

JSTANOVICH

COMPUTED BY:

Jake Stanovich

DATE:

04/28/2021

CHECKED BY:

Will Hines, PE

DATE:

04/28/2021

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)

LINE & STATION	OFFSET			STRUCTURE NUMBER		TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	MINIMUM REQUIRED SLOPE	Side Drain Pipe (RCP, CSP, CAAP, HDPE, or PVC)								R. C. PIPE CLASS III								R. C. PIPE CLASS IV								R. C. PIPE CLASS V								QUANTITIES FOR SEALED DRAINAGE STRUCTURES				CY	QUANTITIES FOR DRAINAGE STRUCTURES				FRAME, GRATES, AND HOOD			CONCRETE TRANSITIONAL SECTION			CY	FLOWABLE FILL	CY	CONCRETE COLLARS CL. "B" STD. 840.72	PIPE REMOVAL	ABBREVIATIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
										12	15	18	24	30	42	48	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	DO NOT USE PVC	12	15	18	24	30	36	42	48	12	15	18	24	30	36	42	48	12	15	18	24	42	48	0' THRU 5'	5' THRU 10'		10' & ABOVE	A	B	0' THRU 5'												5' THRU 10'	10' AND ABOVE	A	B	E	F	G	D.I. STD. 852.04 OR STD. 852.06	C.B. STD. 852.05	OPEN THROAT C.B. STD. 840.04 OR STD. 840.05	D.I. STD. 840.14 OR STD. 840.15	D.I. FRAME AND GRATES STD. 840.16	G.D.I. TYPE "A" STD. 840.17 OR STD. 840.26	G.D.I. TYPE "B" STD. 840.18 OR STD. 840.27	G.D.I. TYPE "D" STD. 840.19 OR STD. 840.28	G.D.I. (W.S. FLAT) FRAME W/ 2 GRATES STD. 840.20	G.D.I. (W.S. SAG) FRAME W/ 2 GRATES STD. 840.22	G.D.I. (N.S. SAG) FRAME W/ GRATE STD. 840.24	G.D.I. (N.S. SAG) FRAME W/ 2 GRATES STD. 840.24	G.D.I. (N.S. FLAT) FRAME W/ 2 GRATES STD. 840.29	J.B. STD. 840.31 OR STD. 840.32	T.B.U.B. STD. 840.34	T.B.D.I. STD. 840.35	STEEL FRAME WITH TWO GRATES STD. 840.37	M.H. FRAME AND COVER STD. 840.54	15" C.S. ELBOW	CY	QY	LIN. FT.	C.A.A.	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	REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
SR15 40+31	34	RT	2733									28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

COMPUTED BY: S. Mitchell DATE: 3/15/2021
CHECKED BY: K. Hill DATE: 3/15/2021

(5-15-18)

PROJECT NO. I-5878
SHEET NO. 3G-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SUMMARY OF SUBSURFACE DRAINAGE

LINE	Station	Station	Location LT/RT/CL	Drain Type* UD/BD/SD	LF
L	956+25	972+25	LT/RT	SD	6400
L	974+00	986+75	LT/RT	SD	5100
L	1022+50	1037+50	LT/RT	SD	6000
L	1046+00	1057+00	LT/RT	SD	4400
Y15	41+00	42+00	LT/RT	SD	200
NBCD	33+00	40+00	LT/RT	SD	1400
SBCD	17+00	20+00	LT/RT	SD	1000
SR9A	12+00	18+00	LT/RT	SD	1200
SR11	21+50	36+00	LT/RT	SD	3000
SR12	10+14	15+25	LT/RT	SD	1050
SR13	18+00	24+14	LT/RT	SD	1250
CONTINGENCY					3000
				TOTAL LF:	34000

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

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
L	946+00	1063+00	ASU	12	33800	61500	101300		
Y14RPB	12+74	14+72	ASU	12	200	350	550		
Y14	34+75	38+75	ASU	12	50	500	850		
Y15	21+75	25+75	ASU	12	250	400	700		
Y15RPA	10+00	17+25	ASU	12	800	1550	2600		
Y15RPD	10+00	14+49	ASU	12	300	700	1100		
CONTINGENCY					3500	6600	9000		
			TOTAL CY/TONS/SY:		38900	71600**	116100**	0	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.

COMPUTED BY: S. Mitchell DATE: 10/31/2019
CHECKED BY: K. Hill DATE: 10/31/2019

(5-15-18)

PROJECT NO.
I-5883

SHEET NO.
3G-2

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

SUMMARY OF SUBSURFACE DRAINAGE

LINE	Station	Station	Location LT/RT/CL	Drain Type* UD/BD/SD	LF
L	1072+20	1082+60	LT	SD	2100
L	1086+87	1091+36	LT	SD	900
L	1102+89	1124+62	LT	SD	4300
L	1184+11	1193+66	LT	SD	1600
L	1209+12	1210+33	LT	SD	200
L	1076+05	1086+04	RT	SD	2000
L	1102+17	1126+57	RT	SD	4900
L	1134+83	1135+75	RT	SD	200
L	1185+69	1186+62	RT	SD	200
L	1191+24	1193+46	RT	SD	400
SR16	22+40	26+68	LT/RT	SD	900
SR16	39+46	46+84	LT/RT	SD	1500
SR17	33+40	38+00	LT/RT	SD	900
CONTINGENCY					6500
				TOTAL LF:	26600

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

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
L	1063+00	1232+00	ASU	12	99000	156000	256700		
Y16	11+25	14+75	ASU	12	100	200	300		
Y17	13+50	17+25	ASU	12	100	100	200		
Y17	37+75	40+50	ASU	12	100	200	300		
	CONTINGENCY				9000	16000	9000		
			TOTAL CY/TONS/SY:		108300	172500**	266500**	0	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.**

COMPUTED BY: S. Mitchell DATE: 5/26/2020
CHECKED BY: K. Hill DATE: 5/26/2020

(5-15-18)

PROJECT NO.	SHEET NO.
I-5986B	3G-3

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

SUMMARY OF AGGREGATE SUBGRADE/STABILIZATION

SUMMARY OF SUBSURFACE DRAINAGE

LINE	Station	Station	Location LT/RT/CL	Drain Type* UD/BD/SD	LF
L	1274+60	1277+94	LT	SD	700
L	1377+65	1387+11	LT	SD	1900
L	1275+10	1280+21	RT	SD	1000
L	1331+52	1333+61	RT	SD	400
L	1368+99	1380+27	RT	SD	2300
L	1381+47	1384+53	RT	SD	600
Y18RPC	10+00	16+53	LT/RT	SD	1300
Y19RPCA	10+00	18+35	LT/RT	SD	1700
Y29A	13+10	22+33	LT/RT	SD	1850
Y29A	30+00	39+88	LT/RT	SD	2000
CONTINGENCY					1500
				TOTAL LF:	15250

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

LINE	Station	Station	Aggregate Type*	Aggregate Thickness	Shallow Undercut CY	Class IV Subgrade	Geotextile for Soil	Stabilizer Aggregate	Class IV Aggregate
L	1232+00	1258+75	ASU	12	9550	16600	27300		
L	1261+75	1390+25	ASU	12	41850	70100	115400		
L	1392+00	1410+00	ASU	12	6350	10300	16950		
Y19RPB	25+81	27+80	ASU	12	100	250	400		
SR17	57+03	60+03	ASU	12	350	600	1000		
SR19	12+00	16+22	ASU	12	300	500	1100		
SR19	16+72	23+24	ASU	12	500	900	1800		
CONTINGENCY					6000	12000	18000		
			TOTAL CY/TONS/SY:		65000	111250**	181950**	0	0

*AST = Aggregate Stabilization

SUMMARY OF SETTLEMENT GAUGES

Gauge No.	LINE and Station	Offset	
		Distance FT	Direction LT/RT
1	-L- 1254+25	78	LT
2	-L- 1255+75	78	LT
3	-Y33- 35+60	0	CL
4	-Y33- 36+20	0	CL
TOTAL GAUGES (EACH):			4

SUMMARY OF EMBANKMENT WAITING PERIODS

LINE	Station	Station	MONTHS
L	1253+50	1256+50	1 Mo Stage 1
L	1253+50	1256+50	1 Mo Stage 2
Y33	32+65	38+37	1 Month

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
PARCEL INDEX SHEET

PROJ. REFERENCE NO.	SHEET NO.
I-5878	3P-1

PARCEL No.	SHEET No.	PROPERTY OWNER NAME
45	16	JAMES E. WILSON, JR.
46	16	BROADSTONE IT PORTFOLIO, LLC
47	16, 17, 55	SIDNEY R. DORMAN
48	17, 55	SIDNEY R. DORMAN
49	17, 54	JESSIE ANNA WALKER
49A	17	JESSIE ANNA WALKER
49B	17, 54	JESSIE ANNA WALKER
49C	17	JOHN ALLEN WALKER
50	17	MUNISHREE LLC
51	17	NEW DUNN HOTEL LLC
52	17	FLAGSTONE PROPERTIES, LLC
902	17	BILLY TART
904	17	NCDOT "GRAVES RELOCATED"
53	17, 18	DUNN HOSPITALITY VENTURES
54	18	2ND BAPTIST CHURCH OF DUNN
55	18	CIRCLE ENTERPRISES
56	18, 19	NEELAY, LLC
57	19, 56	PREMIER HOSPITALITY, LLC
58	19	DYLAN HOTEL, LLC
59	19, 20	EARL W. JONES
60	20 ,21	STONEY RUN PROPERTIES, LLC.
61	16	ROBERT F. DIXON
62	16	BOBBY S. JERNIGAN
63	16	CARL E. FITCHETT, JR.
64	16	BOBBY S. JERNIGAN
65	16, 17, 54	RAWLINGS NOVELLA POPE
66	16	LISA B. FITCHETT
67	17, 54	DISHA HOSPITALITY, LLC
68	17, 18	DEMAI PROPERTIES II, LLC
69	18	CASPER ROAD, LLC
70	18, 19, 57	JESSIE CASPER, LLC
903	19, 57	JS INVESTMENT HOLDINGS, LLC
71	19, 57	SUSAN E. TART, INC
71A	57	SUSAN E. TART, INC
72	19	BEN G. BEST
73	19	JASON CARPENTER RENTALS, LLC
74	19	NEW JERUSALEM BIBLE CHURCH OF GOD
75	19, 20	CAROLINA POWER & LIGHT
76	19	MARK J. WILKINS
77	19, 20	EARL W. JONES
78	17	I-MART, LLC
79	17	MARY E. RATLIFF
80	17	ONH PROPERTIES, LLC
81	54	DUNN COMMERCE PARK, LLC
82	54	WINCOR PROPERTIES, LLC
83	54	RANDY B. EMANUEL, SR
84	54	KAM LEASING, LLC
85	54	KILVET A. CABRERA
86	56	MACK D. POPE
87	56	MACK D. POPE
88	56	HADDOCK FAMILY PROPERTIES
89	56	ANNIE MAE TART
90	56	DAHIR PROPERTIES, LLC
91	56	FIDELITY BANK
92	56	CIRCLE ENTERPRISES, LLC
93	19, 56, 56A	CIRCLE ENTERPRISES
94	57	GRANVILLE TILGHMAN
94A	57	GRANVILLE TILGHMAN

PARCEL No.	SHEET No.	PROPERTY OWNER NAME
94B	57	GRANVILLE TILGHMAN
95	57	BILLY TART
97	55	WHOLE ARMOR MINISTRIES, INC
98	19, 58	LINDA G. BLACKMAN
99	21, 22	CHARLES R. LUCAS
176A	16	MILLARD JACKSON
200	17	BARBARA B. PROPERTIES LLC
201	22	MARY ANGELA CARR FUSCO
202	22, 23	MICHAEL AND GINA KELLY
203	20, 21	ROPESTAR EVENTS, LLC
203A	20	FMO REAL ESTATE, LLC
204	21, 22, 23	ROOMS TO GO DISTRIBUTION COMPANY, LLC
205	55	BILLY N. TART
302	56A	J A DINKINS INVESTMENTS, LLC
303	56, 56A	LUIHN FOUR INC
304	56	JOHN DAVIS SUTTON
305	56	WAYNE OIL COMPANY, INC
306	56A	ST JOHNS BAPTIST CHURCH
308	56, 56A	WILCOHESS, LLC
309	56	EVENING STAR HOLINESS CHURCH
310	56	DUNN ARD CGP LLC
311	56	AGENES MONDS, HEIRS
313	56, 56A	PHILLIP C PARKER
314	56, 56A	DUNN PERSONAL STORAGE INC.
315	56	VIRGINIA FAISON
316	56	ST STEPHENS DISCIPLE
317	56	CAESAR A. BREWINGTON, JR.
318	19, 56, 56A	MCRT3 DUNN LLC
319	19, 56A	CIRCLE ENTERPRISES

STATE OF NORTH CAROLINA

DIVISION OF HIGHWAYS

PARCEL INDEX SHEET

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63	16	CARL E. FITCHETT, JR.
64	16	BOBBY S. JERNIGAN
65	16, 17, 54	RAWLINGS NOVELLA POPE
66	16	LISA B. FITCHETT
67	17, 54	DISHA HOSPITALITY, LLC
68	17, 18	DEMAI PROPERTIES II, LLC
69	18	CASPER ROAD, LLC
70	18, 19, 57	JESSIE CASPER, LLC
903	19, 57	JS INVESTMENT HOLDINGS, LLC
71	19, 57	SUSAN E. TART, INC
71A	57	SUSAN E. TART, INC
72	19	BEN G. BEST
73	19	JASON CARPENTER RENTALS, LLC
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75	19, 20	CAROLINA POWER & LIGHT
76	19	MARK J. WILKINS
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79	17	MARY E. RATLIFF
80	17	ONH PROPERTIES, LLC
81	54	DUNN COMMERCE PARK, LLC
82	54	WINCOR PROPERTIES, LLC
83	54	RANDY B. EMANUEL, SR
84	54	KAM LEASING, LLC
85	54	KILVET A. CABRERA
86	56	MACK D. POPE
87	56	MACK D. POPE
88	56	HADDOCK FAMILY PROPERTIES
89	56	ANNIE MAE TART
90	56	DAHIR PROPERTIES, LLC
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PARCEL No.	SHEET No.	PROPERTY OWNER NAME
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304	56	JOHN DAVIS SUTTON
305	56	WAYNE OIL COMPANY, INC
306	56A	ST JOHNS BAPTIST CHURCH
308	56, 56A	WILCOHESS, LLC
309	56	EVENING STAR HOLINESS CHURCH
310	56	DUNN ARD CGP LLC
311	56	AGENES MONDS, HEIRS
313	56, 56A	PHILLIP C PARKER
314	56, 56A	DUNN PERSONAL STORAGE INC.
315	56	VIRGINIA FAISON
316	56	ST STEPHENS DISCIPLE
317	56	CAESAR A. BREWINGTON, JR.
318	19, 56, 56A	MCRT3 DUNN LLC
319	19, 56A	CIRCLE ENTERPRISES

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

PROJ. REFERENCE NO.	SHEET NO.
I-5883	3P-2

PARCEL No.	SHEET No.	PROPERTY OWNER NAME
101	23	CLAWSON WEBB
101A	23	C. H. WEBB
102	23,24,59	CORE ENTERPRISES, INC.
102A	25	CORE ENTERPRISES, INC.
103	24	OLA IVEY
104	24,25,59	AMELDA JOHNSON
105	25,59	AMELDA JOHNSON
106	25,59	OLA IVEY
107	25	MARION SADLER
907	25	SHIRLEY COLLIER
109	25,26	RD WEEKS ESTATE, LLC
906	26	JAMES MASSENGILL
905	26	CHERYL FERGUSON
112	27,28	MCLAMB BURLINE HEIRS
113	28	GERALD BEST
114	30,31	JAMES TART
115	31,32	HHG PROPERTIES, LLC
116	32	WILLIAM DENNING ELIZABETH BERRYHILL
117	32,64	JAMES GORDON, III
118	32,33	SEASE 1995 FAMILY LTD
119	33,34	FOUNDATION BIBLE COLLEGE
120	24,25	CORE ENTERPRISES
121	24,25	OLA BYRANT IVEY
121A	25	OLA BYRANT IVEY
123	25,60	LEE MOORE OIL COMPANY
125	25,60	J. S. BRYANT
126	25,60,61	EHC PROPERTIES, LLC
127	25,61	BONNIE LEE
128	25,26,61	FOUR OAKS INVESTMENTS, LLC
129	26,27	DORIS SEWELL
130	26,60,61	MICHAEL VARSHO, JR.
131	27	DAWN TEW
132	27,28	CHARLES WEBB
133	30	LLOYD & MARGIE TURNAGE
134	30	DISTRIBUTOR INVESTMENTS
135	30,62	GRACE WEEKS
136	30,62	DANNY BAREFOOT
137	30,62	JIMMY BAREFOOT
138	32,65	LOVES TRAVEL STOPS, INC
139	32,65	ROBIN HOOD
140	32,64,65	ROBIN WHITLEY HOOD, II
142	59	BEVERLY & STANLEY WILLIAMS
909	60	NCDOT
144	60	J. S. BRYANT
145	60	CAROL B. HUDSON
146	60	MICHAEL EASON
147	31,62	BECKY BEST
148	31,62	JPF PROPERTIES, LLC
149	62	LINDA BEASLEY
150	62,63	SHIRLEY LEE
151	62	DORIS MCLAMB
152	62	GRAYLON MCLAMB
153	62	LLOYD TURNAGE
154	62	TIMOTHY TURNAGE
155	62,63	TREVY BAREFOOT
156	32,64	JAMES & DIANE YOUNG
157	64	DAVID & THELMA PRINCE
158	30,31	JIMMY & DANNY BAREFOOT
159	31,62	MILDRED TART
160	31,32	BENTON AND SONS DUNN PROPERTIES LLC

[illegible]

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

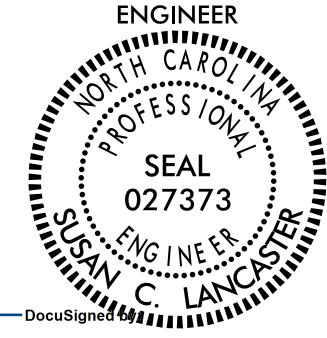
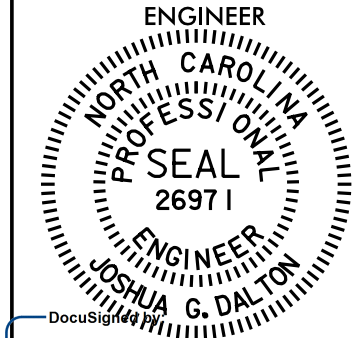
PARCEL INDEX SHEET

PROJ. REFERENCE NO.	SHEET NO.
I-5986B	3P-3

PARCEL No.	SHEET No.	PROPERTY OWNER NAME
229	34	CG WELLONS FARM INC
240	34	NEAGELE OUTDOOR ADVERTISING
242	34	MEGAN POOLE
243	34	DORIS HODGES
244	34	TRACY & TRAVIS ADAMS
245	34, 35	TRACY & TRAVIS ADAMS
246	35	BILLY PARKER
247	35	RILEY BARBOUR
248	35	REGINALD YORK
250	36, 37, 38, 67	LARC REAL ESTATE INVESTMENT, LLC
251	39, 66	P7M PROPERTIES, LLC
252	36, 37, 38, 66	CHICOPEE, INC
253	38, 39, 67	YAM CAPITAL, LLC
254	39, 40	DENISE HOUSE MARY BUSH
255	40, 41	YAM CAPITAL, LLC
256	41	THEODOSIA LOUISE LEVINSON
257	41	JAMES R. LEVINSON, NANCY L. EASON, & ANN L. MUNDAY
258	40, 41	BRIAN BAREFOOT BUNN & JULIANA BUNN KING
259	41	E&S RENTALS, LLC
260	41	SHIRLEY W. MCDANIEL
261	41	IRA D. MCLAMB & BERTHA P. MCLAMB
262	41, 42	ANDRE DECAROUS, NIXON JR, & LATIFA GROVES NIXON
263	42	LAYLON MAE MILLER
264	42	OTIS WAYNE BAREFOOT & BRENDA A. BAREFOOT
265	42	ANN PARKER & JAMES RICKY PARKER
266	42	JAMES LOCKAMY REAL ESTATE, LLC
267	42	CAMBRIDGE BUILDERS OF JOHNSTON COUNTY, INC
268	42	JAMES LOCKAMY REAL ESTATE, LLC
269	42	DANIEL W. BLACKBURN & ALICE P. BLACKBURN
270	42	LARC REAL ESTATE INVESTMENT, LLC
271	42	BENSON ONE PARTNERS
272	42, 43	SHREE VINAYAK, INC
274	42, 68	ROBIN HOOD COMPANY, INC
275	44, 45	HEAVNER FARMS, LLC
275A	43, 44	J.E. WILSON, JR.
276	43, 44	KEVIN RAY PRICE
277	44	JE WILSON, JR.
278	44, 45	HEAVNER FARMS, LLC
279	45	CARLIE NEIL WHEELESS
280	45	JAMES E. WILSON
281	45, 46	CARLIE SHERRILL & SHELBY LEE HALL
282	46	CARLIE SHERRILL HALL
283	46	GEORGE ANYTHONY & LOIS MAE GRISSOM
284	46	SHANNON STANLEY
285	45, 46	J.E. WILSON
286	46	ODIS DELMA & LINDA MCLAMB JOHNSON
287	42	H CORPORATION OF BENSON, INC (NO CLAIM)
288	42	ARELLANO & PEREZ, LLC
289	69	DOROTHY C. ALLEN
290	34, 35	DORIS HODGES
291	35, 36	THOMAS HODGES
293	40, 41	BRENDA ALLEN BAREFOOT, JAMES EDWARD ALLEN, HOWARD GLEN ALLEN
294	69	ROSA E. GODOY VALLE & RANDOLFO SORTO BAUTISTA
295	69	ISLA RUTH BENSON
296	42, 68	LUIHN FOUR REAL PROPERTY, LLC

[illegible]

5/14/2021

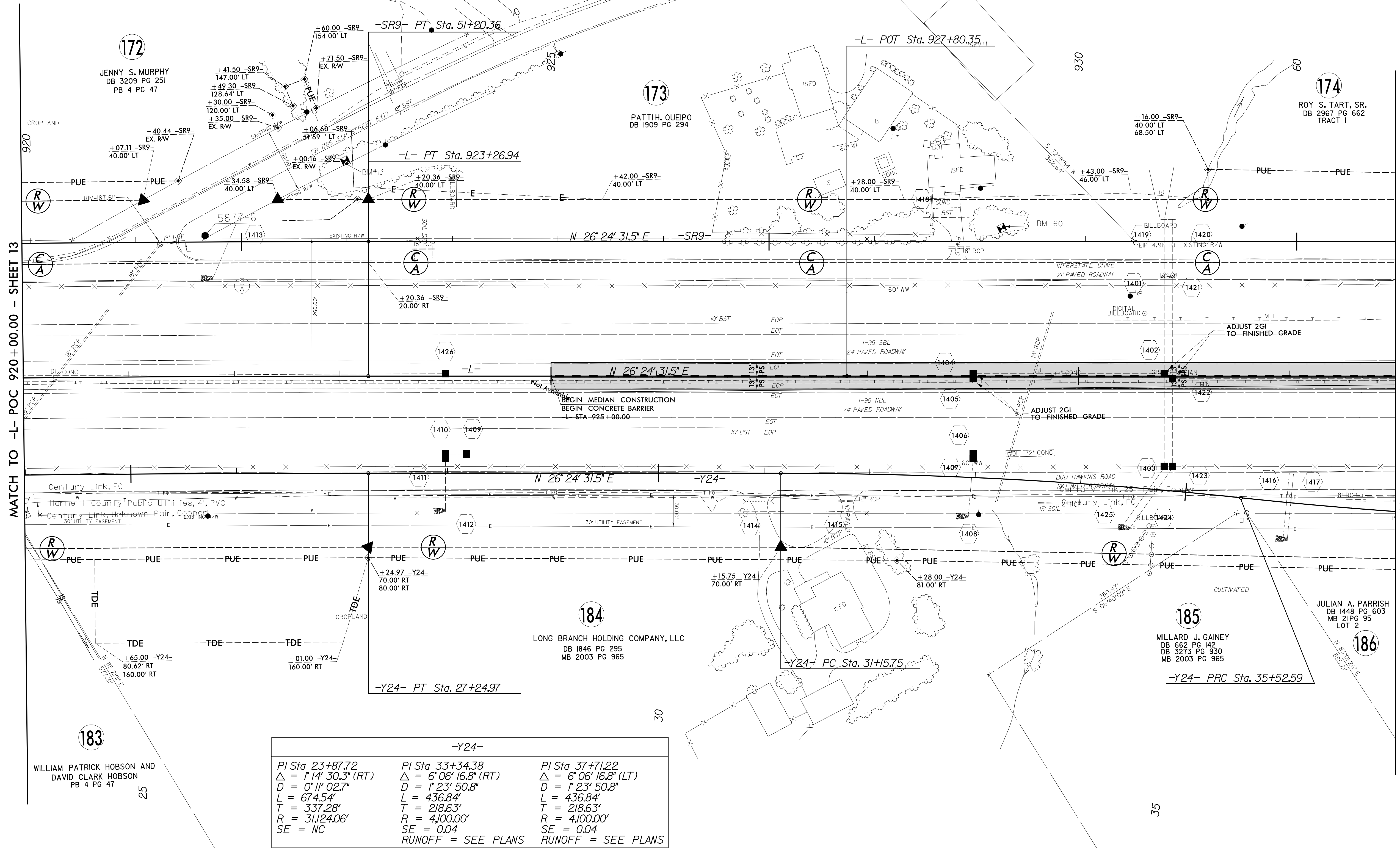
PROJECT REFERENCE NO.		SHEET NO.	
I-5878		14	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
			
Susan C. Lancaster 5/14/2021		Joshua G. Dalton 5/14/2021	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
Michael Baker Engineering, Inc. 10000 Research Parkway Suite 600 Charlotte, NC 28218 Phone: 704.366.1000 Fax: 704.366.1001 www.mbakeng.com		SUNGATE DESIGN GROUP, P.A. 500 JONES FARM ROAD RALEIGH, NORTH CAROLINA 27605 Phone: 919.881.1000 Fax: 919.881.1001 www.sungatepa.com	

ALL DRAINAGE TO BE INSTALLED BY OTHERS UNDER I-5877.
ADJUST MEDIAN 2GI'S TO FINISHED GRADE UNDER I-5986B.

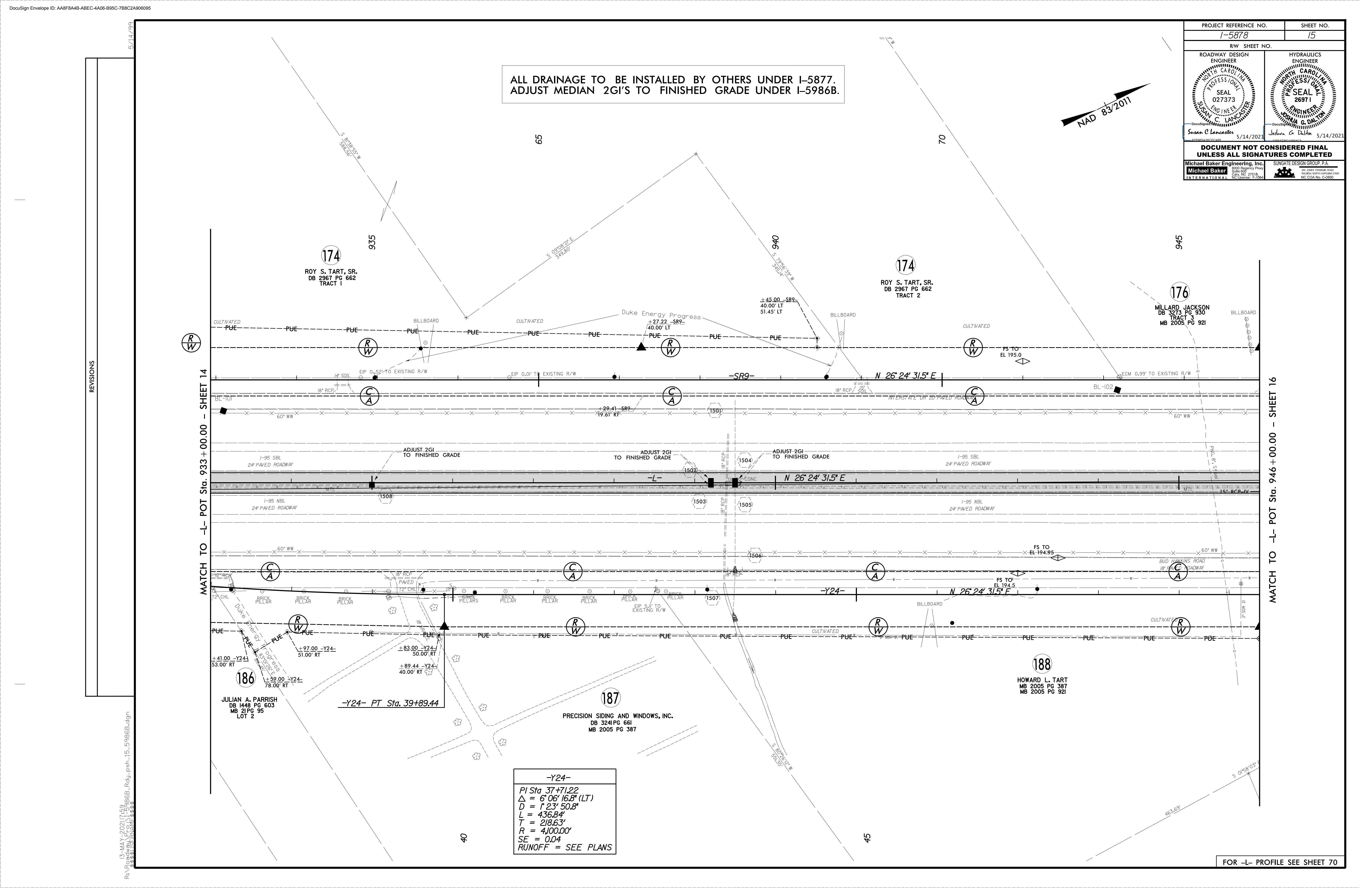


-SR9-
PI Sta 47+80.73
 $\Delta = 1'14" 30.3" (RT)$
 $D = 0'10" 58.1"$
 $L = 679.30'$
 $T = 339.66'$
 $R = 31,343.56'$
 $SE = 0.02$
RUNOFF = SEE PLANS

-L-
PI Sta 919+88.69
 $\Delta = 1'14" 30.3" (RT)$
 $D = 0'11" 00.8"$
 $L = 676.53'$
 $T = 338.28'$
 $R = 31,216.06'$
 $SE = NC$



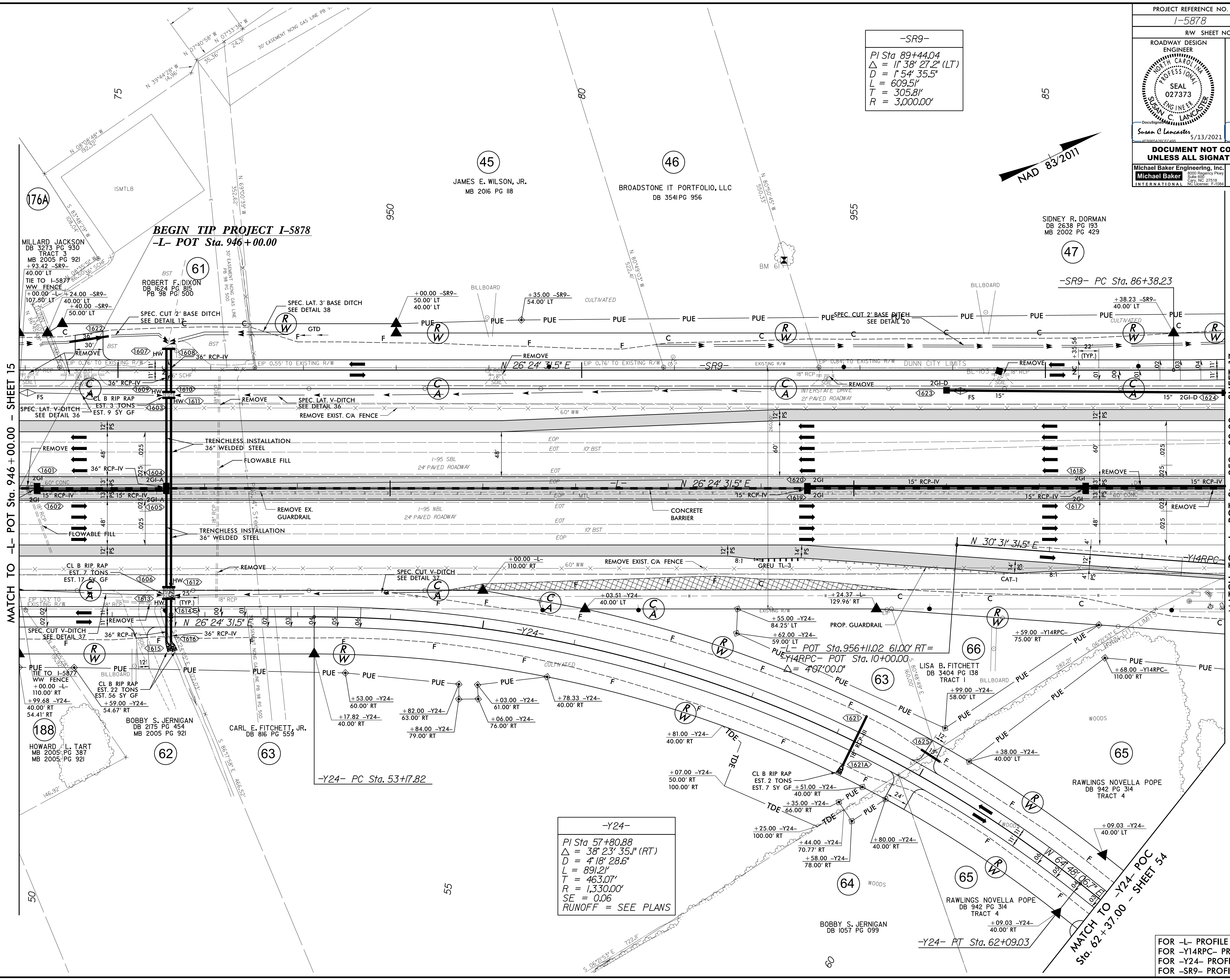
-Y24-
PI Sta 23+87.72
 $\Delta = 1'14" 30.3" (RT)$
 $D = 0'11" 02.7"$
 $L = 674.54'$
 $T = 337.28'$
 $R = 31,124.06'$
 $SE = NC$
PI Sta 33+34.38
 $\Delta = 6'06" 16.8" (RT)$
 $D = 1'23" 50.8"$
 $L = 436.84'$
 $T = 218.63'$
 $R = 4,100.00'$
 $SE = 0.04$
RUNOFF = SEE PLANS
PI Sta 37+71.22
 $\Delta = 6'06" 16.8" (LT)$
 $D = 1'23" 50.8"$
 $L = 436.84'$
 $T = 218.63'$
 $R = 4,100.00'$
 $SE = 0.04$
RUNOFF = SEE PLANS



5/14/99

PROJECT REFERENCE NO.		SHEET NO.	
I-5878		16	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		NORTH CAROLINA PROFESSIONAL SEAL 027373	
SUNSHINE C. LANCASTER		NORTH CAROLINA PROFESSIONAL SEAL 26971	
SUNSHINE C. LANCASTER		JOSHUA G. DARTON	
5/13/2021		5/12/2021	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
Michael Baker Engineering, Inc.		SUNGATE DESIGN GROUP, P.A.	
10000 Regency Park Suite 600 Charlotte, NC 27718 NC License: F-1034		60000 Regency Park Suite 600 Charlotte, NC 27718 NC License: C-1890	

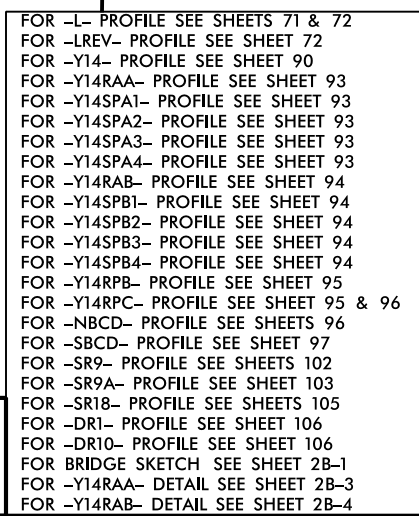
-SR9-
PI Sta 89+44.04
Δ = 1° 38' 27.2" (LT)
D = 1° 54' 35.5"
L = 609.51'
T = 305.81'
R = 3,000.00'

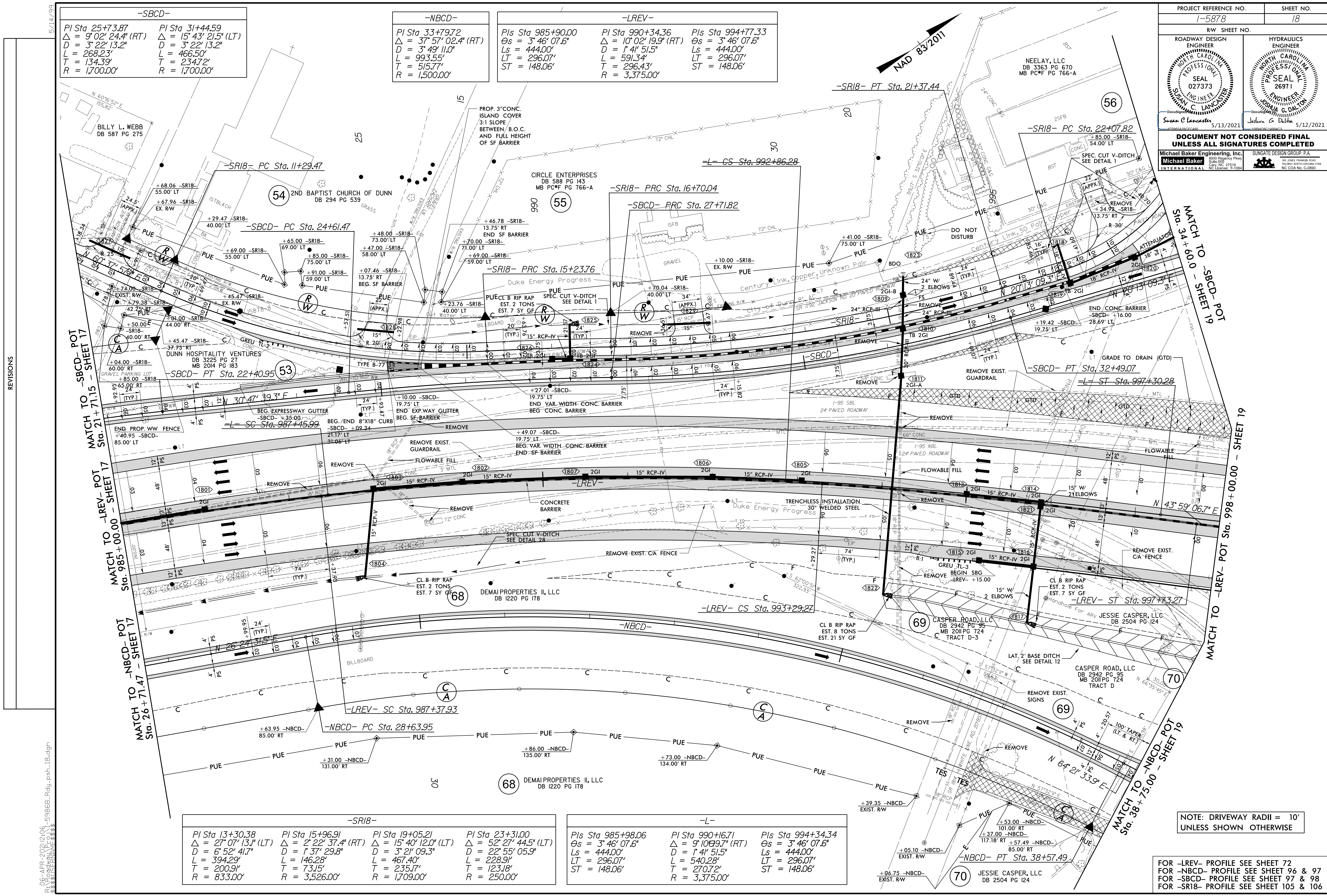


-Y24-
PI Sta 57+80.88
Δ = 38° 23' 35.1" (RT)
D = 4° 18' 28.6"
L = 891.21'
T = 463.07'
R = 1,330.00'
SE = 0.06
RUNOFF = SEE PLANS

FOR -L- PROFILE SEE SHEET 71
FOR -Y14RPC- PROFILE SEE SHEET 95
FOR -Y24- PROFILE SEE SHEET 100
FOR -SR9- PROFILE SEE SHEET 102

R:\2-MAR-2021\0816-5986B-RdJ-psh-16.dgn
5/14/99





PROJECT REFERENCE NO. 1-5878		SHEET NO. 18	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		SEAL 027373 SUSAN C. LANCASTER	
SUSAN C. LANCASTER 5/13/2021		JOSHUA G. DALTON 5/12/2021	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
Michael Baker Engineering, Inc. 1000 Regency Drive Suite 600 Charlotte, NC 27718 Tel: 704.366.1000 Fax: 704.366.1001 www.michaelbaker.com		SUNGATE DESIGN GROUP, P.A. 20000 Suncoast Blvd. Suite 100 Jacksonville, FL 32256 Tel: 904.444.1000 Fax: 904.444.1001 www.sungatedesign.com	

-SBCD-

PI Sta 25+73.87 Δ = 9°02' 24.4" (RT) D = 3' 22' 13.2" L = 268.23' T = 134.39' R = 1,700.00'	PI Sta 31+44.59 Δ = 15° 43' 21.5" (LT) D = 3' 22' 13.2" L = 466.50' T = 234.72' R = 1,700.00'
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-NBBCD-

PI Sta 33+79.72 Δ = 37° 57' 02.4" (RT) D = 3' 49' 11.0" L = 993.55' T = 515.77' R = 1,500.00'
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-LREV-

PIs Sta 985+90.00 Θs = 3° 46' 07.6" Ls = 444.00' LT = 296.07' ST = 148.06'	PI Sta 990+34.36 Δ = 10° 02' 19.9" (RT) D = 1° 41' 51.5" L = 591.34' T = 296.43' R = 3,375.00'	PIs Sta 994+77.33 Θs = 3° 46' 07.6" Ls = 444.00' LT = 296.07' ST = 148.06'
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-SR18-

PI Sta 13+30.38 Δ = 27° 07' 13.1" (LT) D = 6° 52' 41.7" L = 394.29' T = 200.91' R = 833.00'	PI Sta 15+96.91 Δ = 2° 22' 37.4" (RT) D = 1° 37' 29.8" L = 146.28' T = 73.15' R = 3,526.00'	PI Sta 19+05.21 Δ = 15° 40' 12.0" (LT) D = 2° 22' 09.3" L = 467.40' T = 235.17' R = 1,709.00'	PI Sta 23+31.00 Δ = 52° 27' 44.5" (LT) D = 3° 25' 05.9" L = 228.91' T = 123.18' R = 250.00'
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-L-

PIs Sta 985+98.06 Θs = 3° 46' 07.6" Ls = 444.00' LT = 296.07' ST = 148.06'	PI Sta 990+16.71 Δ = 9° 10' 19.7" (RT) D = 1° 41' 51.5" L = 540.28' T = 270.72' R = 3,375.00'	PIs Sta 994+34.34 Θs = 3° 46' 07.6" Ls = 444.00' LT = 296.07' ST = 148.06'
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NOTE: DRIVEWAY RADII = 10'
UNLESS SHOWN OTHERWISE

FOR -LREV- PROFILE SEE SHEET 72
FOR -NBBCD- PROFILE SEE SHEET 96 & 97
FOR -SBCD- PROFILE SEE SHEET 97 & 98
FOR -SR18- PROFILE SEE SHEET 105 & 106