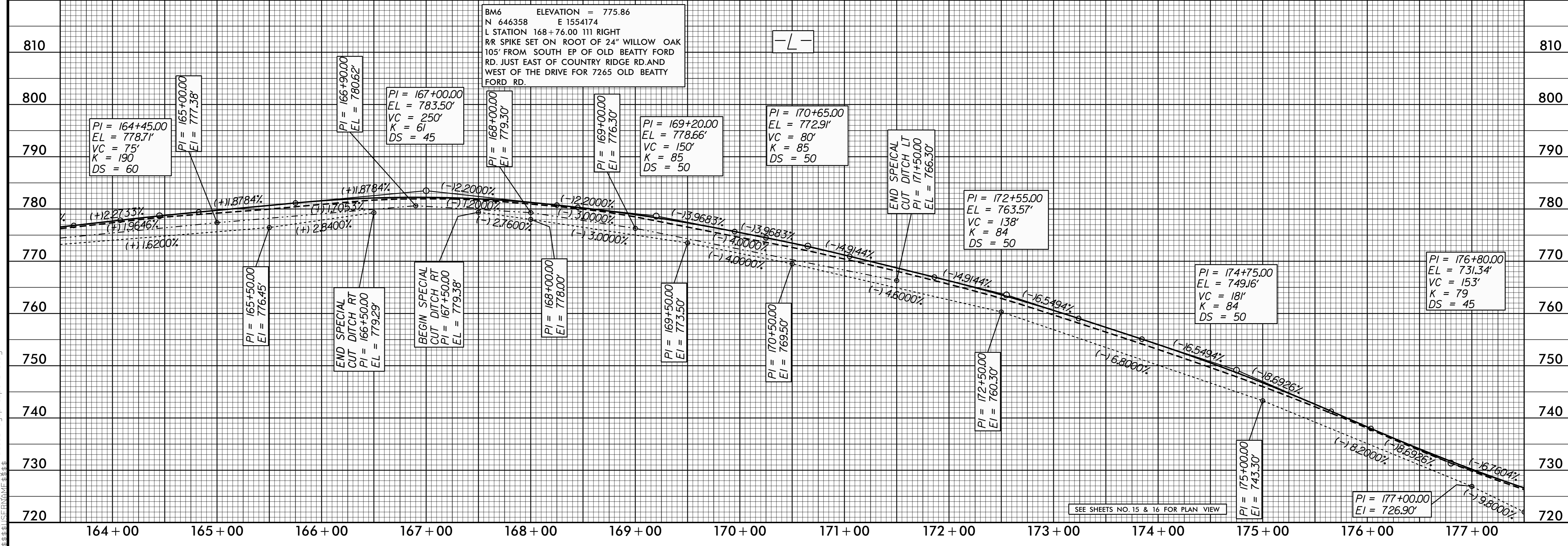
PIPE HYDRAULIC DATA
1505-1506 Sta. 161+88.50

DRAINAGE AREA	= 2.2	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 3.7	CFS
DESIGN HW ELEVATION	= 772.29	FT
100 YEAR DISCHARGE	= 4.1	CFS
100 YEAR HW ELEVATION	= 772.37	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 16.0	CFS
OVERTOPPING ELEVATION	= 774.89	FT

PI = 162+95.00
EL = 775.30'
VC = 136'
K = 98
DS = 50

SEE SHEETS NO. 14 & 15 FOR PLAN VIEW

SEE SHEETS NO. 15 & 16 FOR PLAN VIEW



BM6 ELEVATION = 775.86
N 646358 E 1554174
L STATION 168+76.00 111 RIGHT
RR SPIKE SET ON ROOT OF 24" WILLOW OAK
105' FROM SOUTH EP OF OLD BEATTY FORD
RD. JUST EAST OF COUNTRY RIDGE RD AND
WEST OF THE DRIVE FOR 7265 OLD BEATTY
FORD RD.

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5/28/99

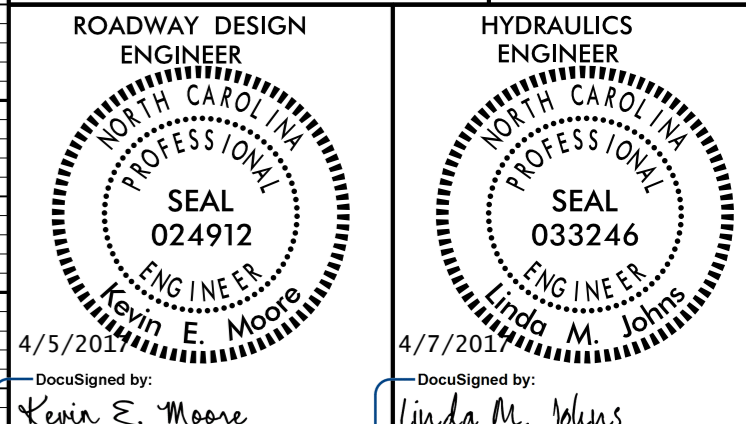
CULVERT HYDRAULIC DATA

DESIGN DISCHARGE	= 700	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 712.2	FT
BASE DISCHARGE	= 1,000	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 717.2	FT
OVERTOPPING DISCHARGE	= 1,042	CFS
OVERTOPPING FREQUENCY	= 100 +/-	YRS
OVERTOPPING ELEVATION	= 718.1*	FT

DITCH LEGEND

LEFT DITCH - - - - -

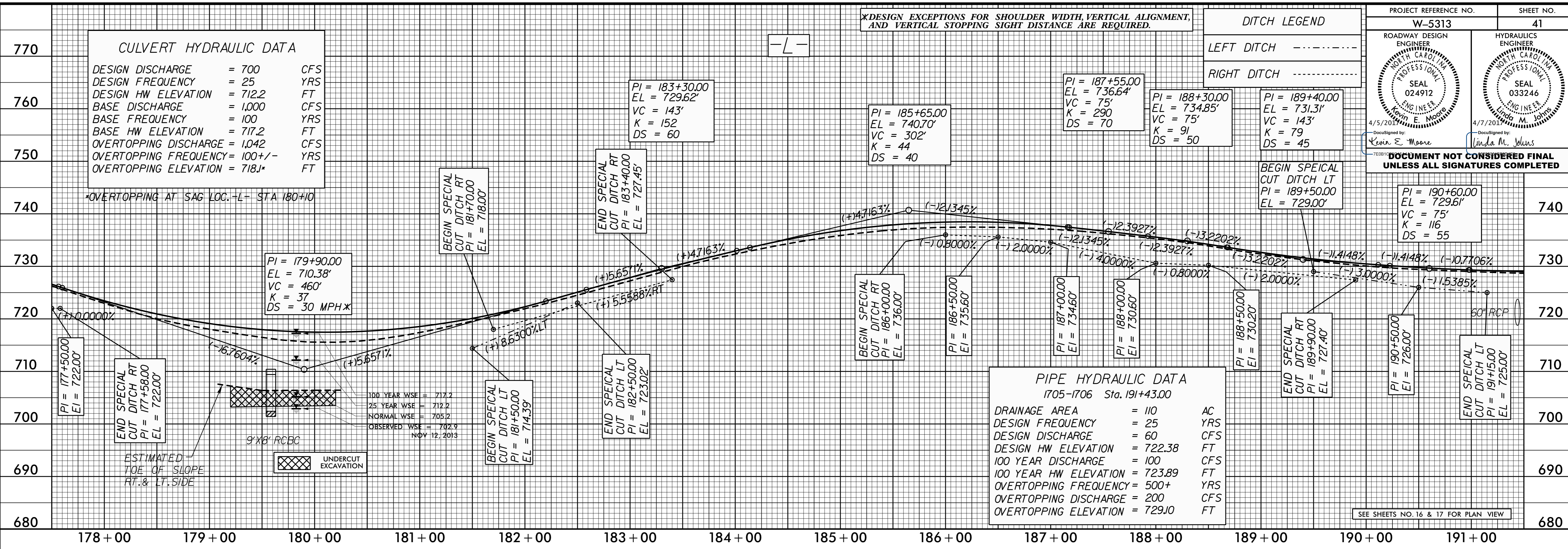
RIGHT DITCH - - - - -



4/5/2013 DocuSigned by: Kevin E. Moore
 4/7/2013 DocuSigned by: Linda M. Johns

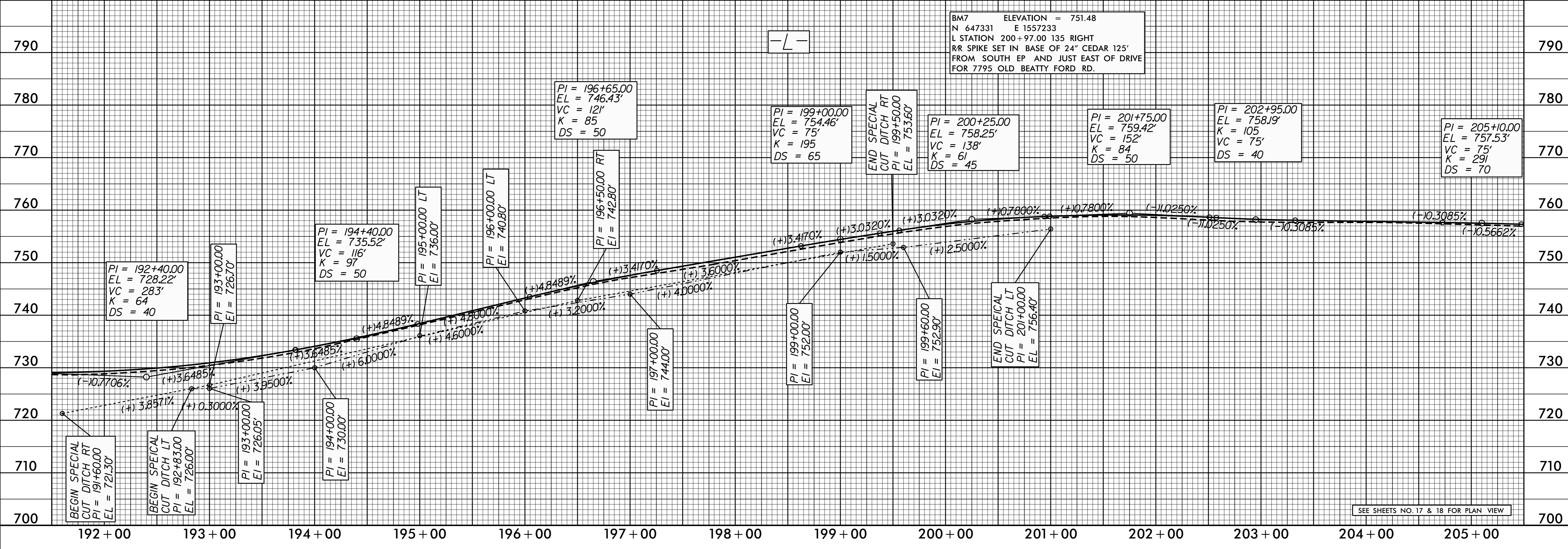
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

*OVERTOPPING AT SAG LOC. = L- STA 180+10



PIPE HYDRAULIC DATA
1705-1706 Sta. 191+43.00

DRAINAGE AREA	= 110	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 60	CFS
DESIGN HW ELEVATION	= 722.38	FT
100 YEAR DISCHARGE	= 100	CFS
100 YEAR HW ELEVATION	= 723.89	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 200	CFS
OVERTOPPING ELEVATION	= 729.10	FT



28-MAR-2017 14:27 W:\5313_Rdwy\p1.psh-41.dgn
 4:53:50 PSE/PAW/VE 8.8.8

SEE SHEETS NO. 17 & 18 FOR PLAN VIEW

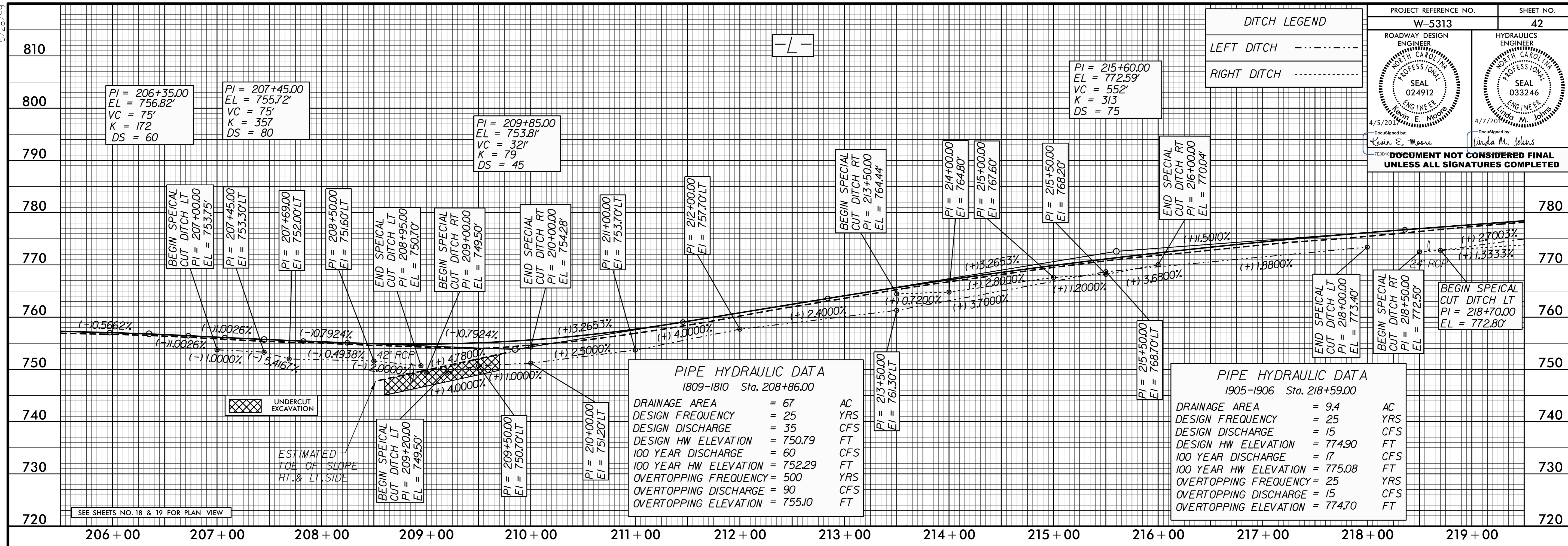
5/28/99

PROJECT REFERENCE NO. W-5313	SHEET NO. 42
ROADWAY DESIGN ENGINEER SEAL 024912 Kevin E. Moore 4/5/2017	HYDRAULICS ENGINEER SEAL 033246 Linda M. Johns 4/7/2017
<p align="center">DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	

DITCH LEGEND

LEFT DITCH - - - - -

RIGHT DITCH - - - - -



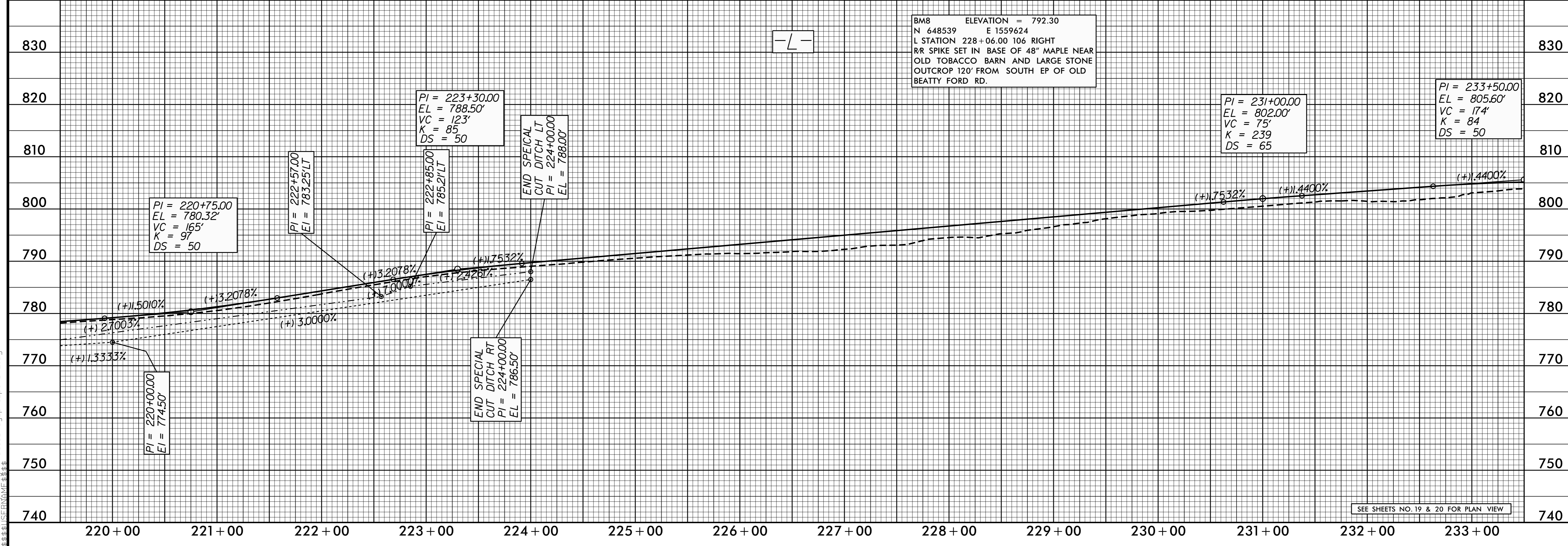
PIPE HYDRAULIC DATA
1809-1810 Sta. 208+86.00

DRAINAGE AREA	= 67	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 35	CFS
DESIGN HW ELEVATION	= 750.79	FT
100 YEAR DISCHARGE	= 60	CFS
100 YEAR HW ELEVATION	= 752.29	FT
OVERTOPPING FREQUENCY	= 500	YRS
OVERTOPPING DISCHARGE	= 90	CFS
OVERTOPPING ELEVATION	= 755.10	FT

PIPE HYDRAULIC DATA
1905-1906 Sta. 218+59.00

DRAINAGE AREA	= 9.4	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 15	CFS
DESIGN HW ELEVATION	= 774.90	FT
100 YEAR DISCHARGE	= 17	CFS
100 YEAR HW ELEVATION	= 775.08	FT
OVERTOPPING FREQUENCY	= 25	YRS
OVERTOPPING DISCHARGE	= 15	CFS
OVERTOPPING ELEVATION	= 774.70	FT

SEE SHEETS NO. 18 & 19 FOR PLAN VIEW



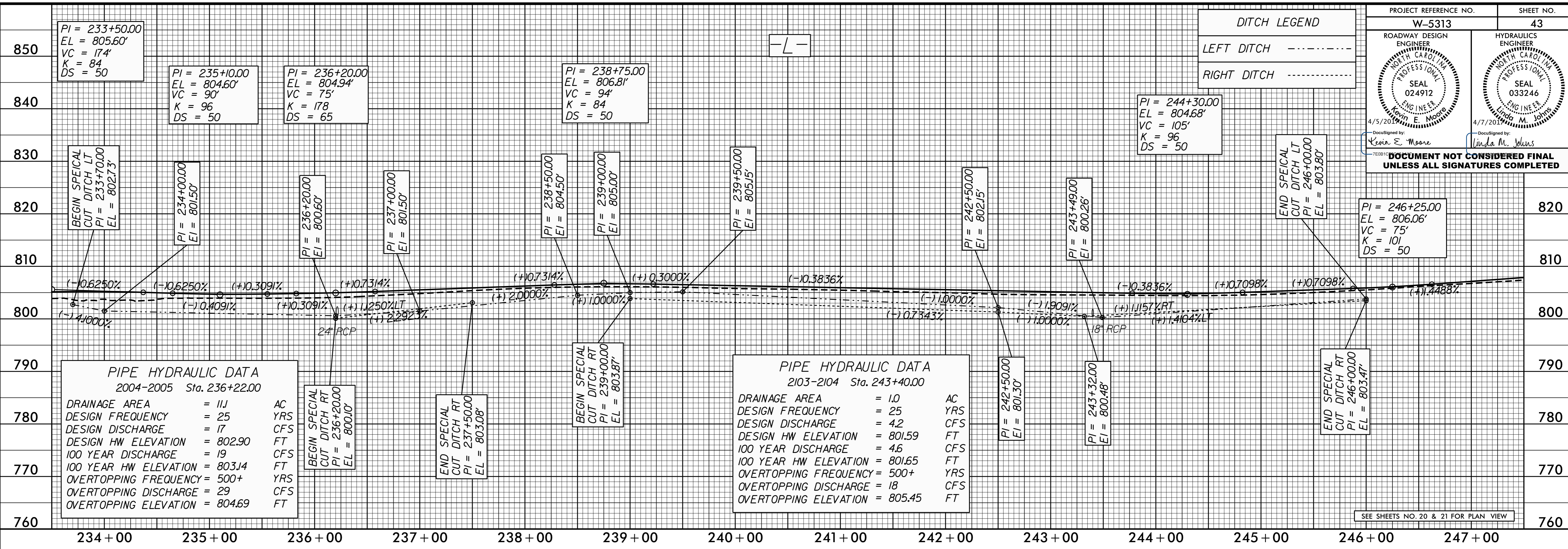
BMB ELEVATION = 792.30
N 648539 E 1559624
L STATION 228+06.00 106 RIGHT
RR SPIKE SET IN BASE OF 48" MAPLE NEAR
OLD TOBACCO BARN AND LARGE STONE
OUTCROP 120' FROM SOUTH EP OF OLD
BEATTY FORD RD.

SEE SHEETS NO. 19 & 20 FOR PLAN VIEW

28-MAR-2017 14:27 W:\5313_Rdwy\pl.psh_42.dgn

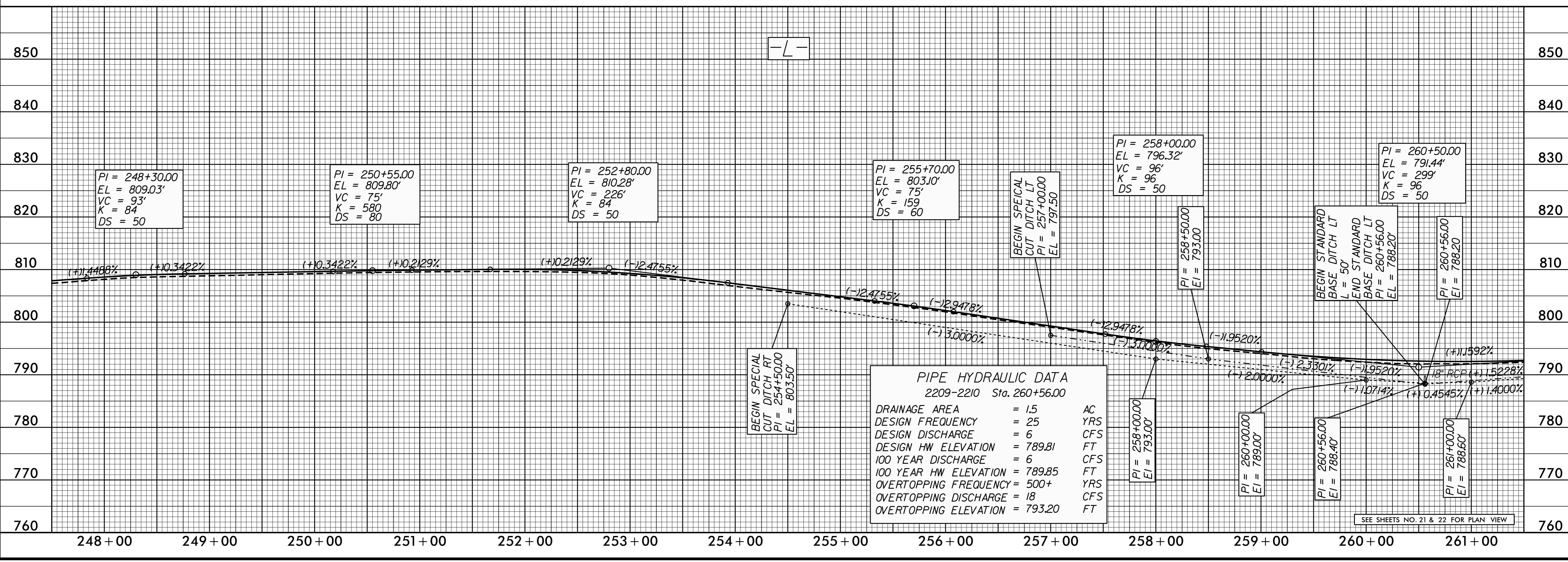
5/28/99

PROJECT REFERENCE NO. W-5313	SHEET NO. 43
ROADWAY DESIGN ENGINEER SEAL 024912 Kevin E. Moore	HYDRAULICS ENGINEER SEAL 033246 Linda M. Johns
<p>4/5/2014 Designed by Kevin E. Moore</p> <p>4/7/2014 Designed by Linda M. Johns</p>	
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	



SEE SHEETS NO. 20 & 21 FOR PLAN VIEW

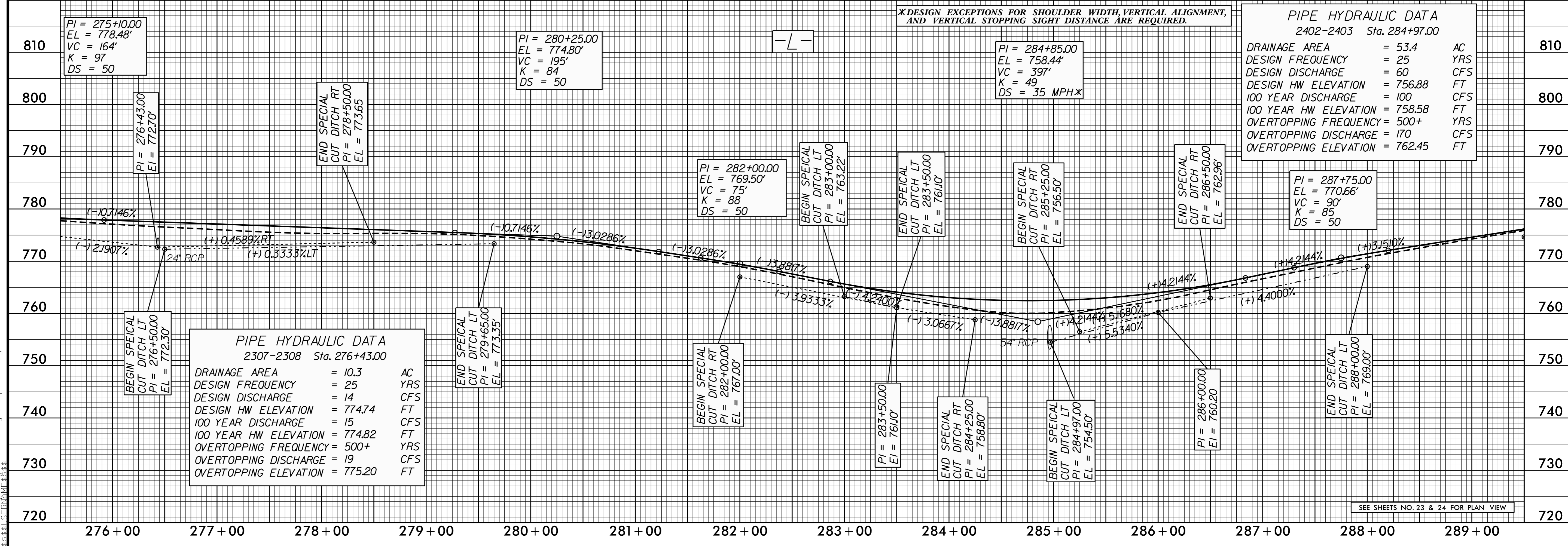
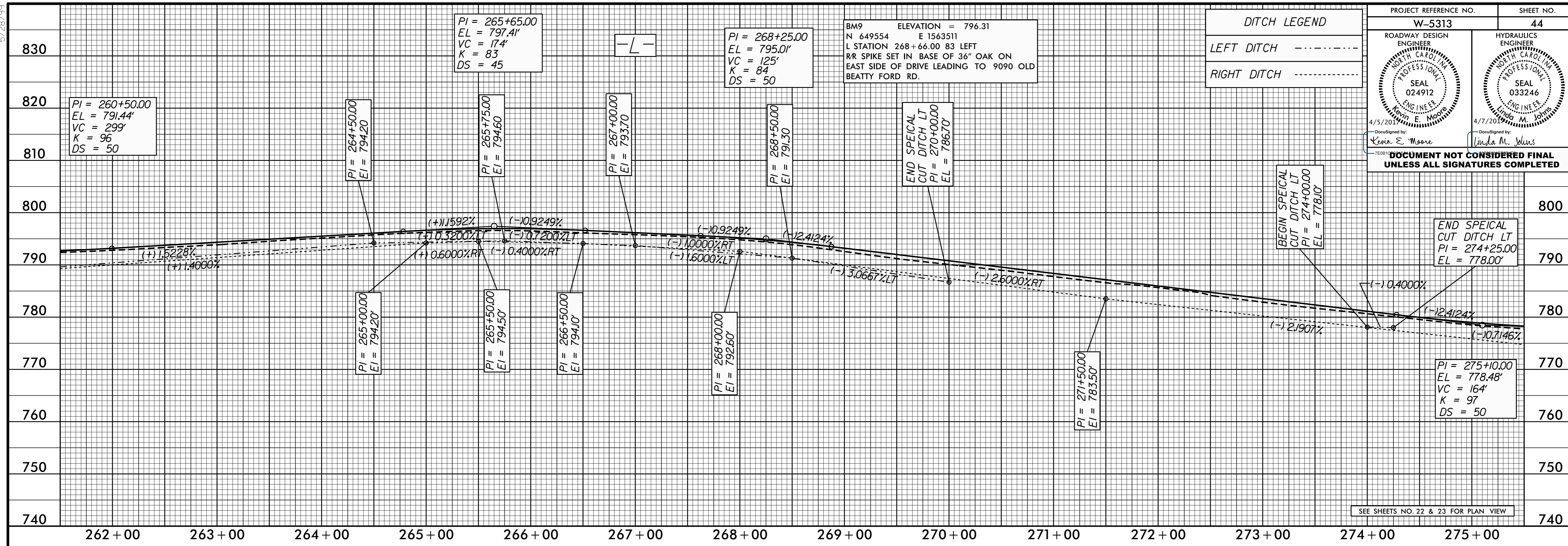
28-MAR-2017 14:27 W:\5313_Rdwy\pl.psh_43.dgn



SEE SHEETS NO. 21 & 22 FOR PLAN VIEW

5/28/99

PROJECT REFERENCE NO. W-5313	SHEET NO. 44
ROADWAY DESIGN ENGINEER SEAL 024912 Kevin E. Moore	HYDRAULICS ENGINEER SEAL 033246 Linda M. Johns
4/5/2017	4/7/2017
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	

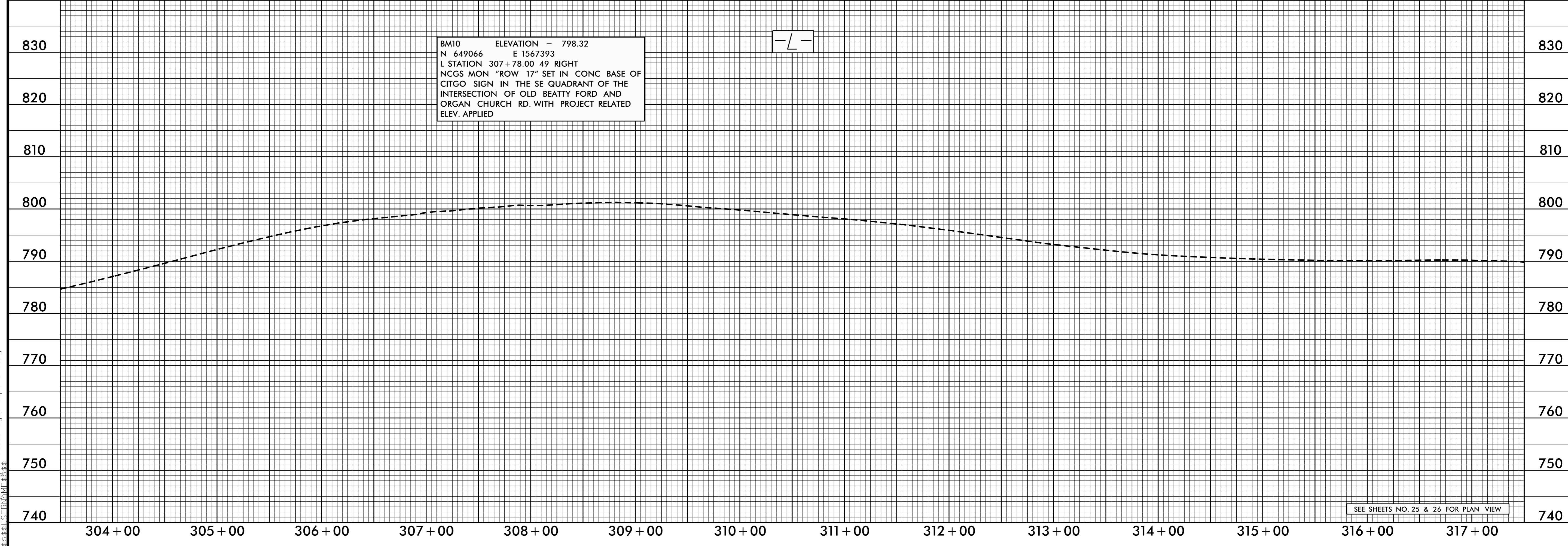
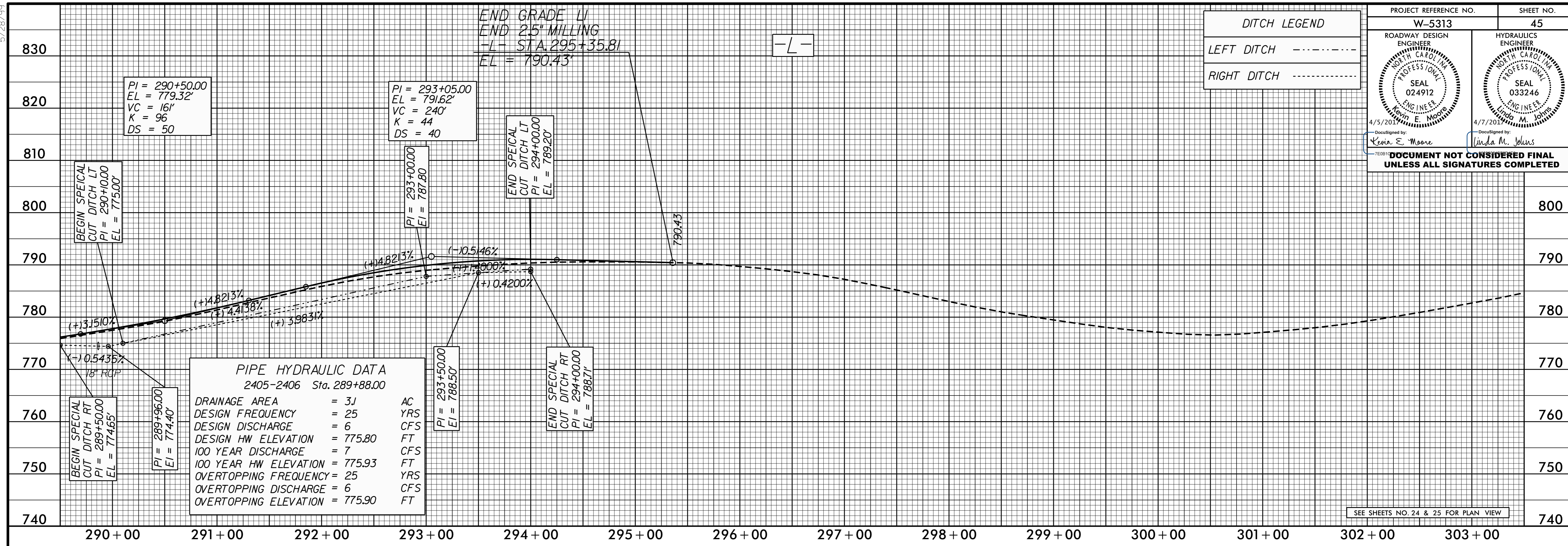


28-MAR-2017 14:27 W:\5313_Rd\p1.psh-44.dgn

5/28/99

PROJECT REFERENCE NO. W-5313	SHEET NO. 45
ROADWAY DESIGN ENGINEER SEAL 024912 4/5/2017 Kevin E. Moore	HYDRAULICS ENGINEER SEAL 033246 4/7/2017 Linda M. Johns
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

DITCH LEGEND
 LEFT DITCH - - - - -
 RIGHT DITCH - - - - -



28-MAR-2017 14:27 W-5313_Rdwy-pl.psh-45.dgn

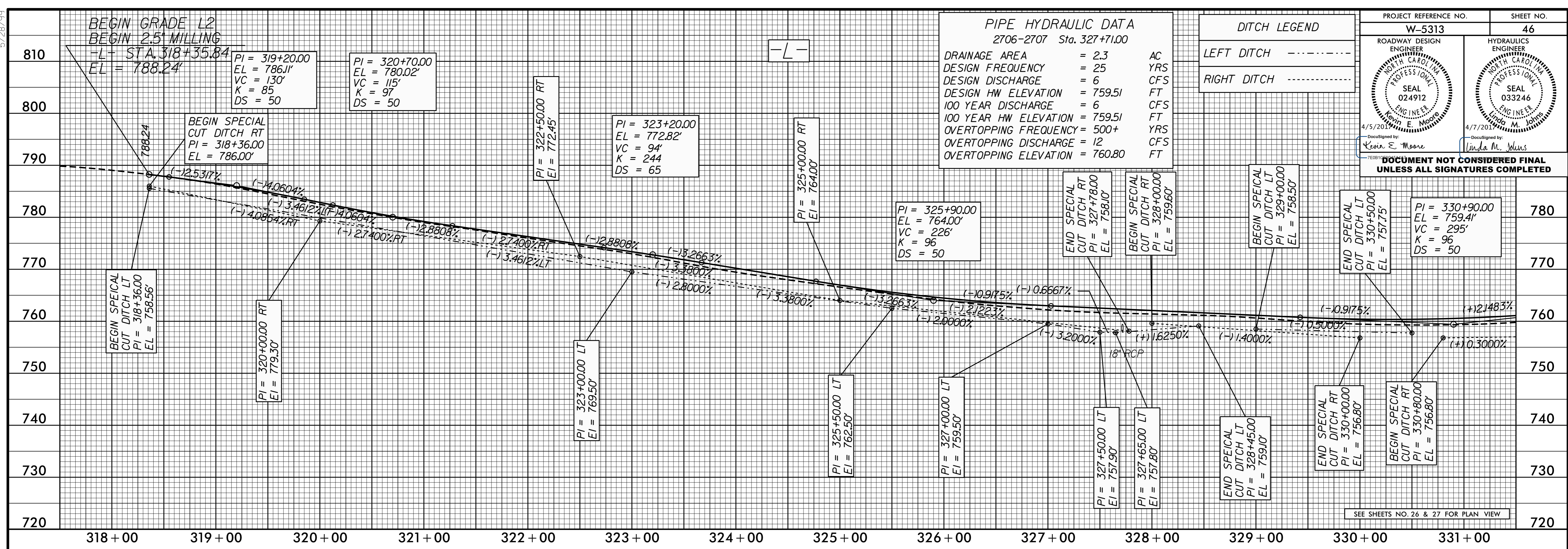
5/28/99

BEGIN GRADE L2
BEGIN 2.5' MILLING
-L- STA 318+35.84
EL = 788.24'

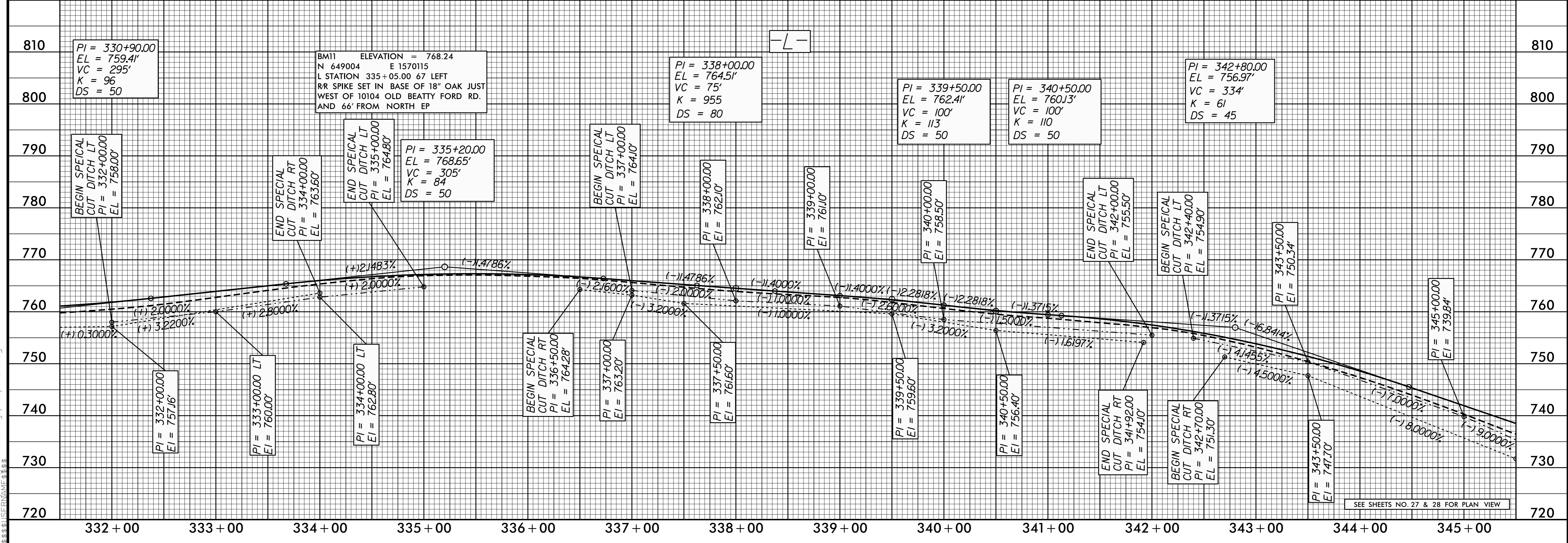
PIPE HYDRAULIC DATA		
2706-2707 Sta. 327+71.00		
DRAINAGE AREA	= 2.3	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 6	CFS
DESIGN HW ELEVATION	= 759.51	FT
100 YEAR DISCHARGE	= 6	CFS
100 YEAR HW ELEVATION	= 759.51	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 12	CFS
OVERTOPPING ELEVATION	= 760.80	FT

DITCH LEGEND	
LEFT DITCH	- - - - -
RIGHT DITCH	- - - - -

PROJECT REFERENCE NO. W-5313	SHEET NO. 46
ROADWAY DESIGN ENGINEER SEAL 024912 Karin E. Moore	HYDRAULICS ENGINEER SEAL 033246 Linda M. Johns
4/5/2017	4/7/2017
DESIGNED BY: Karin E. Moore CHECKED BY: Linda M. Johns	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



SEE SHEETS NO. 26 & 27 FOR PLAN VIEW

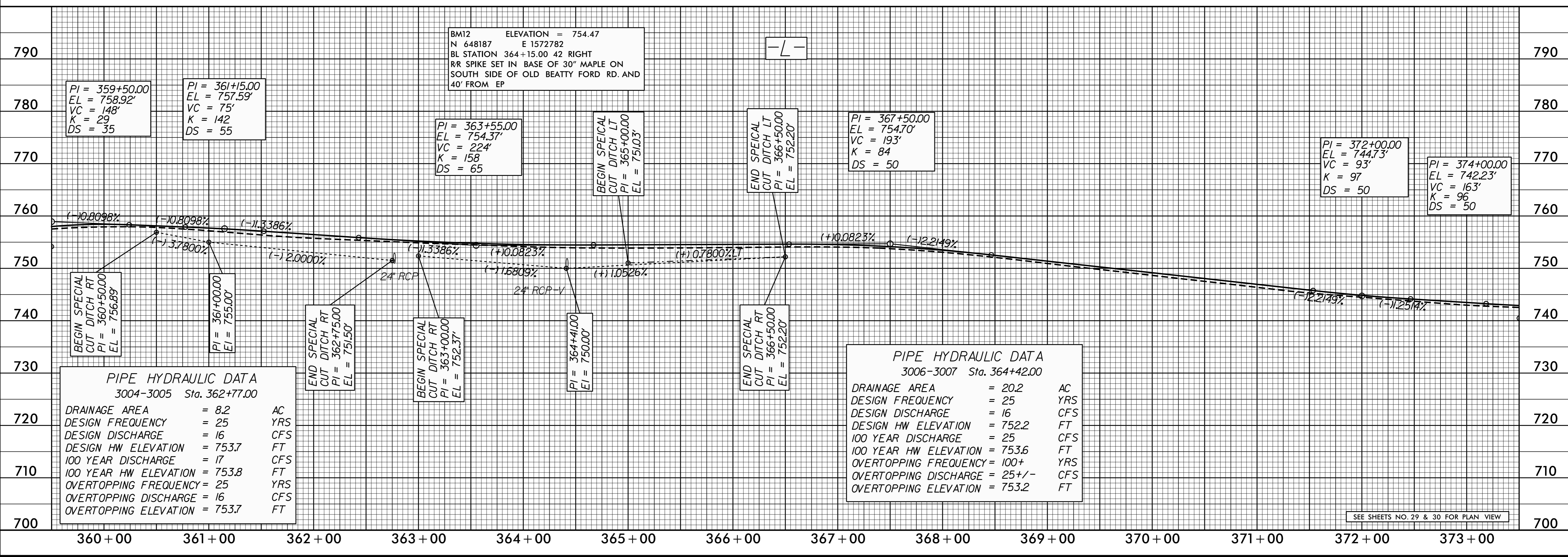
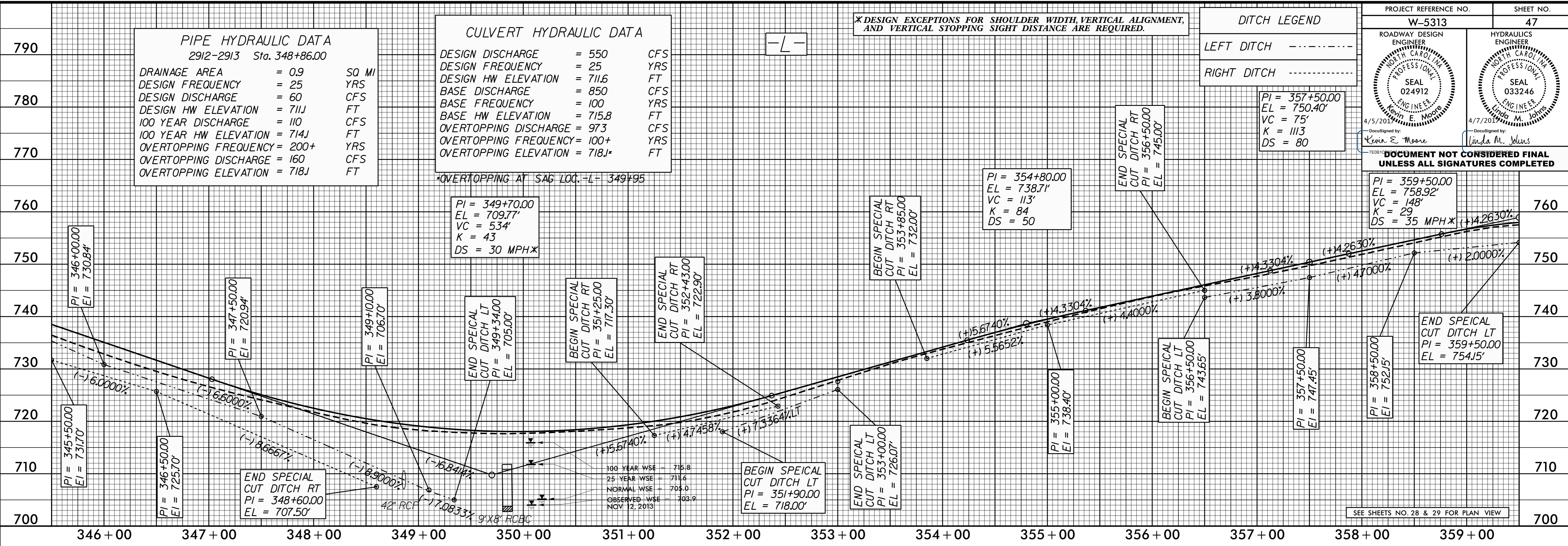


SEE SHEETS NO. 27 & 28 FOR PLAN VIEW

28-MAR-2017 14:27 W:\5313_Rdwy_pfl.psh-46.dgn

5/28/99

28-MAR-2017 14:27 W:\5313_Rdby\p1.psh-47.dgn



PROJECT REFERENCE NO. W-5313 SHEET NO. 47

ROADWAY DESIGN ENGINEER SEAL 024912
 KENNETH E. MOORE
 4/5/2013

HYDRAULICS ENGINEER SEAL 033246
 LINDA M. JOHNS
 4/7/2013

DocuSigned by: Kevin E. Moore
 DocuSigned by: Linda M. Johns

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PI = 359+50.00
 EL = 758.92'
 VC = 148'
 K = 29
 DS = 35 MPH X (+) 4.2630%

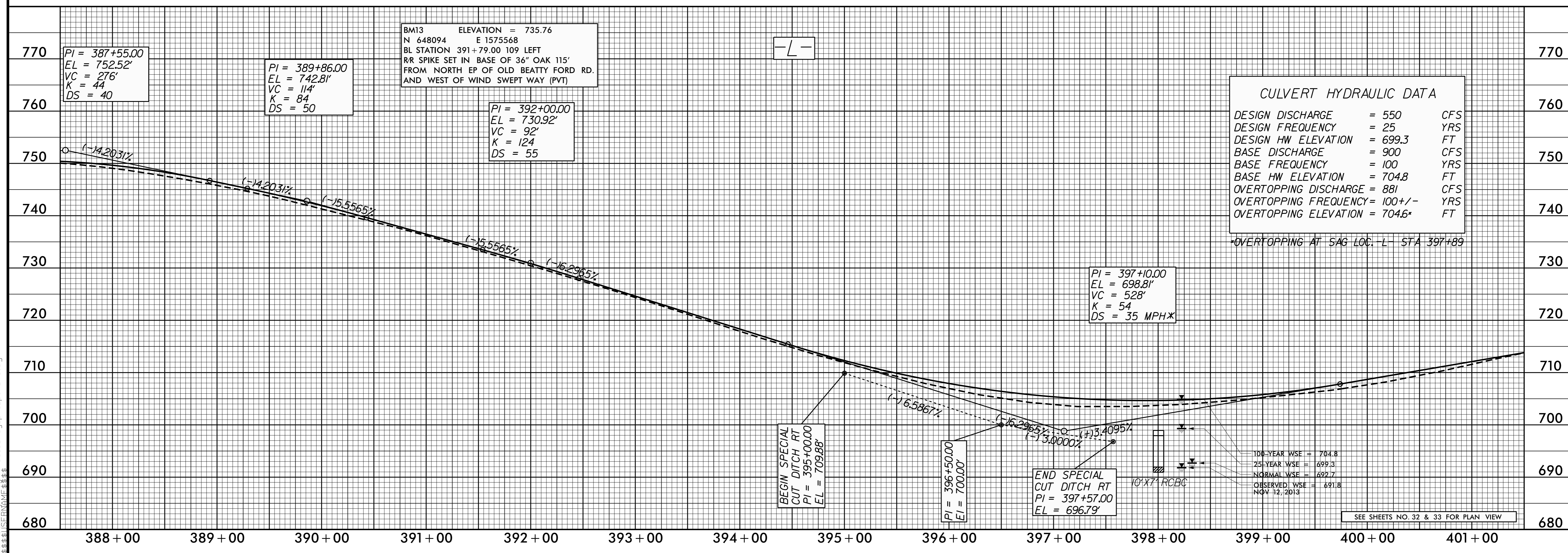
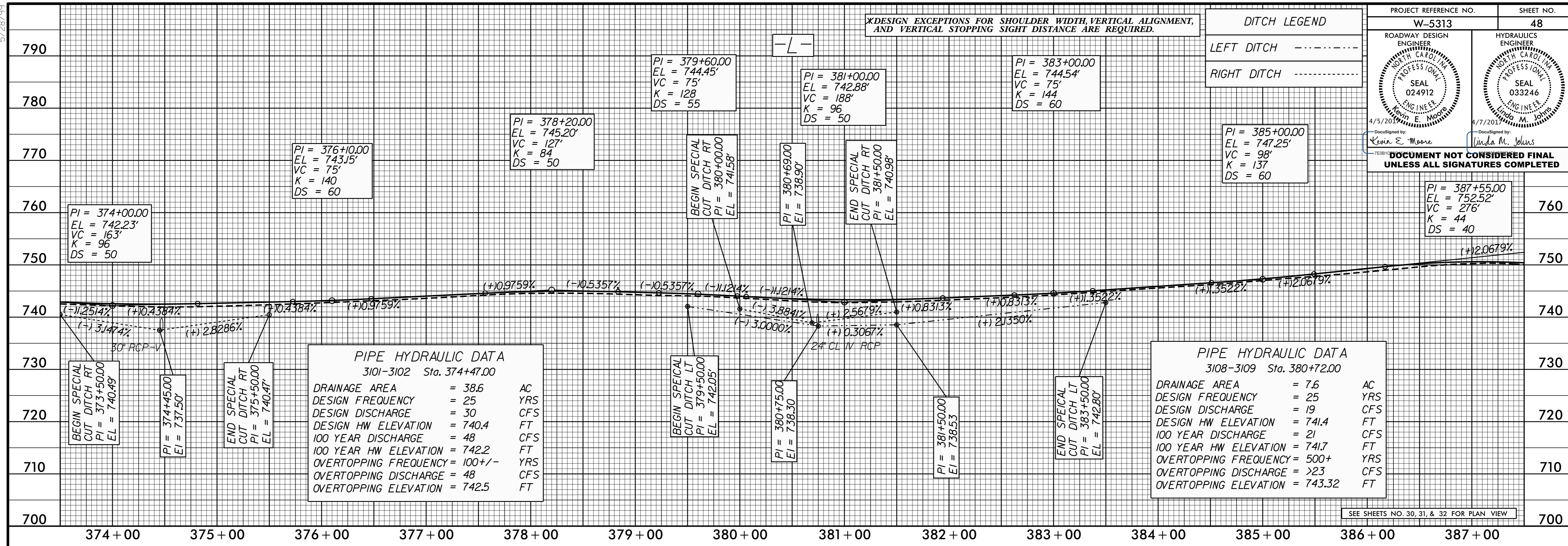
END SPECIAL CUT DITCH LT
 PI = 359+50.00
 EL = 754.15'

SEE SHEETS NO. 28 & 29 FOR PLAN VIEW

SEE SHEETS NO. 29 & 30 FOR PLAN VIEW

5/28/99

PROJECT REFERENCE NO. W-5313	SHEET NO. 48
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 024912 Kevin E. Moore 4/5/2013	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 033246 Linda M. Johns 4/7/2013
<p>DocuSigned by: Kevin E. Moore</p> <p>DocuSigned by: Linda M. Johns</p> <p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	



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5/28/99

PROJECT REFERENCE NO. W-5313	SHEET NO. 49
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 024912 Kevin E. Moore	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 033246 Linda M. Johns
4/5/2017 DocuSigned by: Kevin E. Moore	4/7/2017 DocuSigned by: Linda M. Johns

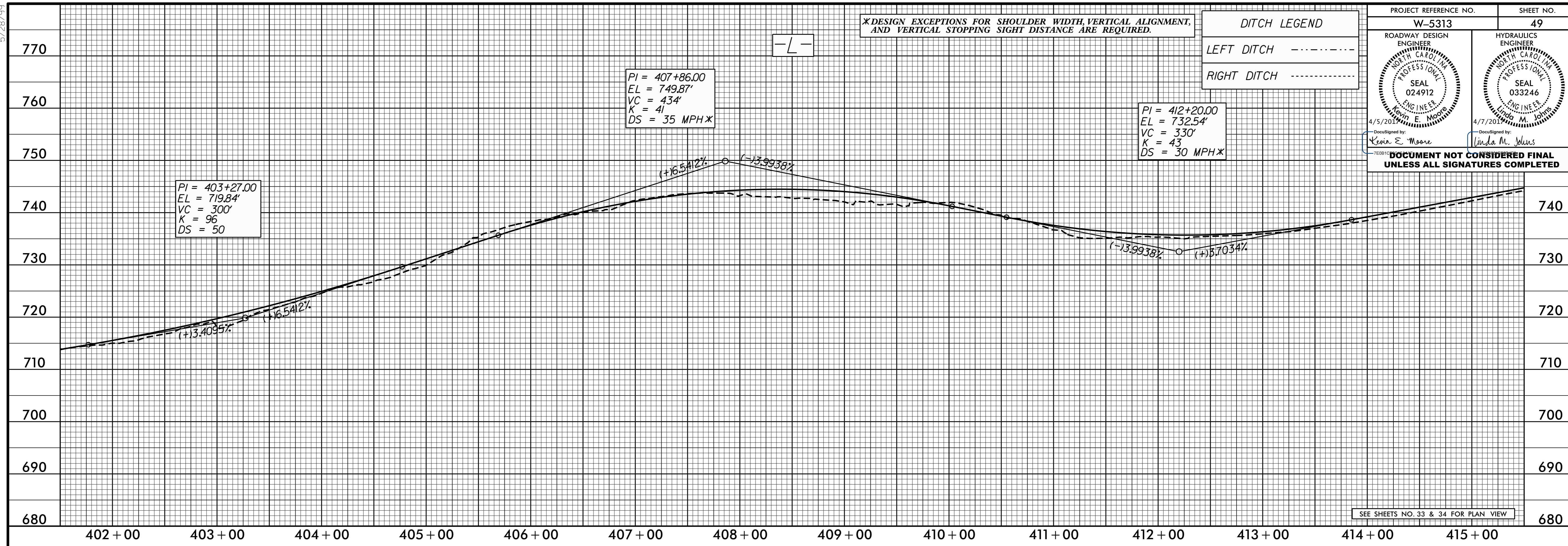
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

*DESIGN EXCEPTIONS FOR SHOULDER WIDTH, VERTICAL ALIGNMENT, AND VERTICAL STOPPING SIGHT DISTANCE ARE REQUIRED.

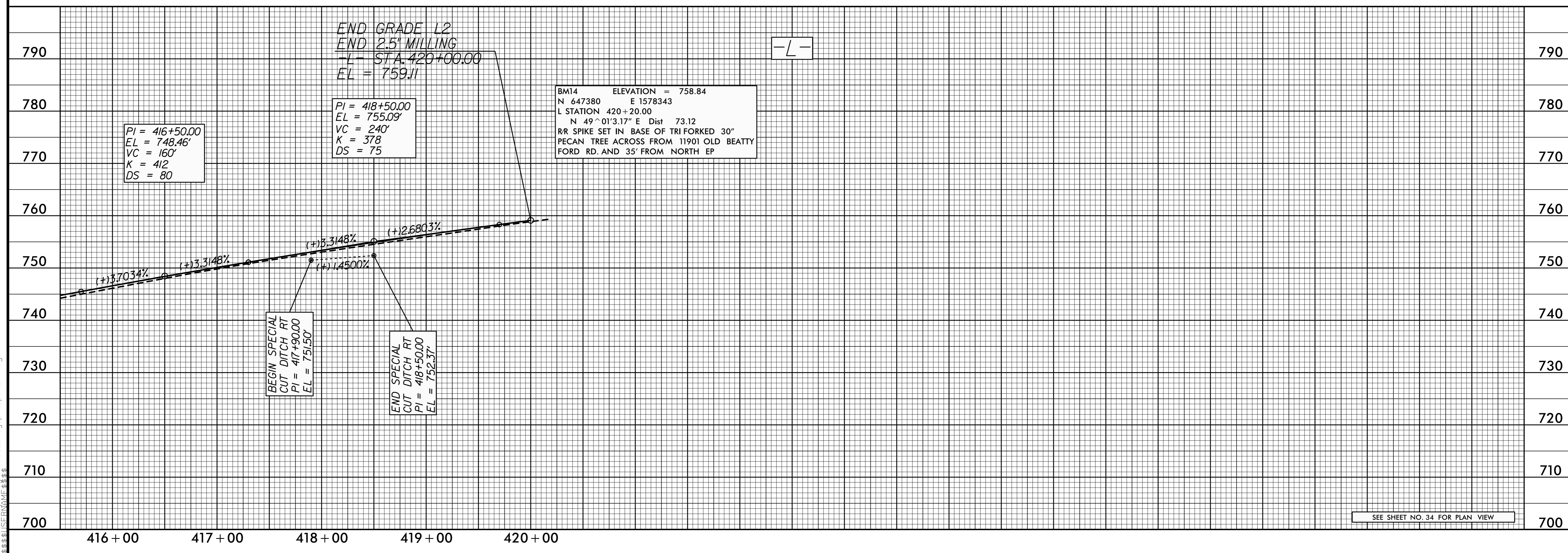
DITCH LEGEND

LEFT DITCH - - - - -

RIGHT DITCH - - - - -



SEE SHEETS NO. 33 & 34 FOR PLAN VIEW



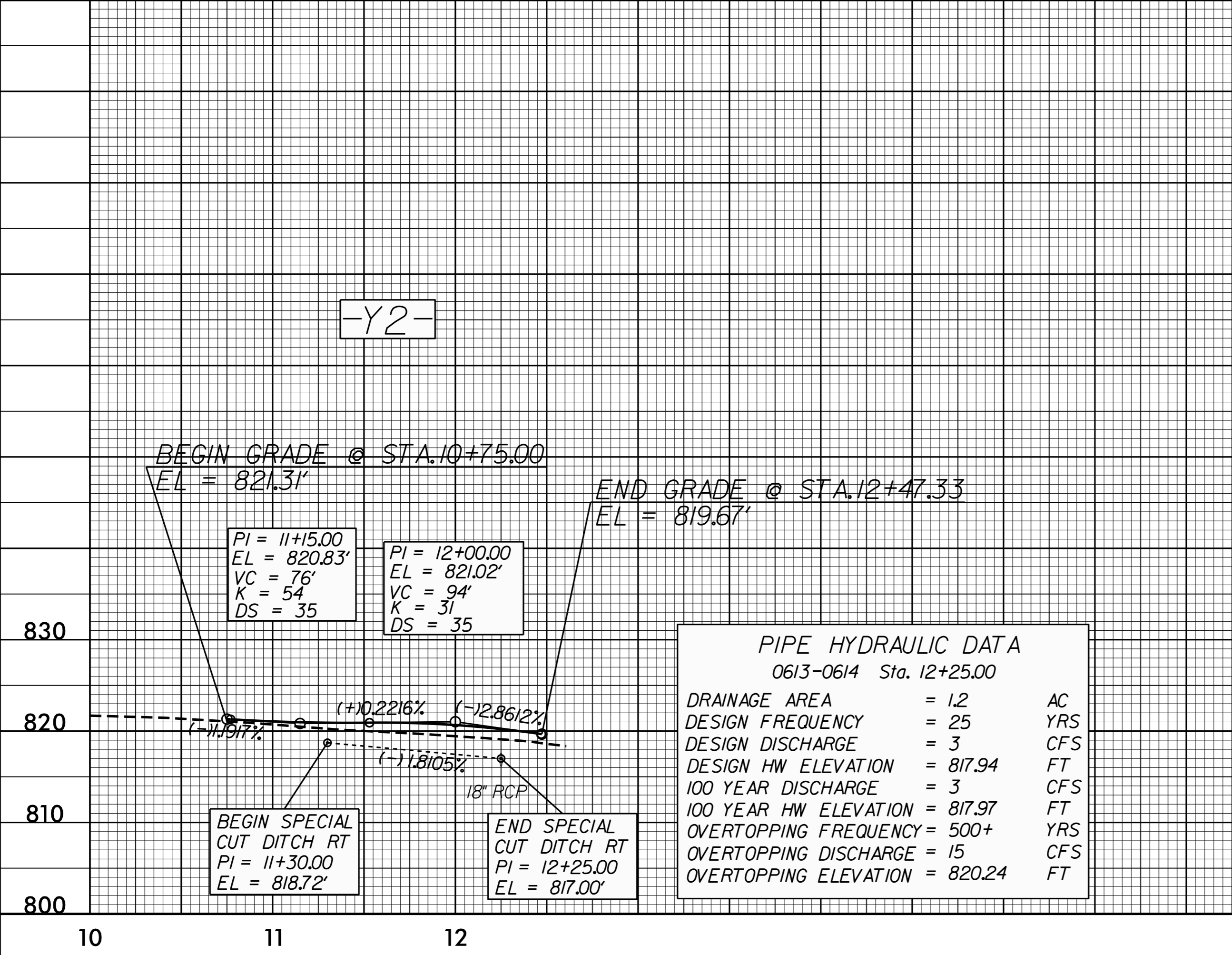
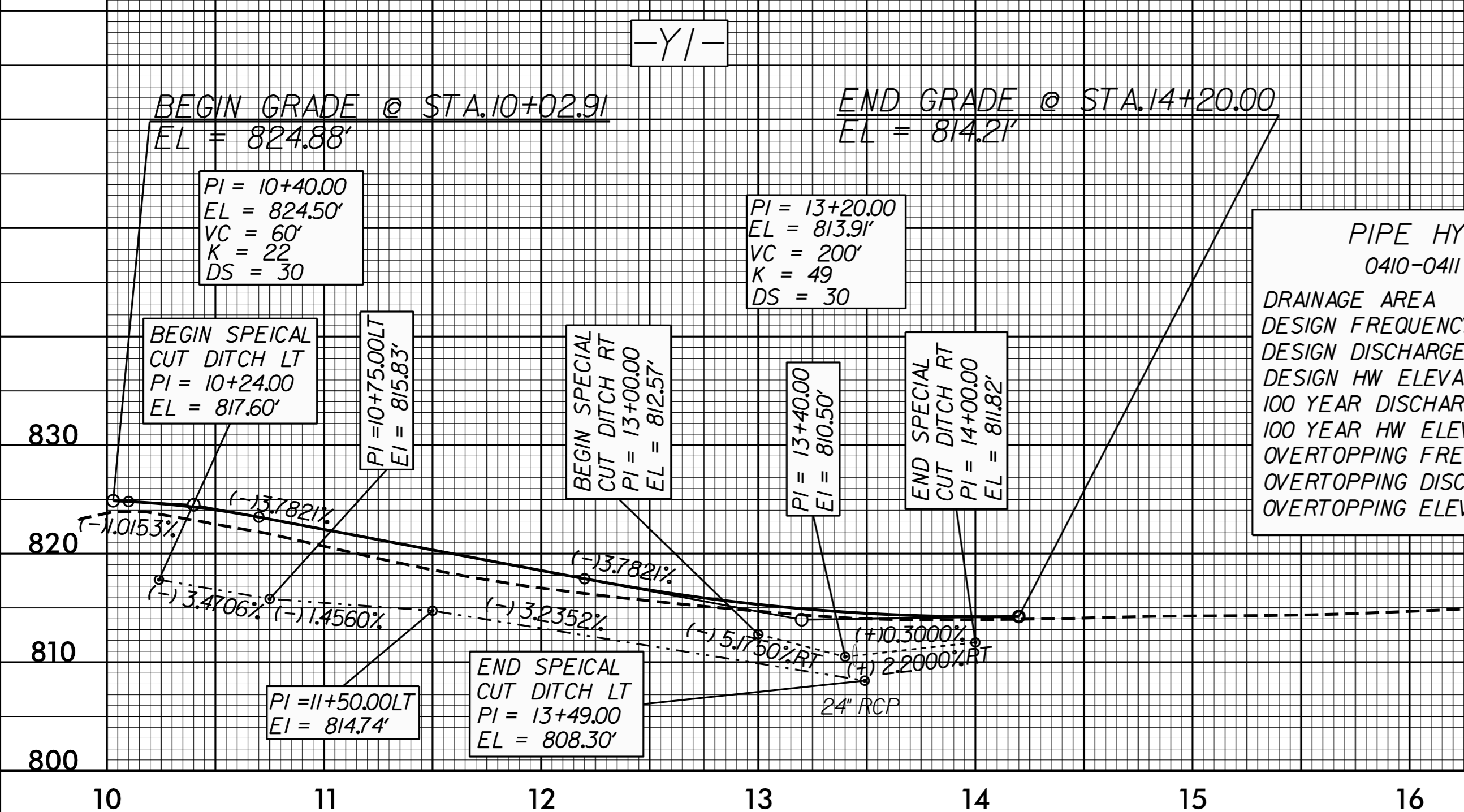
SEE SHEET NO. 34 FOR PLAN VIEW

28-MAR-2017 14:27 W:\5313_Rd\pfl.psh-49.dgn

5/28/99

PROJECT REFERENCE NO. W-5313	SHEET NO. 50
ROADWAY DESIGN ENGINEER KEVIN E. MOORE SEAL 024912 4/5/2011	HYDRAULICS ENGINEER LINDA M. JOHNS SEAL 033246 4/7/2011
<p>DocuSigned by: Kevin E. Moore</p> <p>DocuSigned by: Linda M. Johns</p> <p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	

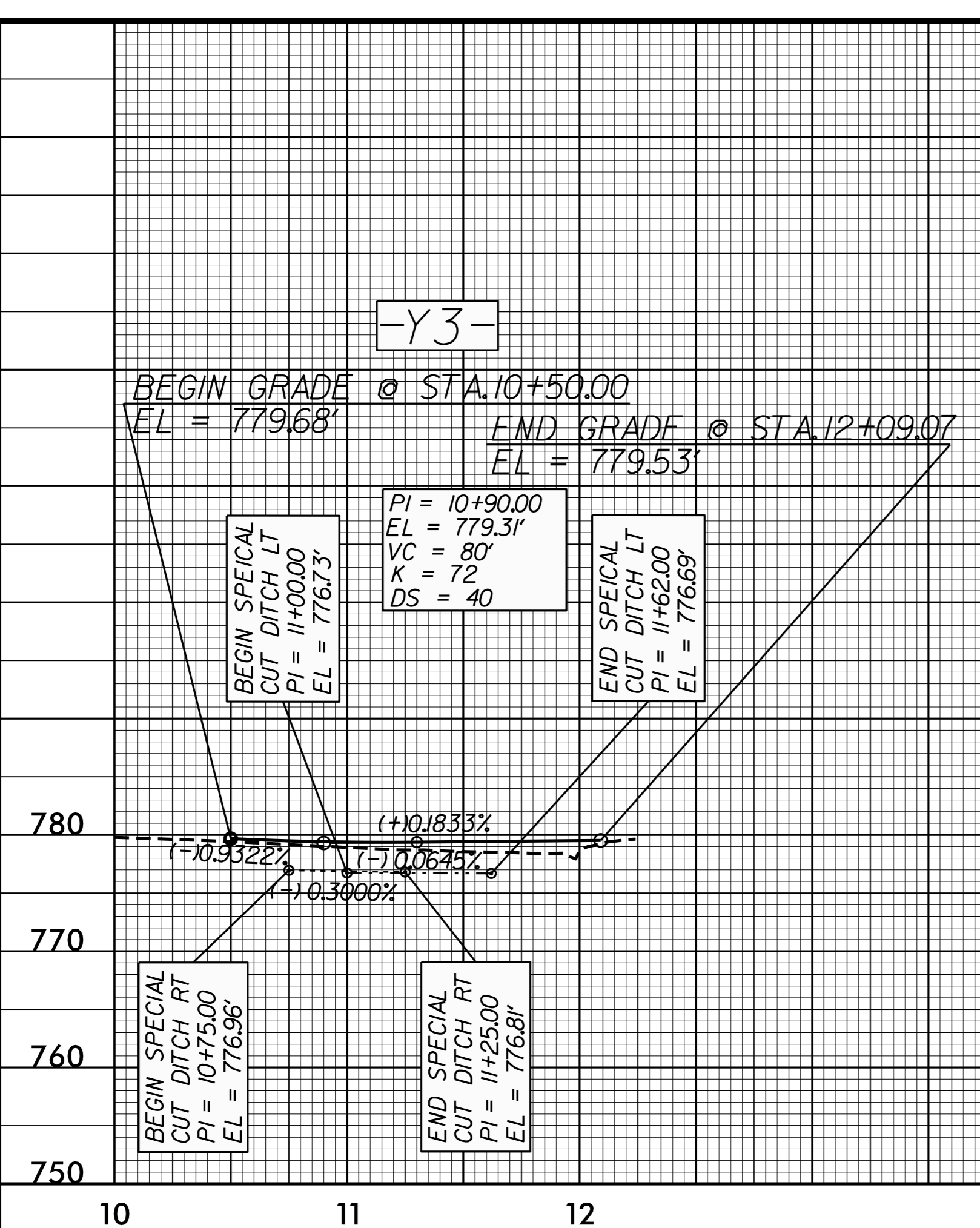
DITCH LEGEND
 LEFT DITCH - - - - -
 RIGHT DITCH - - - - -



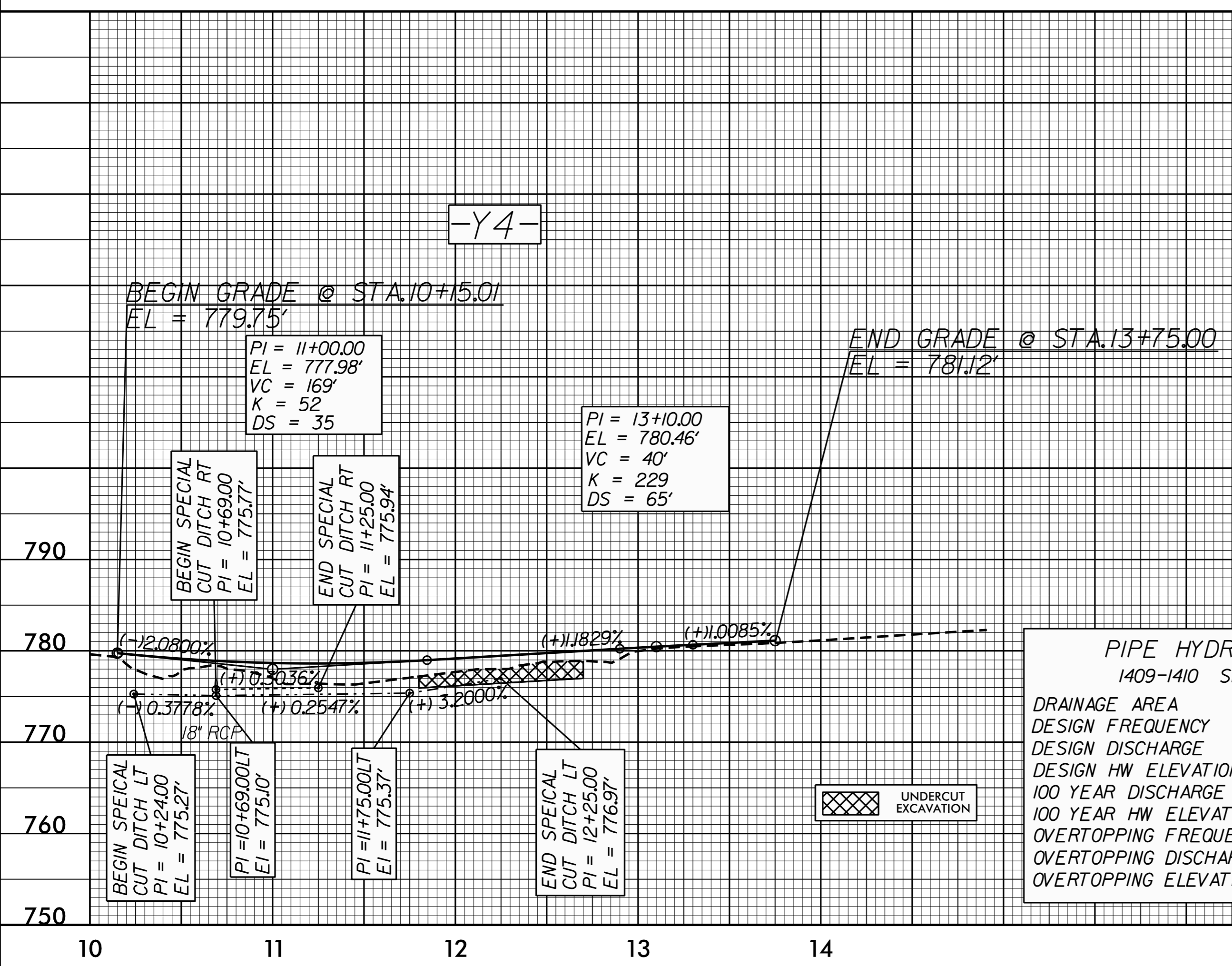
REVISIONS

28-MAR-2017 14:26 W:\5313_Rdwy-pf1_Y1_Y2.psh_50.dgn

DITCH LEGEND
 LEFT DITCH - - - - -
 RIGHT DITCH - - - - -



SEE SHEET NO. 14 FOR PLAN VIEW



SEE SHEET NO. 14 FOR PLAN VIEW

5/28/99

REVISIONS

28-MAR-2017 14:26 W:\5313_Rd\p1.Y3_Y4_psh_51.dgn
 4:58:50 PERS\M\K\ME

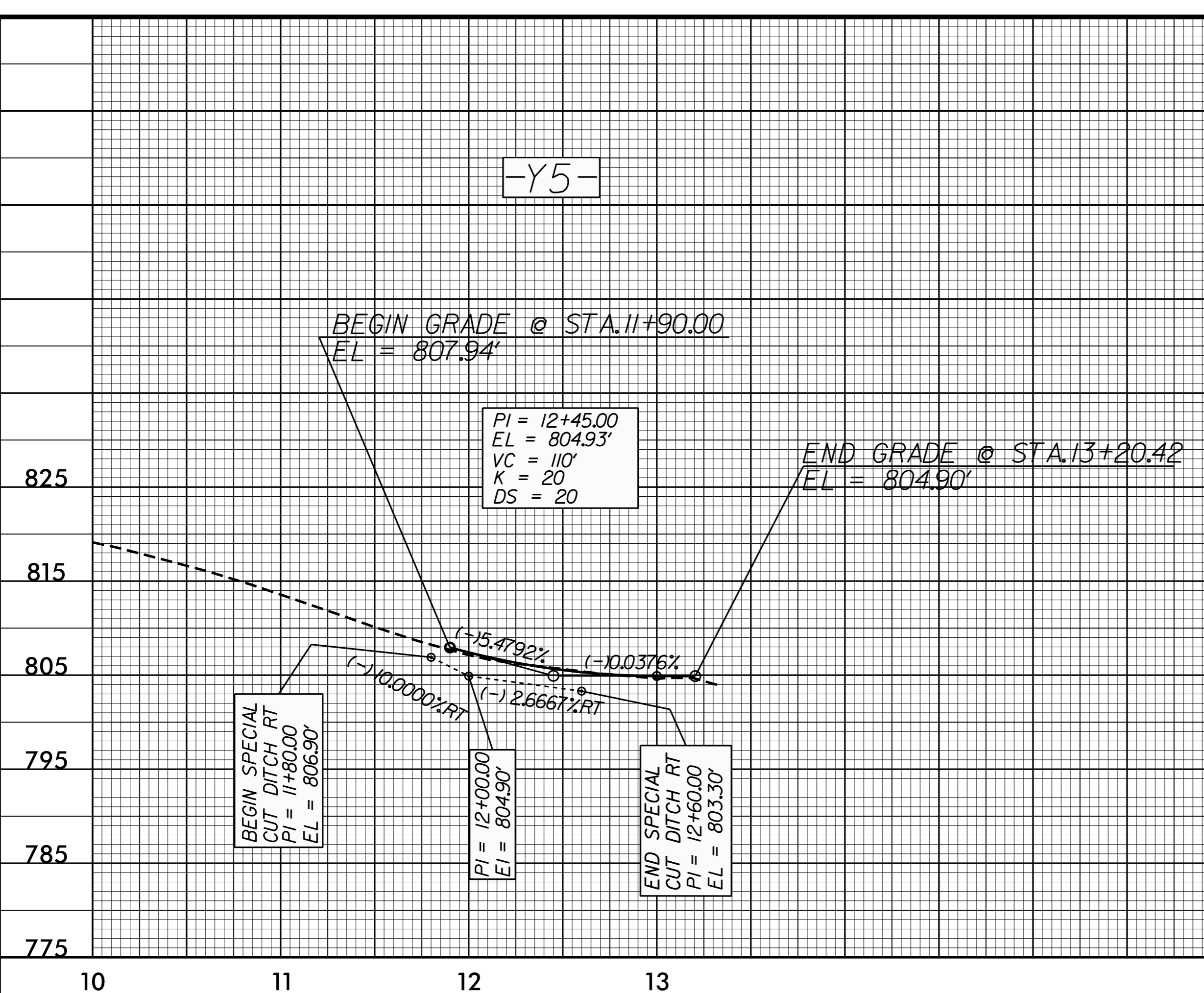
5/28/99

PROJECT REFERENCE NO. W-5313	SHEET NO. 52
ROADWAY DESIGN ENGINEER SEAL 024912 Kevin E. Moore	HYDRAULICS ENGINEER SEAL 033246 Linda M. Johns
4/5/2017 Designed by Kevin E. Moore	4/7/2017 Designed by Linda M. Johns

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

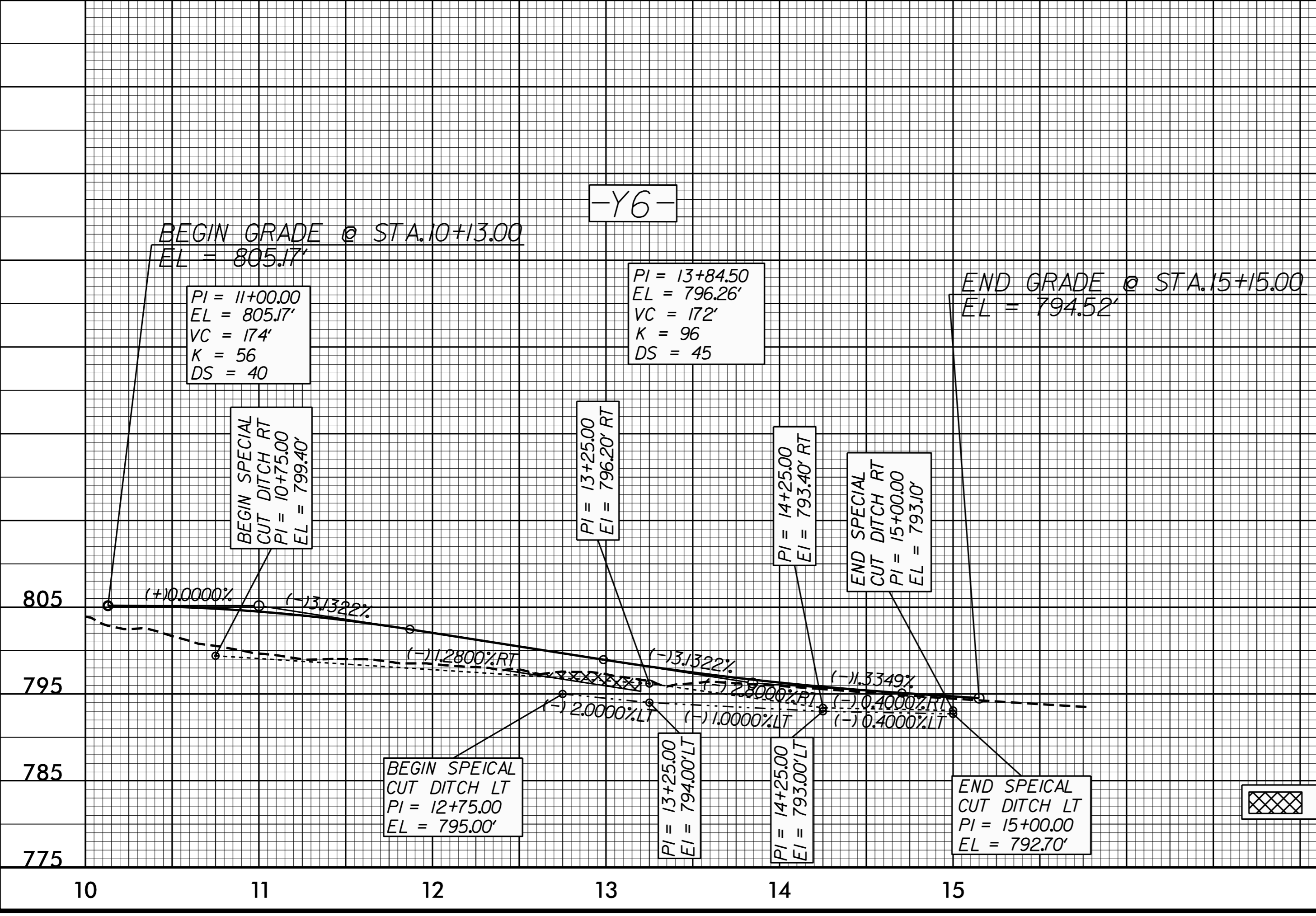
DITCH LEGEND
 LEFT DITCH - - - - -
 RIGHT DITCH - - - - -

-Y5-



SEE SHEET NO. 20 FOR PLAN VIEW

-Y6-



UNDERCUT EXCAVATION

SEE SHEET NO. 20 FOR PLAN VIEW

REVISIONS

28-MAR-2017 14:26 W:\5313_Rd\pfl_Y6_Y6.psh_52.dgn

5/28/99

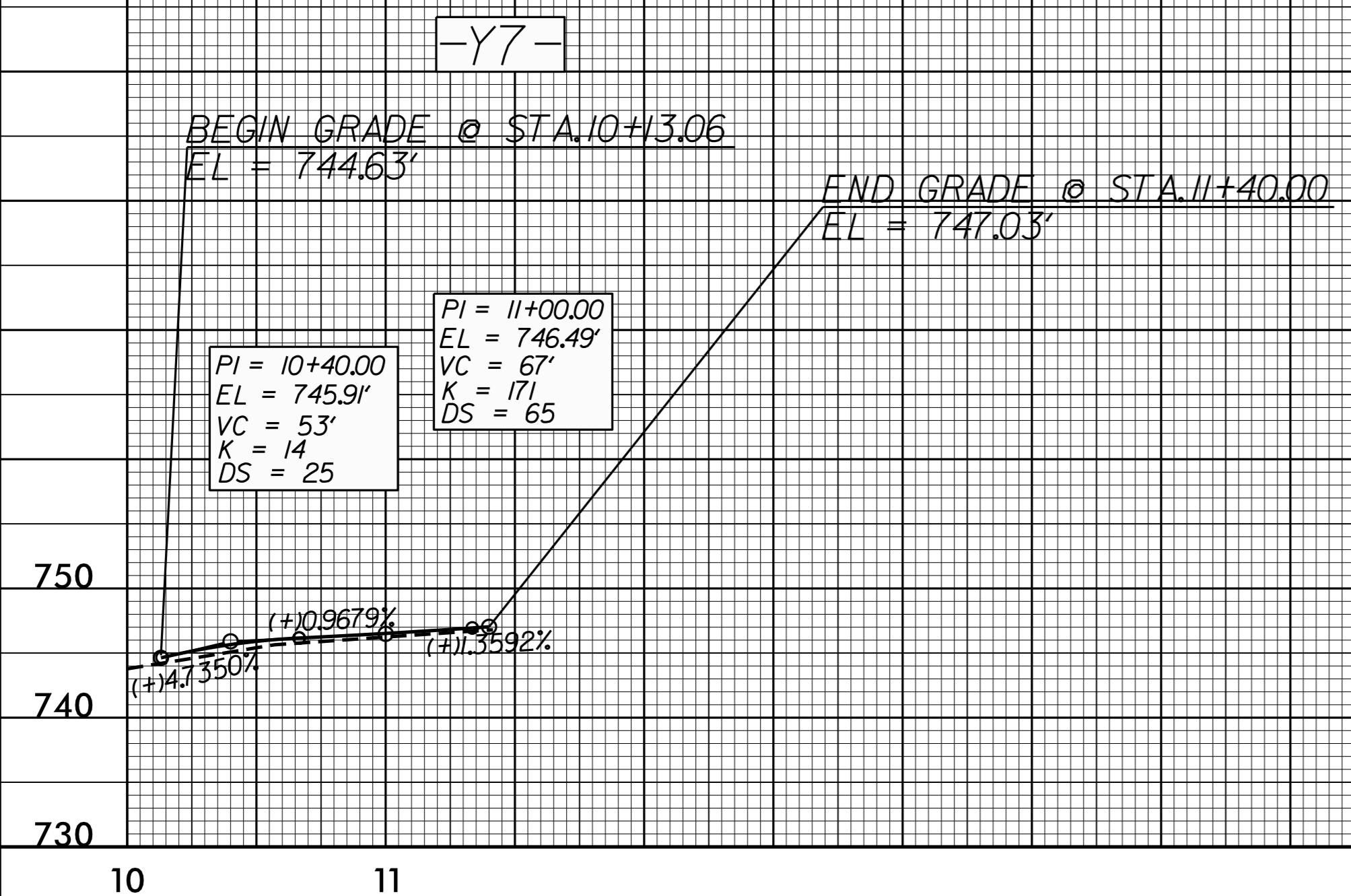
PROJECT REFERENCE NO. W-5313	SHEET NO. 53
ROADWAY DESIGN ENGINEER SEAL 024912 Kevin E. Moore	HYDRAULICS ENGINEER SEAL 033246 Linda M. Johns
4/5/2017 DocuSigned by: Kevin E. Moore	4/7/2017 DocuSigned by: Linda M. Johns

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

DITCH LEGEND

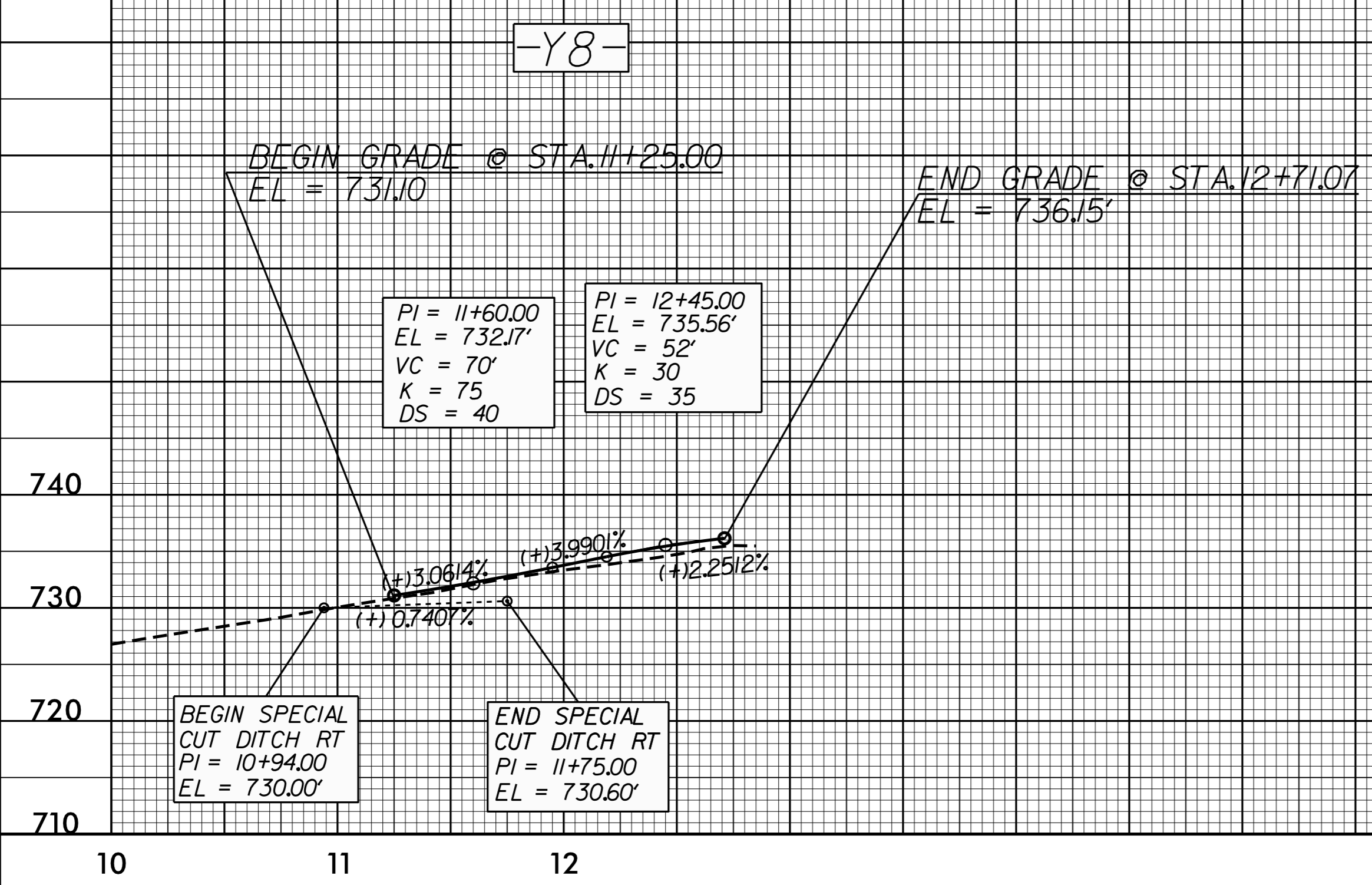
LEFT DITCH - - - - -

RIGHT DITCH - - - - -



SEE SHEET NO. 33 FOR PLAN VIEW

REVISIONS



SEE SHEET NO. 34 FOR PLAN VIEW

28-MAR-2017 14:26 W:\5313_Rd\p1_Y7_Y8_psh_53.dgn