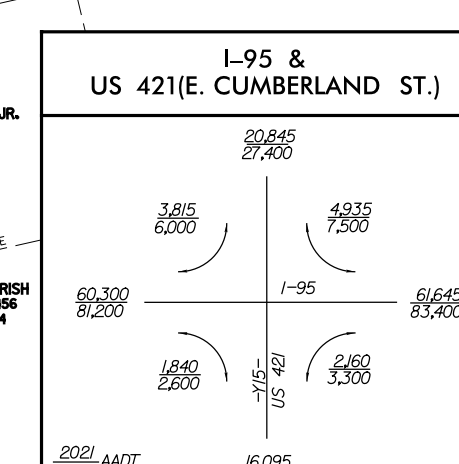


REVISIONS
08221 - RW REVISIONS ADDED RW AND DRIVE TURNOUT ON PARCEL 73 FOR BULKHEAD ACCESS. SCL

-Y15-		
PI Sta 214571 Δ = 5'00" 53.1' (RT) D = 130' 13.3' L = 313.46' T = 156.73' R = 3,500.00'	PI Sta 16+33.56 Δ = 0'00" 28.4' (LT) D = 3'00" 64.4' L = 112.28' T = 55.14' R = 1,850.00'	PI Sta 21+4601 Δ = 12'00" 00.0' (RT) D = 1'00" 56.2' L = 83.76' T = 42.88' R = 4,000.00'

-Y15RPA-		
PI Sta 11+26.02 Δ = 2'59" 36.2' D = 180.00' L = 182.86' T = 91.43' R = 63.02'	PI Sta 16+33.56 Δ = 0'00" 28.4' (LT) D = 3'00" 64.4' L = 112.28' T = 55.14' R = 1,850.00'	PI Sta 21+4601 Δ = 12'00" 00.0' (RT) D = 1'00" 56.2' L = 83.76' T = 42.88' R = 4,000.00'

-SR18-		
PI Sta 23+31.00 Δ = 22'07" 44.9' (LT) D = 22'53" 05.9' L = 228.99' T = 121.49' R = 2,500.00'	PI Sta 27+182.20 Δ = 13'54" 57.4' (RT) D = 8'48" 13.0' L = 200.00' T = 100.00' R = 670.00'	PI Sta 29+189.96 Δ = 17'37" 46.1' (RT) D = 8'48" 13.0' L = 200.00' T = 100.00' R = 650.00'



NOTE: DRIVEWAY RADII = 10' UNLESS SHOWN OTHERWISE

GRAPHIC SCALE
PLANS

FOR -L- PROFILE SEE SHEET 73
FOR -LREV- PROFILE SEE SHEETS 91 & 92
FOR -JANCD- PROFILE SEE SHEET 97
FOR -SBCD- PROFILE SEE SHEETS 98
FOR -Y15RPA- PROFILE SEE SHEETS 98 & 99
FOR -Y15RD- PROFILE SEE SHEETS 99 & 100
FOR -Y25A- PROFILE SEE SHEET 101
FOR -SRI1- PROFILE SEE SHEETS 103 & 104
FOR -SR12- PROFILE SEE SHEET 105
FOR BRIDGE SKETCH, SEE SHEET 28-1

PROJECT REFERENCE NO. 17-5278
SHEET NO. 72

ROADWAY DESIGN ENGINEERS
C. LAMARBY / 2021
JULY 27, 2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HYDRAULICS ENGINEERS
CAROLINA POWER & LIGHT
SEAL 2871

-Y15RPA-			
PI Sta 12+07.57 Δ = 3'52" 02.9' D = 144.00' L = 144.00' T = 72.00' R = 160.00'	PI Sta 14+62.86 Δ = 13'04" 18.8' (RT) D = 3'04" 51.8' L = 365.04' T = 182.52' R = 160.00'	PI Sta 21+40.82 Δ = 3'28" 15.9' D = 180.00' L = 180.00' T = 90.00' R = 500.00'	PI Sta 22+162.25 Δ = 2'30" 10.6' (LT) D = 17'27" 13.9' L = 187.65' T = 93.83' R = 500.00'

-LREV-			
PI Sta 101+486.69 Δ = 2'05" 00.8' (RT) D = 0'49" 06.6' L = 228.58' T = 114.29' R = 7,000.00'	PI Sta 103+486.69 Δ = 2'05" 00.8' (RT) D = 0'49" 06.6' L = 228.58' T = 114.29' R = 7,000.00'	PI Sta 105+486.69 Δ = 2'05" 00.8' (RT) D = 0'49" 06.6' L = 228.58' T = 114.29' R = 7,000.00'	PI Sta 107+486.69 Δ = 2'05" 00.8' (RT) D = 0'49" 06.6' L = 228.58' T = 114.29' R = 7,000.00'

-SR11-		
PI Sta 12+33.35 Δ = 38'07" 39.1' (LT) D = 19'05" 54.9' L = 294.52' T = 147.26' R = 3,000.00'	PI Sta 15+486.69 Δ = 15'48" 19.4' (LT) D = 3'47" 41.8' L = 428.02' T = 214.01' R = 1,551.00'	PI Sta 19+80.64 Δ = 5'50" 13.8' (LT) D = 3'49" 11.0' L = 451.17' T = 225.59' R = 1,500.00'

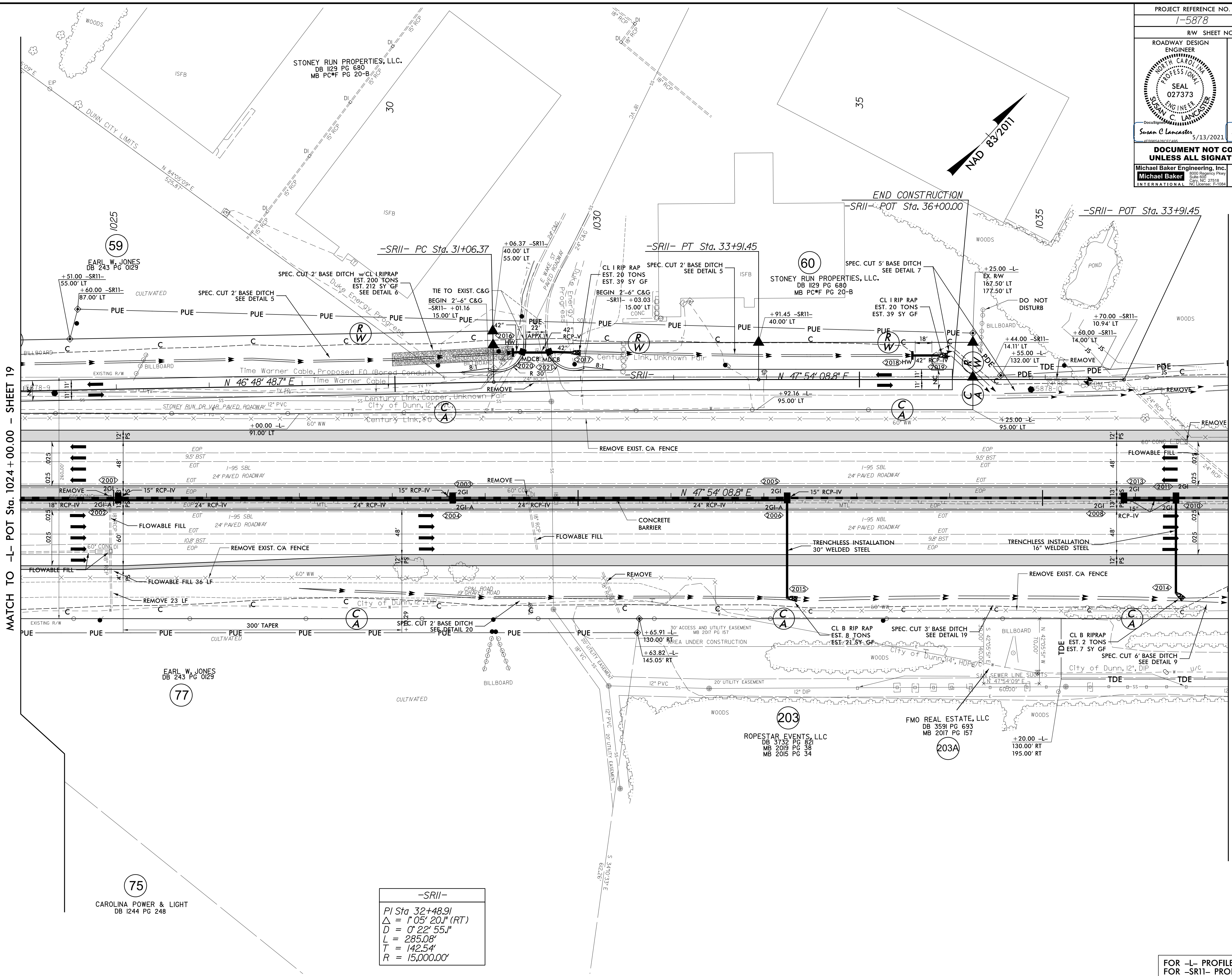
-Y25A-		
PI Sta 22+144.57 Δ = 0'13" 45.1' L = 100.56' T = 50.28' R = 25,000.00'	PI Sta 22+144.57 Δ = 0'13" 45.1' L = 100.56' T = 50.28' R = 25,000.00'	PI Sta 22+144.57 Δ = 0'13" 45.1' L = 100.56' T = 50.28' R = 25,000.00'

-Y15RPA-		
PI Sta 101+486.69 Δ = 2'05" 00.8' (RT) D = 0'49" 06.6' L = 228.58' T = 114.29' R = 7,000.00'	PI Sta 103+486.69 Δ = 2'05" 00.8' (RT) D = 0'49" 06.6' L = 228.58' T = 114.29' R = 7,000.00'	PI Sta 105+486.69 Δ = 2'05" 00.8' (RT) D = 0'49" 06.6' L = 228.58' T = 114.29' R = 7,000.00'

-Y15RPA-		
PI Sta 101+486.69 Δ = 2'05" 00.8' (RT) D = 0'49" 06.6' L = 228.58' T = 114.29' R = 7,000.00'	PI Sta 103+486.69 Δ = 2'05" 00.8' (RT) D = 0'49" 06.6' L = 228.58' T = 114.29' R = 7,000.00'	PI Sta 105+486.69 Δ = 2'05" 00.8' (RT) D = 0'49" 06.6' L = 228.58' T = 114.29' R = 7,000.00'

-Y15RPA-		
PI Sta 101+486.69 Δ = 2'05" 00.8' (RT) D = 0'49" 06.6' L = 228.58' T = 114.29' R = 7,000.00'	PI Sta 103+486.69 Δ = 2'05" 00.8' (RT) D = 0'49" 06.6' L = 228.58' T = 114.29' R = 7,000.00'	PI Sta 105+486.69 Δ = 2'05" 00.8' (RT) D = 0'49" 06.6' L = 228.58' T = 114.29' R = 7,000.00'

PROJECT REFERENCE NO. 1-5878	SHEET NO. 20
RW SHEET NO.	
ROADWAY DESIGN ENGINEER SUSAN C LANCASTER SEAL 027373 5/13/2021	HYDRAULICS ENGINEER JOSHUA G DALTON SEAL 26971 5/12/2021
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Michael Baker Engineering, Inc. INTERNATIONAL	SUNGATE DESIGN GROUP, P.A.



MATCH TO -L- POT Sta. 1024+00.00 - SHEET 19

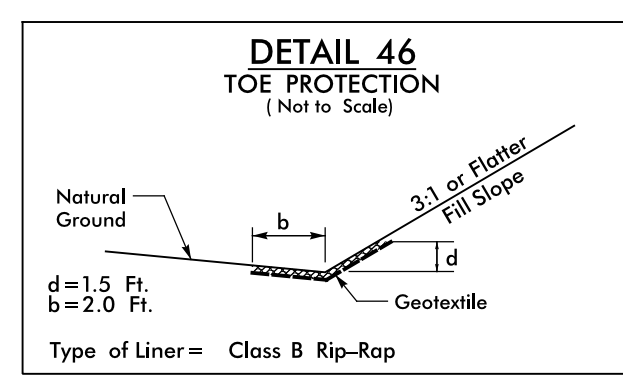
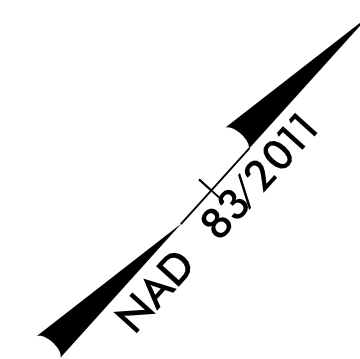
MATCH TO -L- POT Sta. 1037+00.00 - SHEET 21

-SR11-
PI Sta 32+48.91
$\Delta = 1' 05'' 20.1'' (RT)$
$D = 0' 22'' 55.1''$
$L = 285.08'$
$T = 142.54'$
$R = 15,000.00'$

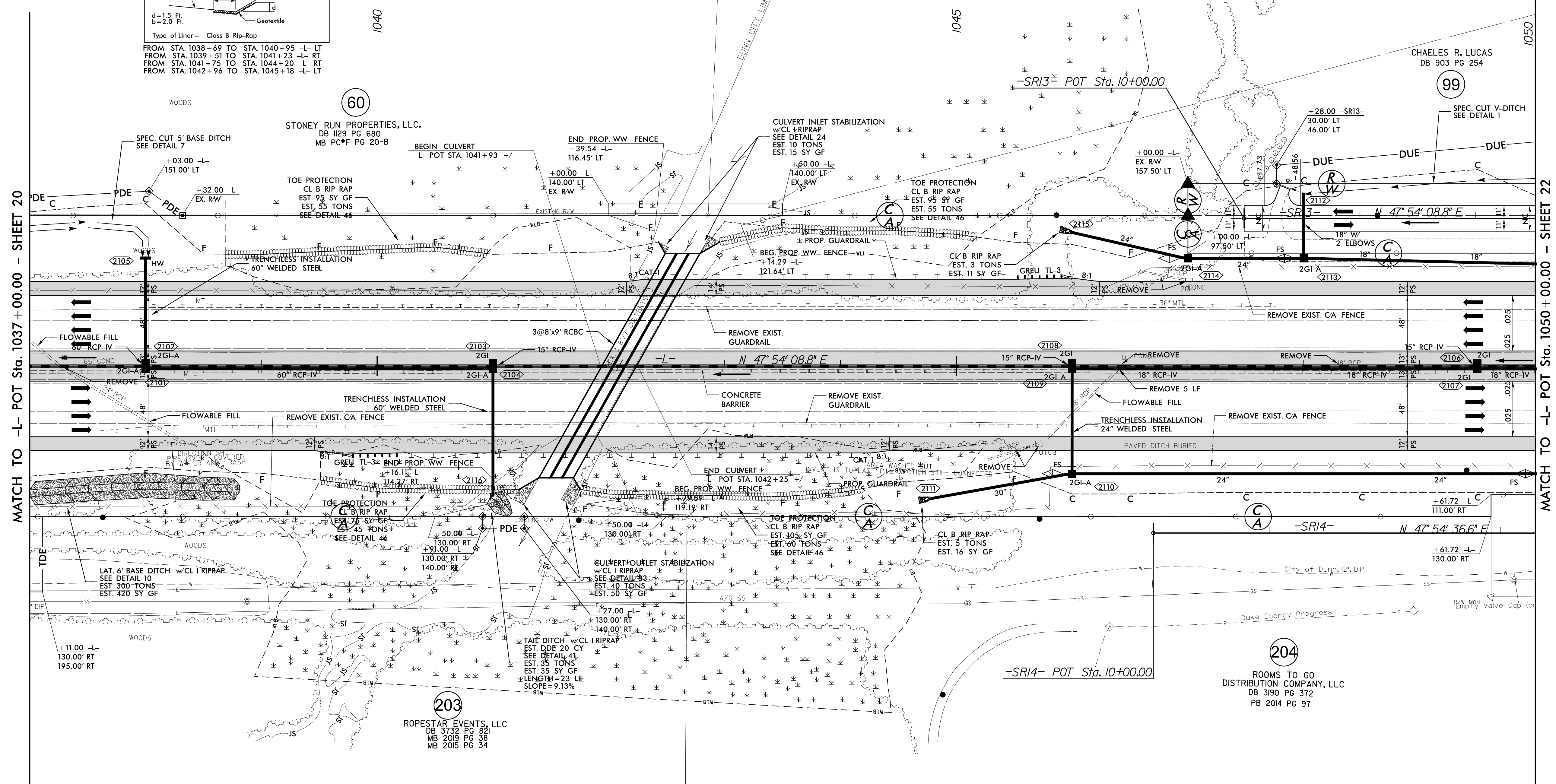
FOR -L- PROFILE SEE SHEET 74
FOR -SR11- PROFILE SEE SHEET 104

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PROJECT REFERENCE NO. 1-5878		SHEET NO. 21	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER SUSAN C LANCASTER SEAL 027373 NORTH CAROLINA PROFESSIONAL ENGINEER		HYDRAULICS ENGINEER JOSHUA G DALTON SEAL 26971 NORTH CAROLINA PROFESSIONAL ENGINEER	
Susan C Lancaster 5/13/2021		Joshua G Dalton 5/12/2021	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
Michael Baker Engineering, Inc. 1800 Piedmont Drive Suite 800 Cary, NC 27518 NC License: P-1084		SUNGATE DESIGN GROUP, P.A. 10000 SunGate Parkway Raleigh, NC 27617 NC License: P-1089	



FROM STA. 1038+69 TO STA. 1040+95 -L- LT
 FROM STA. 1039+51 TO STA. 1041+23 -L- RT
 FROM STA. 1041+75 TO STA. 1044+20 -L- RT
 FROM STA. 1042+96 TO STA. 1045+18 -L- LT



MATCH TO -L- POT Sta. 1037+00.00 - SHEET 20

MATCH TO -L- POT Sta. 1050+00.00 - SHEET 22

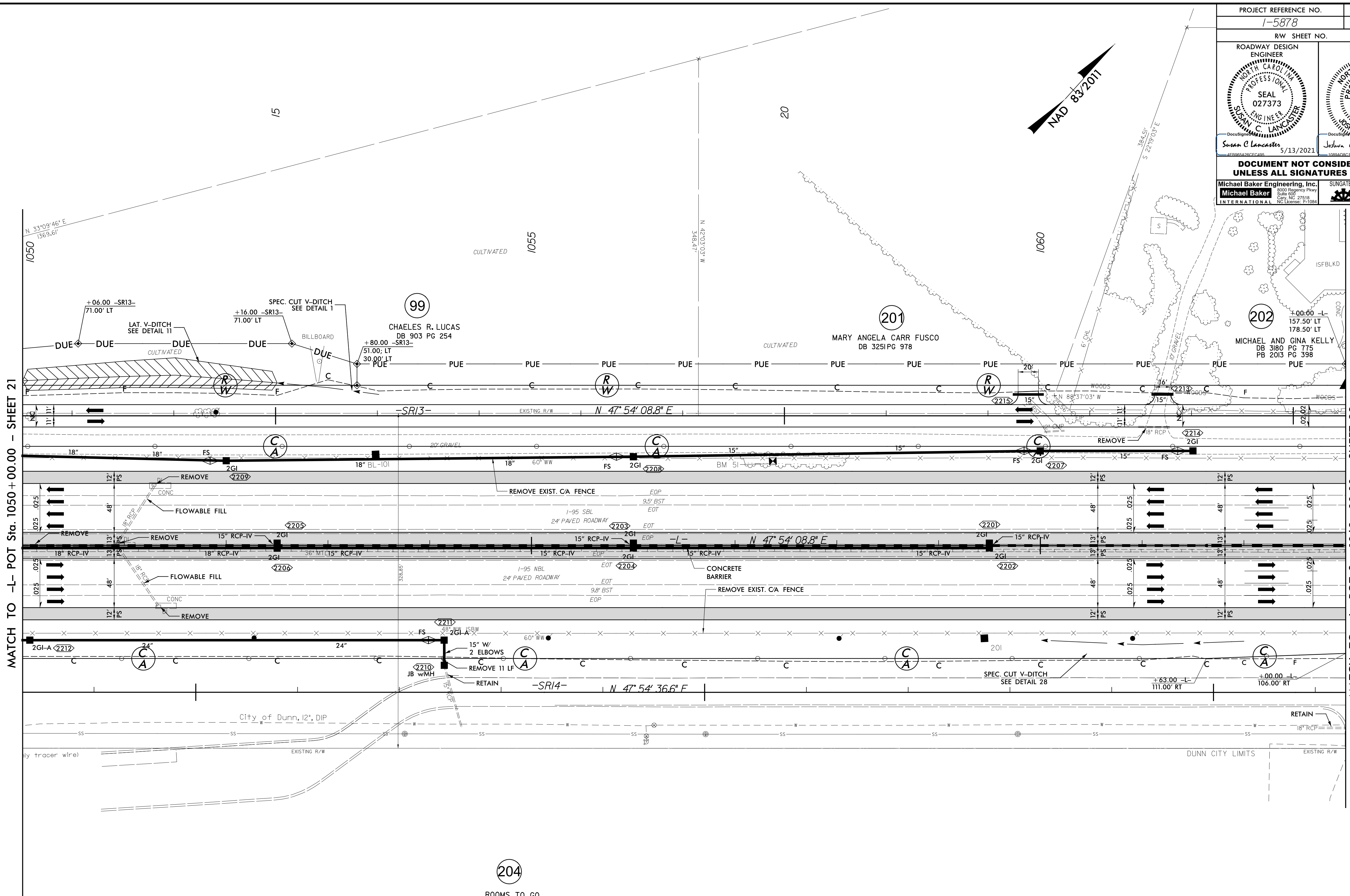
NOTE: DRIVEWAY RADII = 10'
UNLESS SHOWN OTHERWISE

FOR -L- PROFILE SEE SHEET 74
FOR -SR13- PROFILE SEE SHEET 118

5/14/99

R:\2-MAR-2021\08146-5986B-Rdy-psh-21.dgn
SUSAN LANCASTER

PROJECT REFERENCE NO. 1-5878		SHEET NO. 22	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER SUSAN C LANCASTER SEAL 027373 NORTH CAROLINA PROFESSIONAL ENGINEER		HYDRAULICS ENGINEER JOSHUA G DALTON SEAL 26971 NORTH CAROLINA PROFESSIONAL ENGINEER	
Susan C Lancaster 5/13/2021		Joshua G Dalton 5/12/2021	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
Michael Baker Engineering, Inc. INTERNATIONAL 8000 Piedmont Parkway Suite 800 Charlotte, NC 27218 NC License: P-1084		SUNGATE DESIGN GROUP, P.A. 1000 SHILOH ROAD WALTON NORTH CAROLINA 27056 NC CDA No. C-6890	



REVISIONS

MATCH TO -L- POT Sta. 1050 + 00.00 - SHEET 21

MATCH TO -L- POT Sta. 1063 + 00.00 - SHEET 23
END TIP I-5878 /BEGIN TIP I-5883

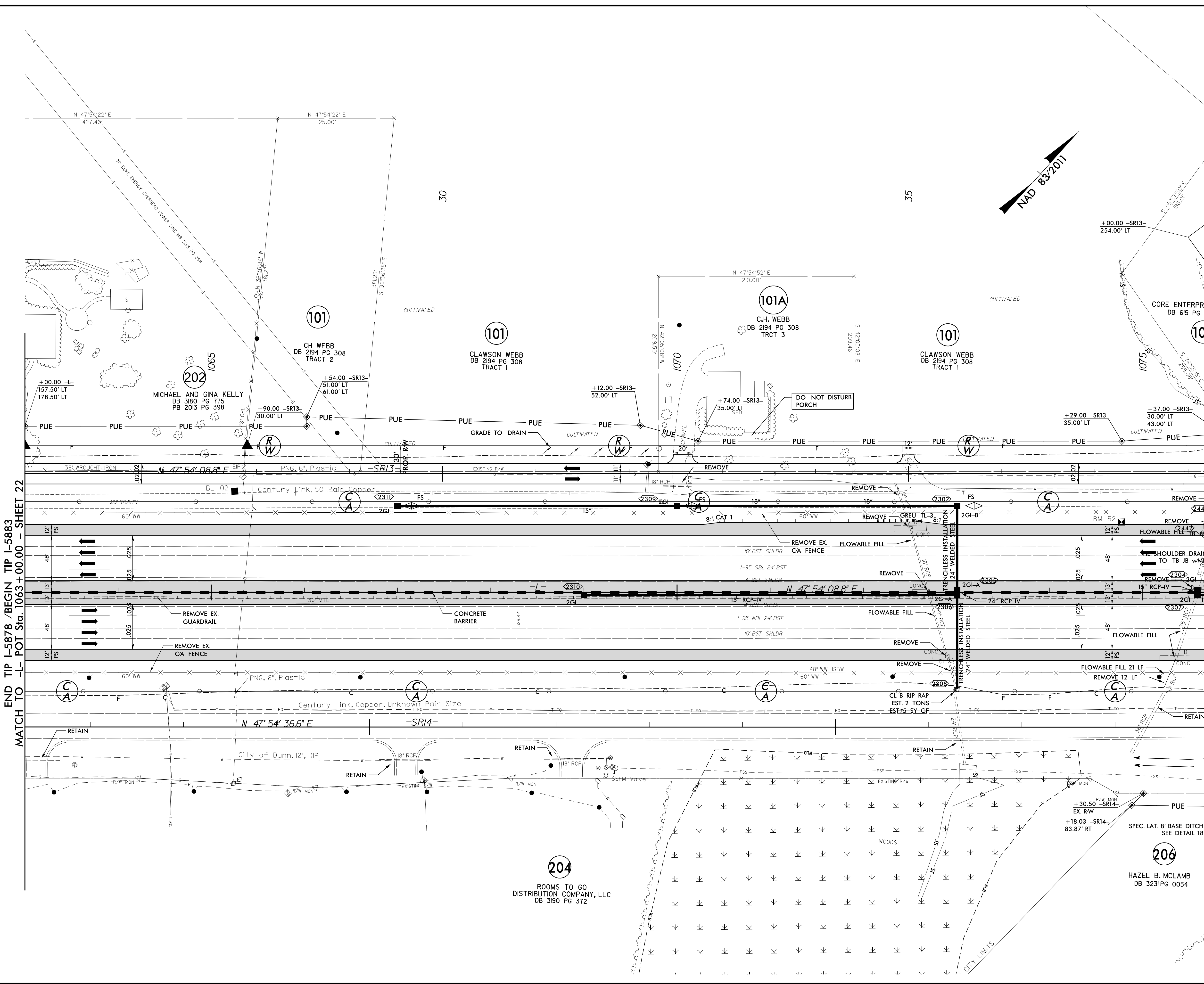
204
ROOMS TO GO
DISTRIBUTION COMPANY, LLC
DB 3190 PG 372
PB 2014 PG 97

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C:\Users\SLANCASTER\Documents\1-5878\1-5878.dwg

NOTE: DRIVEWAY RADII = 10'
UNLESS SHOWN OTHERWISE

FOR -L- PROFILE SEE SHEET 75
FOR -SR13- PROFILE SEE SHEETS 118

PROJECT REFERENCE NO. 1-5883	SHEET NO. 23
RW SHEET NO.	
ROADWAY DESIGN ENGINEER SUSAN C. LANCASTER SEAL 027373 SUNGATE DESIGN GROUP, P.A.	HYDRAULICS ENGINEER JOSHUA G. DALTON SEAL 26971 SUNGATE DESIGN GROUP, P.A.
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Michael Baker Engineering, Inc. 4000 Rindgeville Pkwy Suite 600 Cary, NC 27518 NC License: P-1084	SUNGATE DESIGN GROUP, P.A. 62 ZONES FRANKER ROAD HALES BROOK-CAROLINA DRIVE NC COA No. C-4890



REVISIONS



END TIP I-5878 / BEGIN TIP I-5883
MATCH TO -L- POT Sta. 1063 + 00.00 - SHEET 22

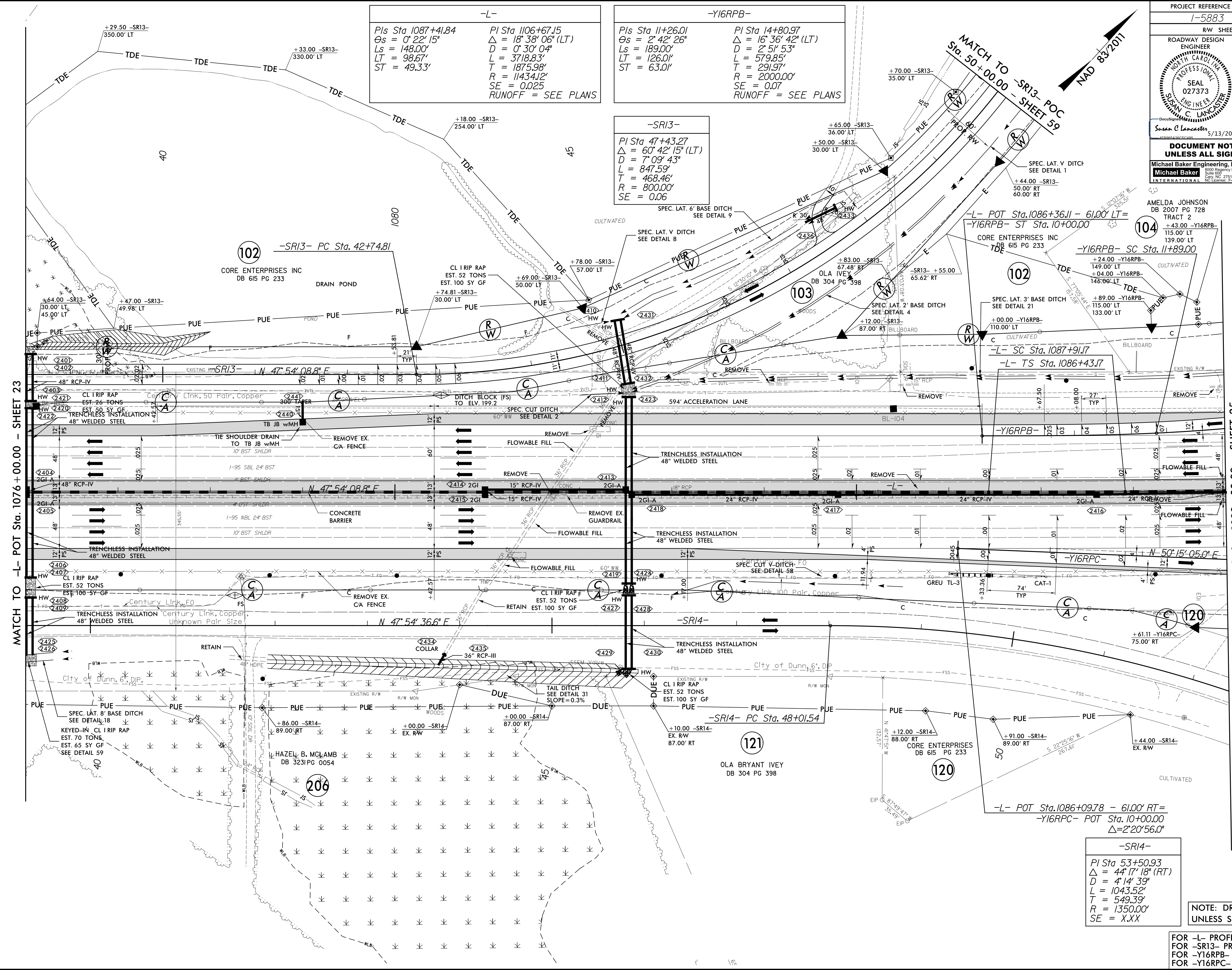
MATCH TO -L- POT Sta. 1076 + 00.00 - SHEET 24

NOTE: DRIVEWAY RADII = 10'
UNLESS SHOWN OTHERWISE

FOR -L- PROFILE SEE SHEET 75
FOR -SR13- PROFILE SEE SHEET 118 & 119

8/17/2011

R:\MAR-2021\08-42\11-59866B_Rdy_psh_24.dgn
S:\SUNGATE\PROJECTS\11-59866B\11-59866B.dwg



-L-
 Pls Sta 1087+41.84
 $\Delta_s = 0^\circ 22' 15''$
 $L_s = 148.00'$
 $LT = 98.67'$
 $ST = 49.33'$

PI Sta 1106+67.15
 $\Delta = 18^\circ 38' 06'' (LT)$
 $D = 0^\circ 30' 04''$
 $L = 3718.83'$
 $T = 1875.98'$
 $R = 11434.12'$
 $SE = 0.025$
 RUNOFF = SEE PLANS

-Y16RPB-
 Pls Sta 11+26.01
 $\Delta_s = 2^\circ 42' 26''$
 $L_s = 189.00'$
 $LT = 126.01'$
 $ST = 63.01'$

PI Sta 14+80.97
 $\Delta = 16^\circ 36' 42'' (LT)$
 $D = 2^\circ 51' 53''$
 $L = 579.85'$
 $T = 291.97'$
 $R = 2000.00'$
 $SE = 0.07$
 RUNOFF = SEE PLANS

-SR13-
 PI Sta 47+43.27
 $\Delta = 60^\circ 42' 15'' (LT)$
 $D = 7^\circ 09' 43''$
 $L = 847.59'$
 $T = 468.46'$
 $R = 800.00'$
 $SE = 0.06$

-SR14-
 PI Sta 53+50.93
 $\Delta = 44^\circ 17' 18'' (RT)$
 $D = 4^\circ 14' 39''$
 $L = 1043.52'$
 $T = 549.39'$
 $R = 1350.00'$
 $SE = XXX$

PROJECT REFERENCE NO. 1-5883	SHEET NO. 24
RW SHEET NO.	
ROADWAY DESIGN ENGINEER SUNGATE DESIGN GROUP, P.A. SUNGATE DESIGN GROUP, P.A. 1000 RICHMOND PIKE SUITE 600 RANDOLPH, NC 27158 919.875.1100 NC License: P-10884	HYDRAULICS ENGINEER SUNGATE DESIGN GROUP, P.A. SUNGATE DESIGN GROUP, P.A. 1000 RICHMOND PIKE SUITE 600 RANDOLPH, NC 27158 919.875.1100 NC License: P-10884
SEAL 027373 SUNGATE DESIGN GROUP, P.A. SUNGATE DESIGN GROUP, P.A. 1000 RICHMOND PIKE SUITE 600 RANDOLPH, NC 27158 919.875.1100 NC License: P-10884	SEAL 26971 SUNGATE DESIGN GROUP, P.A. SUNGATE DESIGN GROUP, P.A. 1000 RICHMOND PIKE SUITE 600 RANDOLPH, NC 27158 919.875.1100 NC License: P-10884
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Michael Baker Engineering, Inc. 1000 RICHMOND PIKE SUITE 600 RANDOLPH, NC 27158 919.875.1100 NC License: P-10884	SUNGATE DESIGN GROUP, P.A. 1000 RICHMOND PIKE SUITE 600 RANDOLPH, NC 27158 919.875.1100 NC License: P-10884

AMELDA JOHNSON
DB 2007 PG 728
TRACT 2
+43.00 -Y16RPB-
115.00' LT
139.00' LT
146.00' LT

-L- POT Sta.1086+36.11 - 61.00' LT=
-Y16RPB- ST Sta.10+00.00

-L- SC Sta.1087+91.17
-L- TS Sta.1086+43.17

-Y16RPC- POT Sta.10+00.00
 $\Delta = 2^\circ 20' 56.0''$

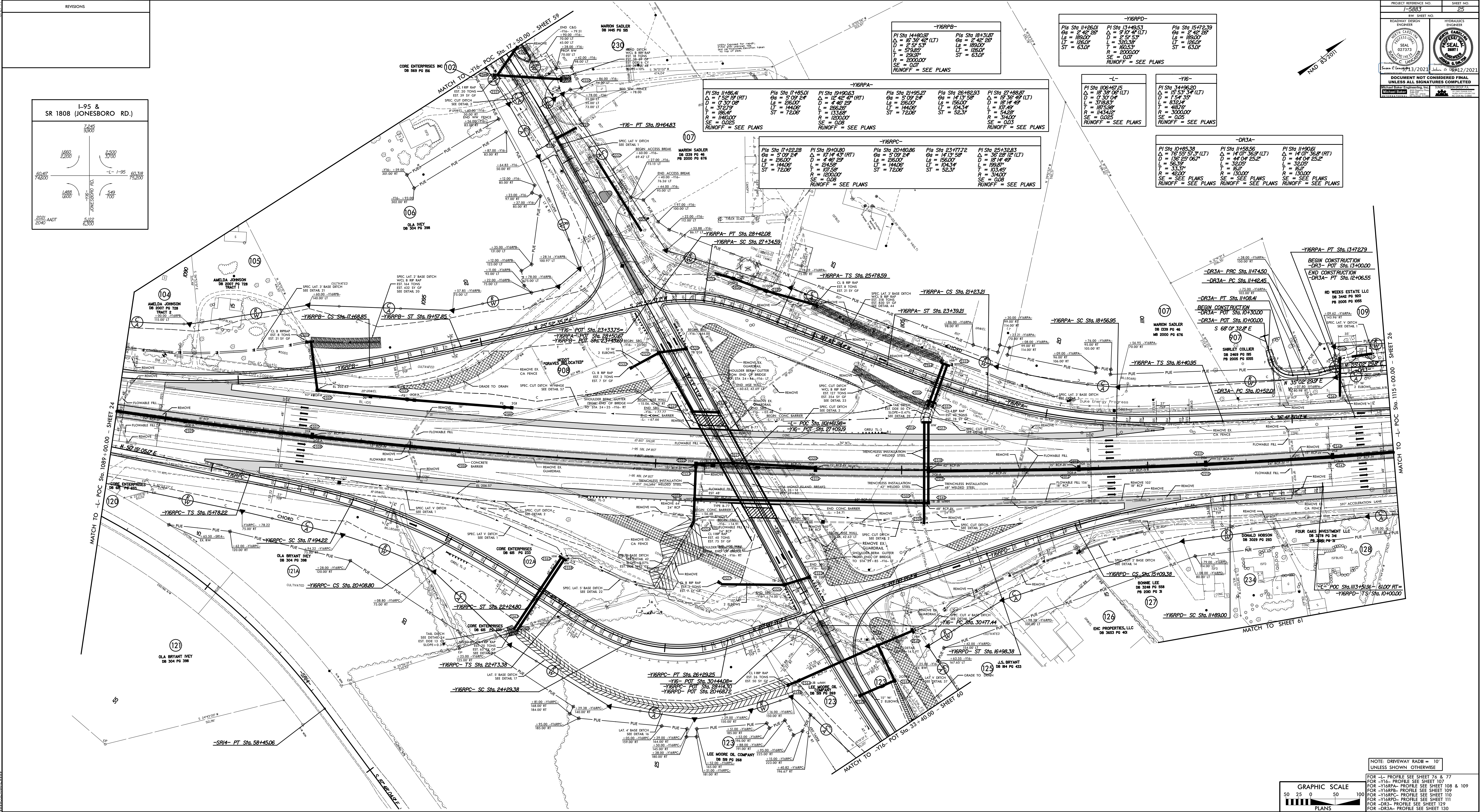
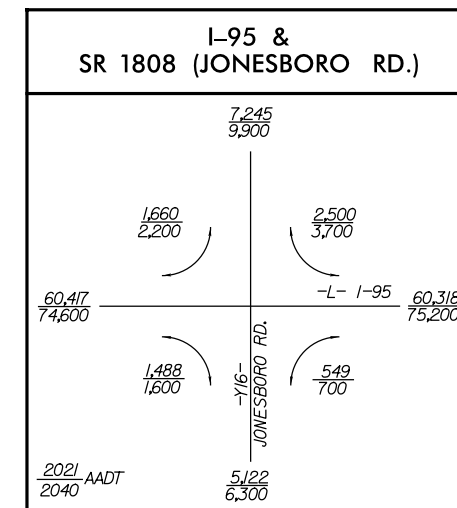
-SR14-
PI Sta 53+50.93
 $\Delta = 44^\circ 17' 18'' (RT)$
 $D = 4^\circ 14' 39''$
 $L = 1043.52'$
 $T = 549.39'$
 $R = 1350.00'$
 $SE = XXX$

-SR14-
PI Sta 53+50.93
 $\Delta = 44^\circ 17' 18'' (RT)$
 $D = 4^\circ 14' 39''$
 $L = 1043.52'$
 $T = 549.39'$
 $R = 1350.00'$
 $SE = XXX$

NOTE: DRIVEWAY RADII = 10'
UNLESS SHOWN OTHERWISE

FOR -L- PROFILE SEE SHEET 76
FOR -SR13- PROFILE SEE SHEET 119
FOR -Y16RPB- PROFILE SEE SHEET 109
FOR -Y16RPC- PROFILE SEE SHEET 110

NO.	DESCRIPTION	DATE



-Y16RPB-

PI Sta 14480.97 G ₁ = 2.42 28' D = 15.36 42' (LT) L = 189.00' T = 57.95' R = 1400.00' SE = 0.07 RUNOFF = SEE PLANS	PI Sta 19431.87 G ₂ = 2.42 28' D = 15.36 42' (LT) L = 189.00' T = 57.95' R = 1400.00' SE = 0.07 RUNOFF = SEE PLANS
--	--

-Y16RPD-

PI Sta 14426.01 G ₁ = 2.42 28' D = 15.36 42' (LT) L = 189.00' T = 57.95' R = 1400.00' SE = 0.07 RUNOFF = SEE PLANS	PI Sta 13448.53 G ₂ = 2.42 28' D = 15.36 42' (LT) L = 189.00' T = 57.95' R = 1400.00' SE = 0.07 RUNOFF = SEE PLANS	PI Sta 15472.39 G ₃ = 2.42 28' D = 15.36 42' (LT) L = 189.00' T = 57.95' R = 1400.00' SE = 0.07 RUNOFF = SEE PLANS
--	--	--

-Y16RPA-

PI Sta 14486.41 G ₁ = 2.42 28' D = 15.36 42' (LT) L = 189.00' T = 57.95' R = 1400.00' SE = 0.07 RUNOFF = SEE PLANS	PI Sta 14485.01 G ₂ = 2.42 28' D = 15.36 42' (LT) L = 189.00' T = 57.95' R = 1400.00' SE = 0.07 RUNOFF = SEE PLANS	PI Sta 19406.63 G ₃ = 2.42 28' D = 15.36 42' (LT) L = 189.00' T = 57.95' R = 1400.00' SE = 0.07 RUNOFF = SEE PLANS	PI Sta 21455.27 G ₄ = 2.42 28' D = 15.36 42' (LT) L = 189.00' T = 57.95' R = 1400.00' SE = 0.07 RUNOFF = SEE PLANS	PI Sta 26482.93 G ₅ = 2.42 28' D = 15.36 42' (LT) L = 189.00' T = 57.95' R = 1400.00' SE = 0.07 RUNOFF = SEE PLANS	PI Sta 27488.87 G ₆ = 2.42 28' D = 15.36 42' (LT) L = 189.00' T = 57.95' R = 1400.00' SE = 0.07 RUNOFF = SEE PLANS
--	--	--	--	--	--

-L-

PI Sta 106467.15 G ₁ = 2.42 28' D = 15.36 42' (LT) L = 189.00' T = 57.95' R = 1400.00' SE = 0.07 RUNOFF = SEE PLANS	PI Sta 34496.20 G ₂ = 2.42 28' D = 15.36 42' (LT) L = 189.00' T = 57.95' R = 1400.00' SE = 0.07 RUNOFF = SEE PLANS
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-Y16RPC-

PI Sta 14422.28 G ₁ = 2.42 28' D = 15.36 42' (LT) L = 189.00' T = 57.95' R = 1400.00' SE = 0.07 RUNOFF = SEE PLANS	PI Sta 19401.80 G ₂ = 2.42 28' D = 15.36 42' (LT) L = 189.00' T = 57.95' R = 1400.00' SE = 0.07 RUNOFF = SEE PLANS	PI Sta 20406.86 G ₃ = 2.42 28' D = 15.36 42' (LT) L = 189.00' T = 57.95' R = 1400.00' SE = 0.07 RUNOFF = SEE PLANS	PI Sta 23477.72 G ₄ = 2.42 28' D = 15.36 42' (LT) L = 189.00' T = 57.95' R = 1400.00' SE = 0.07 RUNOFF = SEE PLANS	PI Sta 25432.83 G ₅ = 2.42 28' D = 15.36 42' (LT) L = 189.00' T = 57.95' R = 1400.00' SE = 0.07 RUNOFF = SEE PLANS
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-DR3A-

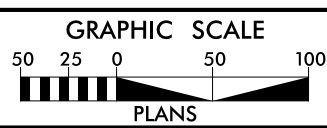
PI Sta 10485.39 G ₁ = 2.42 28' D = 15.36 42' (LT) L = 189.00' T = 57.95' R = 1400.00' SE = 0.07 RUNOFF = SEE PLANS	PI Sta 14485.56 G ₂ = 2.42 28' D = 15.36 42' (LT) L = 189.00' T = 57.95' R = 1400.00' SE = 0.07 RUNOFF = SEE PLANS	PI Sta 14420.61 G ₃ = 2.42 28' D = 15.36 42' (LT) L = 189.00' T = 57.95' R = 1400.00' SE = 0.07 RUNOFF = SEE PLANS
--	--	--

PROJECT REFERENCE NO. 1-5887
SHEET NO. 25

ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER

DATE: 02/23/21
SCALE: AS SHOWN
PROJECT: SR 1808 (JONESBORO RD.)

UNLESS ALL SIGNATURES COMPLETED



NOTE: DRIVEWAY RADII = 10' UNLESS SHOWN OTHERWISE

FOR -L- PROFILE SEE SHEET 76 & 77
FOR -Y16- PROFILE SEE SHEET 07
FOR -Y16RPA- PROFILE SEE SHEET 108 & 109
FOR -Y16RPC- PROFILE SEE SHEET 109
FOR -Y16RPD- PROFILE SEE SHEET 110
FOR -Y16RPS- PROFILE SEE SHEET 111
FOR -DR3A- PROFILE SEE SHEET 129

8/17/19

PROJECT REFERENCE NO. 1-5883		SHEET NO. 26	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		SEAL 26971	
Susan C. Lancaster 7/6/2021		Joshua G. Dalton 7/6/2021	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
Michael Baker Engineering, Inc. 10000 Research Pkwy Suite 600 Charlotte, NC 28218 Tel: 704.366.1000 Fax: 704.366.1001 www.mbakeng.com		SUNGATE DESIGN GROUP, P.A. 622 JAMES FRANKER ROAD RALEIGH, NORTH CAROLINA 27604 Tel: 919.876.1000 Fax: 919.876.1001 www.sungategroup.com	

-DR3-

PI Sta 17+33.13 Δ = 16° 09' 49" (RT) D = 3° 02' 52" L = 530.37' T = 266.96' R = 1880.00' SE = 0.02	PI Sta 22+30.62 Δ = 1° 29' 36" (RT) D = 0° 19' 08" L = 468.13' T = 234.08' R = 17960.00' SE = 0.02
--	--

109 RD WEEKS ESTATE LLC
DB 3442 PG 920
PB 2005 PG 1055

906 JAMES MASSENGILL
DB 2469 PG 191
PB 2005 PG 1055

905 CHERYL FERGUSON
DB 3225 PG 866
PB 2005 PG 1055

207 ROGER & LUCILLE MAY
DB 1748 PG 485
PB 2003 PG 375

208 RT RENTALS LLC
DB 3413 PG 397

209 RT RENTALS LLC
DB 3381 PG 763

128 FOUR OAKS INVESTMENT LLC
DB 3278 PG 341

130 MICHAEL VARSHO JR.
DB 613 PG 199

129 DORIS SEWELL
DB 809 PG 849

-SR15-

PI Sta 30+48.66 Δ = 26° 49' 36.4" (RT) D = 4° 18' 28.6" L = 622.73' T = 317.18' R = 1,330.00' SE = 0.06	PI Sta 1106+67.15 Δ = 18° 38' 06" (LT) D = 0° 30' 04" L = 3718.83' T = 1875.98' R = 11434.12' SE = 0.025 RUNOFF = SEE PLANS
---	--

-L-

PI Sta 1125+59.34 Δs = 0° 22' 15" Ls = 148.00' LT = 98.67' ST = 49.33'
--

NOTE: DRIVEWAY RADII = 10'
UNLESS SHOWN OTHERWISE

FOR -L- PROFILE SEE SHEET 77
FOR -Y16RPA- PROFILE SEE SHEET 108
FOR -SR15- PROFILE SEE SHEET 120
FOR -DR3- PROFILE SEE SHEET 129

REVISIONS

MATCH TO -L- POC Sta. 1115+00.00 - SHEET 25

MATCH TO -SR15- POT Sta. 25+00.00 - SHEET 61

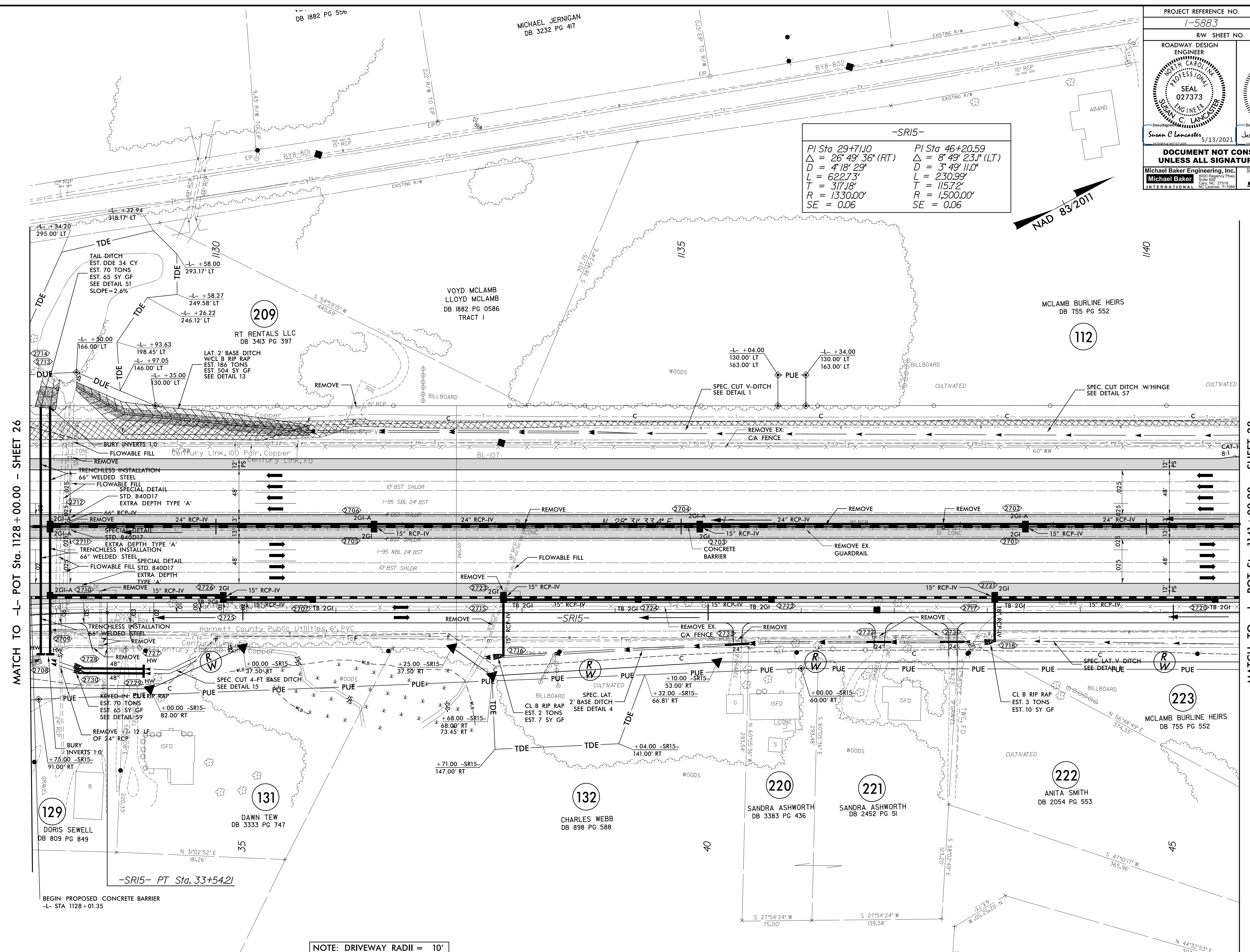
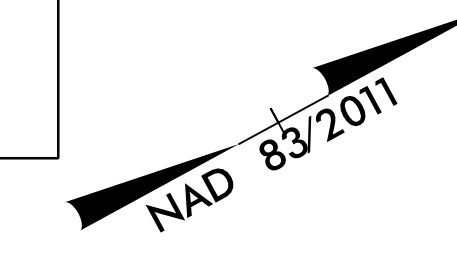
MATCH TO -L- POT Sta. 1128+00.00 - SHEET 27

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PROJECT REFERENCE NO. 1-5883		SHEET NO. 27	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		SEAL 26971	
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 Pkwy Suite 600 Durham, NC 27618 Tel: 919.286.1000 Fax: 919.286.1001 www.mbakeng.com		SUNGATE DESIGN GROUP, P.A. 200 ZONES FRANKLIN ROAD RALEIGH, NORTH CAROLINA 27617 Tel: 919.877.1000 Fax: 919.877.1001 www.sungate.com	

-SRI5-

PI Sta 29+71.10	PI Sta 46+20.59
$\Delta = 26^{\circ}49'36"$ (RT)	$\Delta = 8^{\circ}49'23.1"$ (LT)
$D = 4'18"29"$	$D = 3'49'11.0"$
$L = 622.73'$	$L = 230.99'$
$T = 317.18'$	$T = 115.72'$
$R = 1330.00'$	$R = 1500.00'$
$SE = 0.06$	$SE = 0.06$



MATCH TO -L- POT Sta. 1128 + 00.00 - SHEET 26

MATCH TO -L- POT Sta. 1141 + 00.00 - SHEET 28

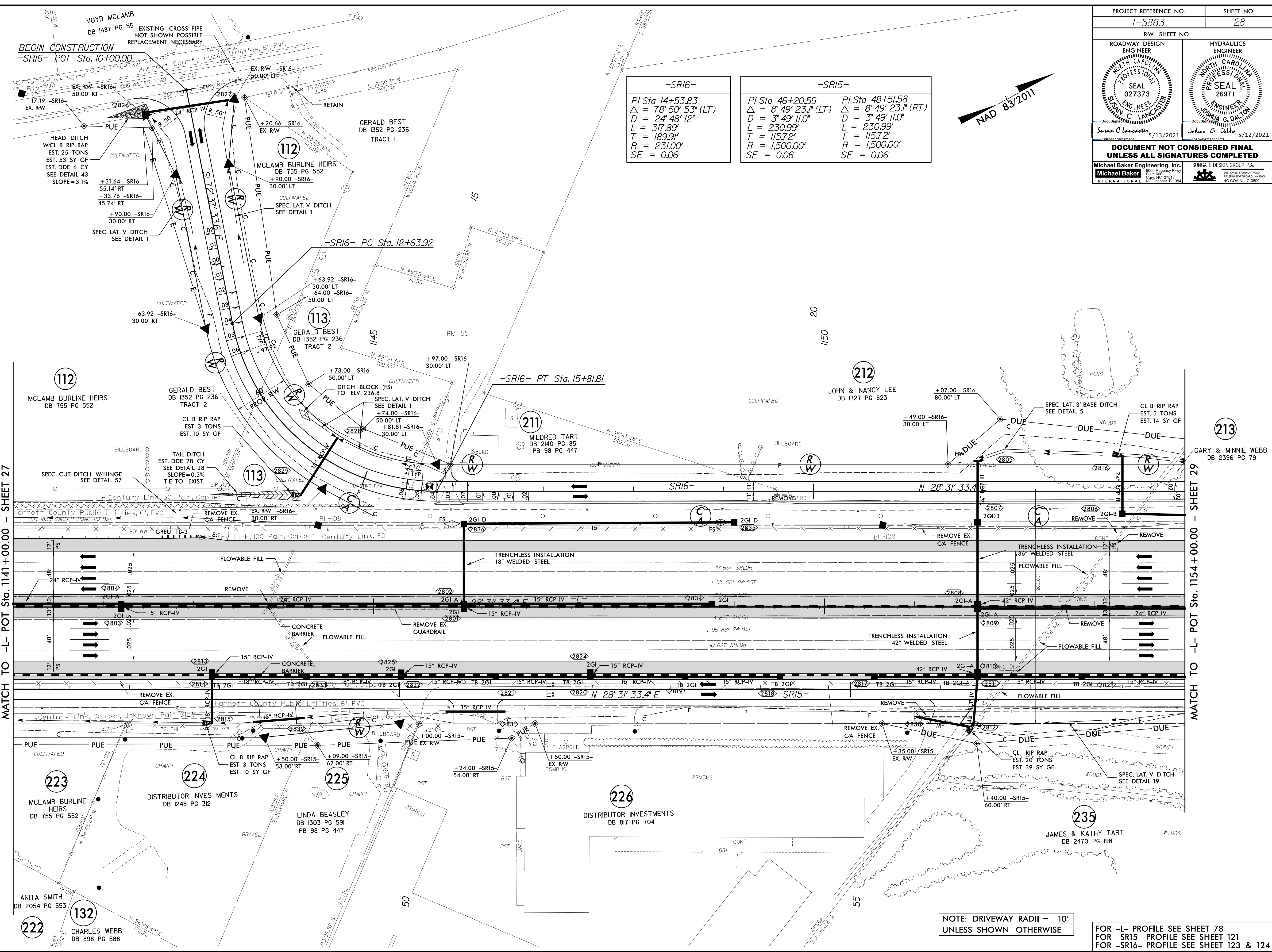
NOTE: DRIVEWAY RADII = 10'
UNLESS SHOWN OTHERWISE

FOR -L- PROFILE SEE SHEET 78
FOR -SRI5- PROFILE SEE SHEET 120 & 121

8/17/19
REVISIONS
03 APR 2021 08:40 L:\598668_Rdy_psh_27.dgn
03 APR 2021 08:40 L:\598668_Rdy_psh_27.dgn

PROJECT REFERENCE NO. 1-5883		SHEET NO. 28	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER SUNGATE DESIGN GROUP, P.A. SEAL 027373 SUNGATE DESIGN GROUP, P.A. C. LANCASTER 5/13/2021		HYDRAULICS ENGINEER SUNGATE DESIGN GROUP, P.A. SEAL 26971 SUNGATE DESIGN GROUP, P.A. J. DALTON 5/12/2021	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
Michael Baker Engineering, Inc. 1000 Regency Place Suite 600 Durham, NC 27618 Tel: 919.286.1000 Fax: 919.286.1001 NC License: P-1084		SUNGATE DESIGN GROUP, P.A. 602 JONES FRANKLIN ROAD RALEIGH, NORTH CAROLINA 27618 NC License: P-1084	

-SR16-	-SR15-	
PI Sta 14+53.83	PI Sta 46+20.59	PI Sta 48+51.58
$\Delta = 78^{\circ} 50' 53''$ (LT)	$\Delta = 8^{\circ} 49' 23.1''$ (LT)	$\Delta = 8^{\circ} 49' 23.1''$ (RT)
$D = 24' 48' 12''$	$D = 3' 49' 11.0''$	$D = 3' 49' 11.0''$
$L = 317.89'$	$L = 230.99'$	$L = 230.99'$
$T = 189.91'$	$T = 115.72'$	$T = 115.72'$
$R = 231.00'$	$R = 1,500.00'$	$R = 1,500.00'$
$SE = 0.06$	$SE = 0.06$	$SE = 0.06$



MATCH TO -L- POT Sta. 1141+00.00 - SHEET 27

MATCH TO -L- POT Sta. 1154+00.00 - SHEET 29

NOTE: DRIVEWAY RADII = 10' UNLESS SHOWN OTHERWISE

FOR -L- PROFILE SEE SHEET 78
FOR -SR15- PROFILE SEE SHEET 121
FOR -SR16- PROFILE SEE SHEET 123 & 124

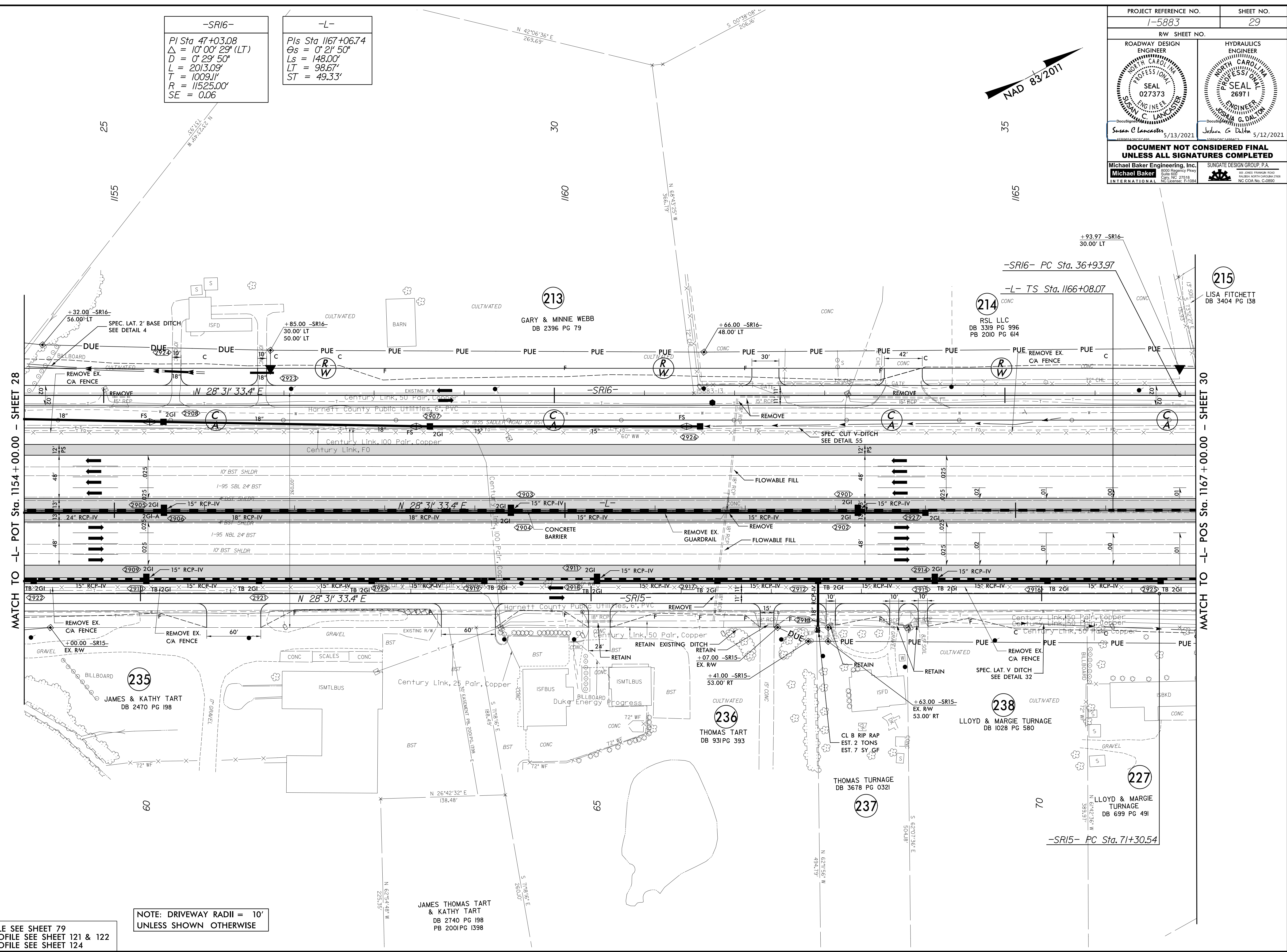
REVISIONS

8/17/19
06-APR-2021 15:07
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PROJECT REFERENCE NO. 1-5883		SHEET NO. 29	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
Susan C. Lancaster 5/13/2021		Joshua G. Dalton 5/12/2021	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			



-SR16-	-L-
PI Sta 47+03.08 $\Delta = 10^{\circ} 00' 29"$ (LT) $D = 0^{\circ} 29' 50"$ $L = 2013.09'$ $T = 1009.11'$ $R = 11525.00'$ $SE = 0.06$	Pls Sta 1167+06.74 $\Theta_s = 0^{\circ} 21' 50"$ $L_s = 148.00'$ $LT = 98.67'$ $ST = 49.33'$



MATCH TO -L- POT Sta. 1154+00.00 - SHEET 28

MATCH TO -L- POS Sta. 1167+00.00 - SHEET 30

NOTE: DRIVEWAY RADII = 10'
UNLESS SHOWN OTHERWISE

FOR -L- PROFILE SEE SHEET 79
FOR -SR15- PROFILE SEE SHEET 121 & 122
FOR -SR16- PROFILE SEE SHEET 124

8/17/19

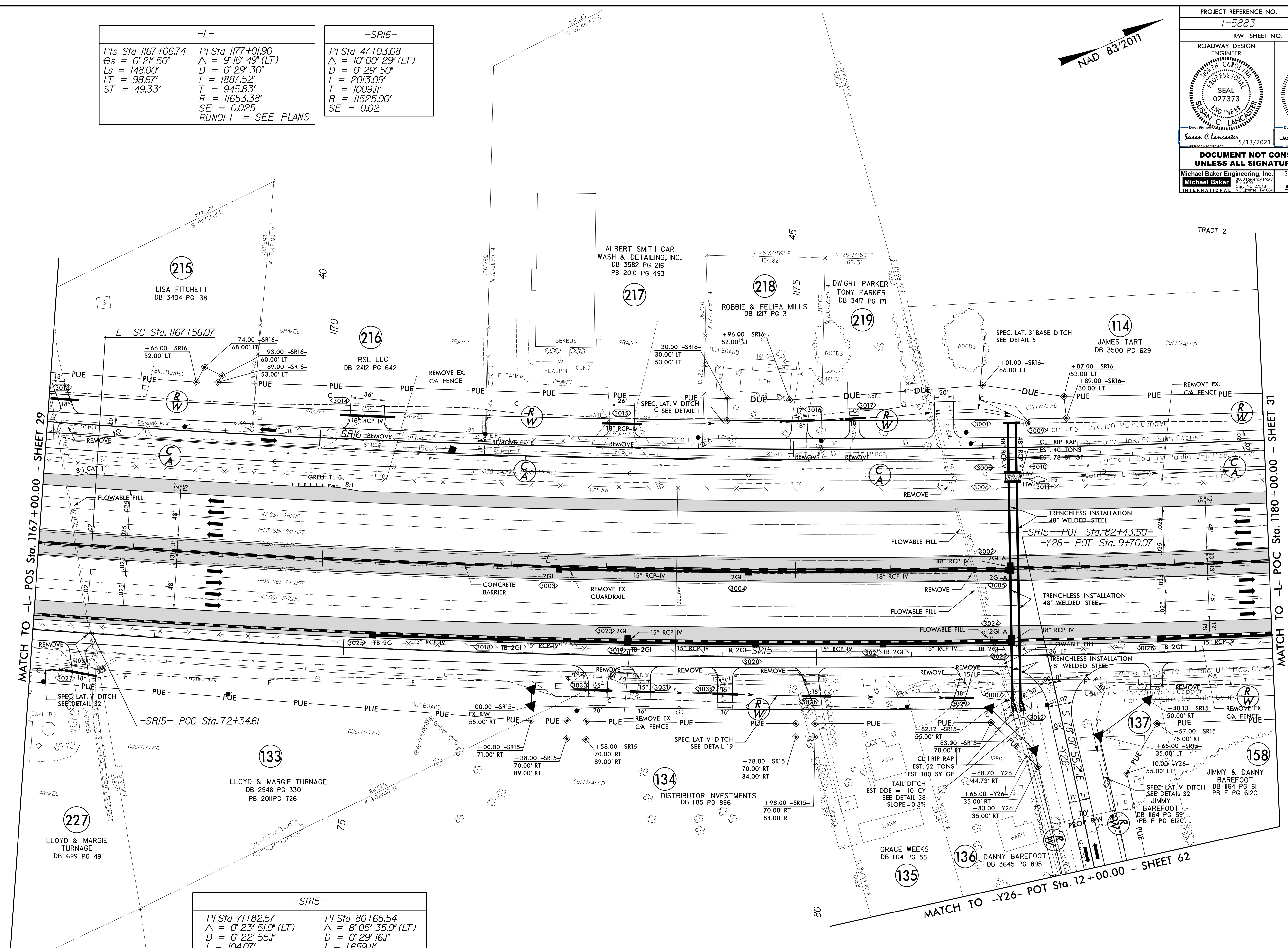
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8:38:38 AM 5/13/2021

PROJECT REFERENCE NO. 1-5883		SHEET NO. 30	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER SUNGATE DESIGN GROUP, P.A. SEAL 027373 SUNGATE DESIGN GROUP, P.A. SUNGATE DESIGN GROUP, P.A.		HYDRAULICS ENGINEER SUNGATE DESIGN GROUP, P.A. SEAL 26971 SUNGATE DESIGN GROUP, P.A. SUNGATE DESIGN GROUP, P.A.	
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 Ruffalo Parkway Suite 600 Cary, NC 27513 Michael Baker International NC License: P-1084		SUNGATE DESIGN GROUP, P.A. 602 ZONES FRANKLIN ROAD RALEIGH, NORTH CAROLINA 27604 NC License: C-48890	

-L-	
PIs Sta 1167+06.74	PI Sta 1177+01.90
$\Delta = 0^\circ 21' 50''$	$\Delta = 9^\circ 16' 49''$ (LT)
$L = 148.00'$	$D = 0^\circ 29' 30''$
$LT = 98.67'$	$L = 1887.52'$
$ST = 49.33'$	$T = 945.83'$
	$R = 11653.38'$
	$SE = 0.025$
	RUNOFF = SEE PLANS

-SR16-	
PI Sta 47+03.08	$\Delta = 10^\circ 00' 29''$ (LT)
$D = 0^\circ 29' 50''$	$L = 2013.09'$
$T = 1009.11'$	$R = 11525.00'$
$SE = 0.02$	

-SR15-	
PI Sta 71+82.57	PI Sta 80+65.54
$\Delta = 0^\circ 23' 51.0''$ (LT)	$\Delta = 8^\circ 05' 35.0''$ (LT)
$D = 0^\circ 22' 55.1''$	$D = 0^\circ 29' 16.1''$
$L = 104.07'$	$L = 1659.11'$
$T = 52.03'$	$T = 830.94'$
$R = 15,000.00'$	$R = 11,745.88'$
$SE = NC$	$SE = NC$



NOTE: DRIVEWAY RADII = 10'
UNLESS SHOWN OTHERWISE

FOR -L- PROFILE SEE SHEET 79
FOR -SR15- PROFILE SEE SHEET 122
FOR -SR16- PROFILE SEE SHEET 124 & 125
FOR -Y26- PROFILE SEE SHEET 117

REVISIONS

8/17/19

06-APR-2021 15:07
N:\1-5883\68_Rdy_psh_30.dgn

PROJECT REFERENCE NO. 1-5883	SHEET NO. 31
RW SHEET NO.	
ROADWAY DESIGN ENGINEER SUNGATE DESIGN GROUP, P.A. SEAL 027373 SUNGATE DESIGN GROUP, P.A. SUNGATE DESIGN GROUP, P.A. SUNGATE DESIGN GROUP, P.A.	HYDRAULICS ENGINEER SUNGATE DESIGN GROUP, P.A. SEAL 26971 SUNGATE DESIGN GROUP, P.A. SUNGATE DESIGN GROUP, P.A. SUNGATE DESIGN GROUP, P.A.
Susan C. Lancelotti 5/13/2021	Joshua G. Dalton 5/12/2021
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Michael Baker Engineering, Inc. 4000 Regency Place Suite 600 Raleigh, NC 27618 INTERNATIONAL NC License: P-1084	SUNGATE DESIGN GROUP, P.A. 62 JONES FRANKER ROAD RALEIGH, NORTH CAROLINA 27618 NC License: C-4890

-L-

PI Sta 1177+01.90 Δ = 9° 16' 49" (LT) D = 0° 29' 30" L = 1887.52' T = 945.83' R = 11653.38' SE = 0.025 RUNOFF = SEE PLANS	PIs Sta 1186+92.92 Θs = 0° 21' 50" Ls = 148.00' LT = 98.67' ST = 49.33'
--	---

-Y17RPB-

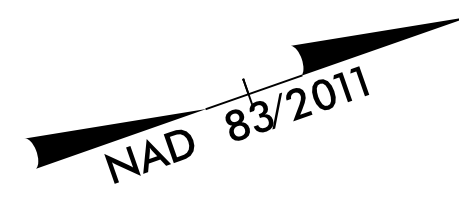
PIs Sta 11+26.02 Θs = 2° 58' 30" Ls = 189.00' LT = 126.02' ST = 63.02'
--

-SR16-

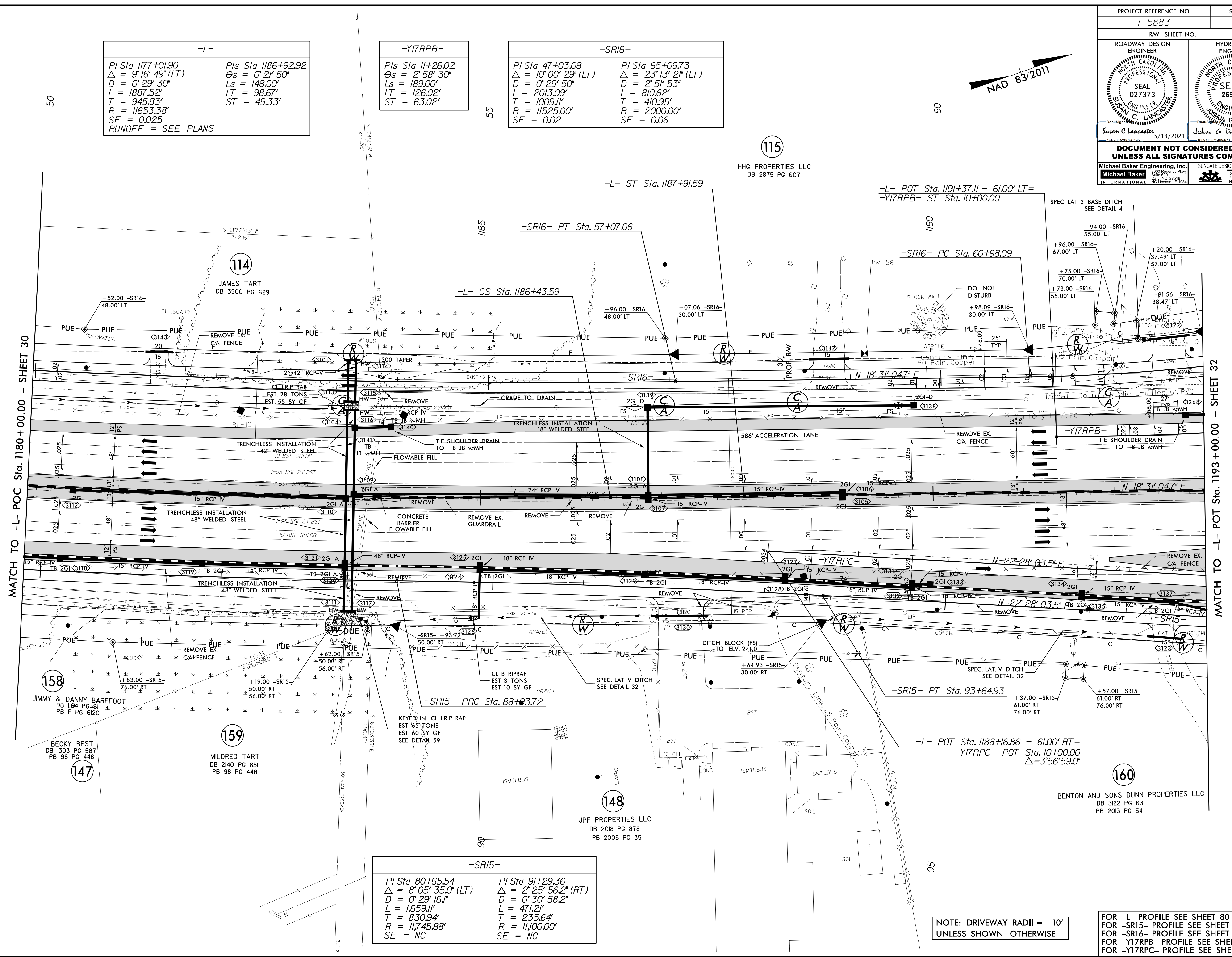
PI Sta 47+03.08 Δ = 10° 00' 29" (LT) D = 0° 29' 50" L = 2013.09' T = 1009.11' R = 11525.00' SE = 0.02	PI Sta 65+09.73 Δ = 23° 13' 21" (LT) D = 2° 51' 53" L = 810.62' T = 410.95' R = 2000.00' SE = 0.06
---	--

-SR15-

PI Sta 80+65.54 Δ = 8° 05' 35.0" (LT) D = 0° 29' 16.1" L = 1,659.11' T = 830.94' R = 11,745.88' SE = NC	PI Sta 91+29.36 Δ = 2° 25' 56.2" (RT) D = 0° 30' 58.2" L = 471.21' T = 235.64' R = 11,000.00' SE = NC
---	---



115
HHG PROPERTIES LLC
DB 2875 PG 607



MATCH TO -L- POC Sta. 1180+00.00 - SHEET 30

MATCH TO -L- POT Sta. 1193+00.00 - SHEET 32

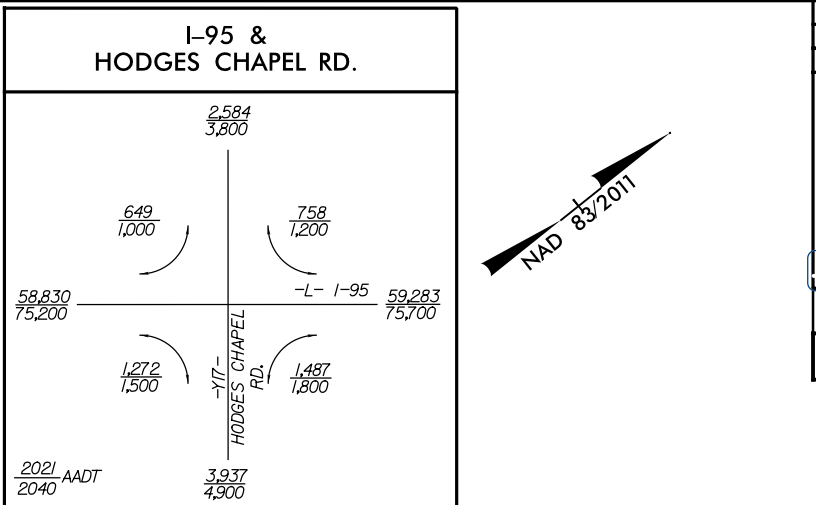
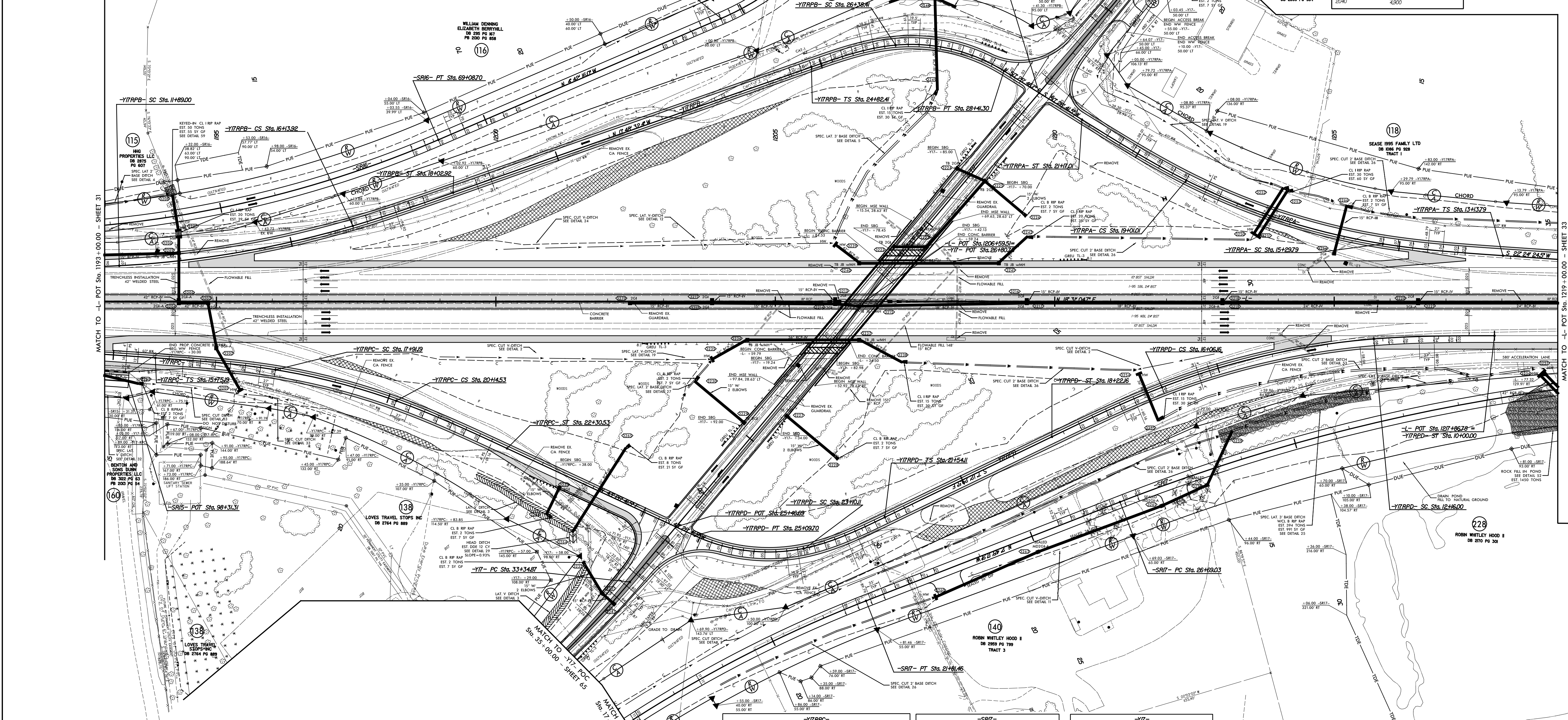
NOTE: DRIVEWAY RADII = 10'

FOR -L- PROFILE SEE SHEET 80
FOR -SR15- PROFILE SEE SHEET 122 & 123
FOR -SR16- PROFILE SEE SHEET 125
FOR -Y17RPB- PROFILE SEE SHEET 114
FOR -Y17RPC- PROFILE SEE SHEET 115

REVISIONS

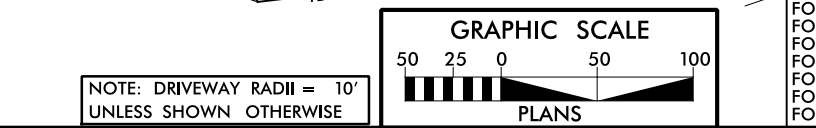
NO.	DATE	DESCRIPTION
1	02/22/2021	ISSUED FOR PERMIT

-YTRPB-				-YTRPA-			
PI Sta 11+42.02 Ea = 2' 58" 30" Ls = 189.00' Lt = 126.00' T = 213.43' SE = 0.02' RUNOFF = SEE PLANS	PI Sta 14+02.43 Ea = 13' 28" 37" (LT) Ls = 189.00' Lt = 126.00' T = 213.43' SE = 0.02' RUNOFF = SEE PLANS	PI Sta 16+76.24 Ea = 2' 58" 30" Ls = 189.00' Lt = 126.00' T = 213.43' SE = 0.02' RUNOFF = SEE PLANS	PI Sta 22+58.45 Ea = 14' 13" 58" Ls = 189.00' Lt = 126.00' T = 213.43' SE = 0.02' RUNOFF = SEE PLANS	PI Sta 27+43.54 Ea = 37' 01" (RT) Ls = 189.00' Lt = 126.00' T = 213.43' SE = 0.02' RUNOFF = SEE PLANS	PI Sta 14+51.25 Ea = 5' 09" 24" Ls = 189.00' Lt = 126.00' T = 213.43' SE = 0.02' RUNOFF = SEE PLANS	PI Sta 17+46.89 Ea = 17' 43" 29" (RT) Ls = 189.00' Lt = 126.00' T = 213.43' SE = 0.02' RUNOFF = SEE PLANS	PI Sta 19+73.07 Ea = 3' 09" 24" Ls = 189.00' Lt = 126.00' T = 213.43' SE = 0.02' RUNOFF = SEE PLANS
-YTRPD-				-SIS-			
PI Sta 14+40.5 Ea = 4' 35" 01" Ls = 189.00' Lt = 144.00' R = 1320.00' SE = 0.06' RUNOFF = SEE PLANS	PI Sta 14+12.45 Ea = 15' 13" 32" (LT) Ls = 390.00' Lt = 144.00' R = 1320.00' SE = 0.06' RUNOFF = SEE PLANS	PI Sta 16+76.20 Ea = 4' 35" 01" Ls = 189.00' Lt = 144.00' R = 1320.00' SE = 0.06' RUNOFF = SEE PLANS	PI Sta 22+58.45 Ea = 14' 13" 58" Ls = 189.00' Lt = 104.34' R = 3140.00' SE = 0.06' RUNOFF = SEE PLANS	PI Sta 24+13.41 Ea = 36' 29" 19" (RT) Ls = 189.00' Lt = 104.34' R = 3140.00' SE = 0.06' RUNOFF = SEE PLANS	PI Sta 65+09.03 Ea = 23' 19" 01" (LT) Ls = 802.50' Lt = 40.59' R = 2000.00' SE = 0.06' RUNOFF = SEE PLANS	PI Sta 76+05.87 Ea = 32' 49" 18" (LT) Ls = 296.42' Lt = 147.28' R = 4000.00' SE = 0.06' RUNOFF = SEE PLANS	PI Sta 82+24.82 Ea = 88' 58" 59" (RT) Ls = 621.52' Lt = 300.50' R = 4000.00' SE = 0.06' RUNOFF = SEE PLANS



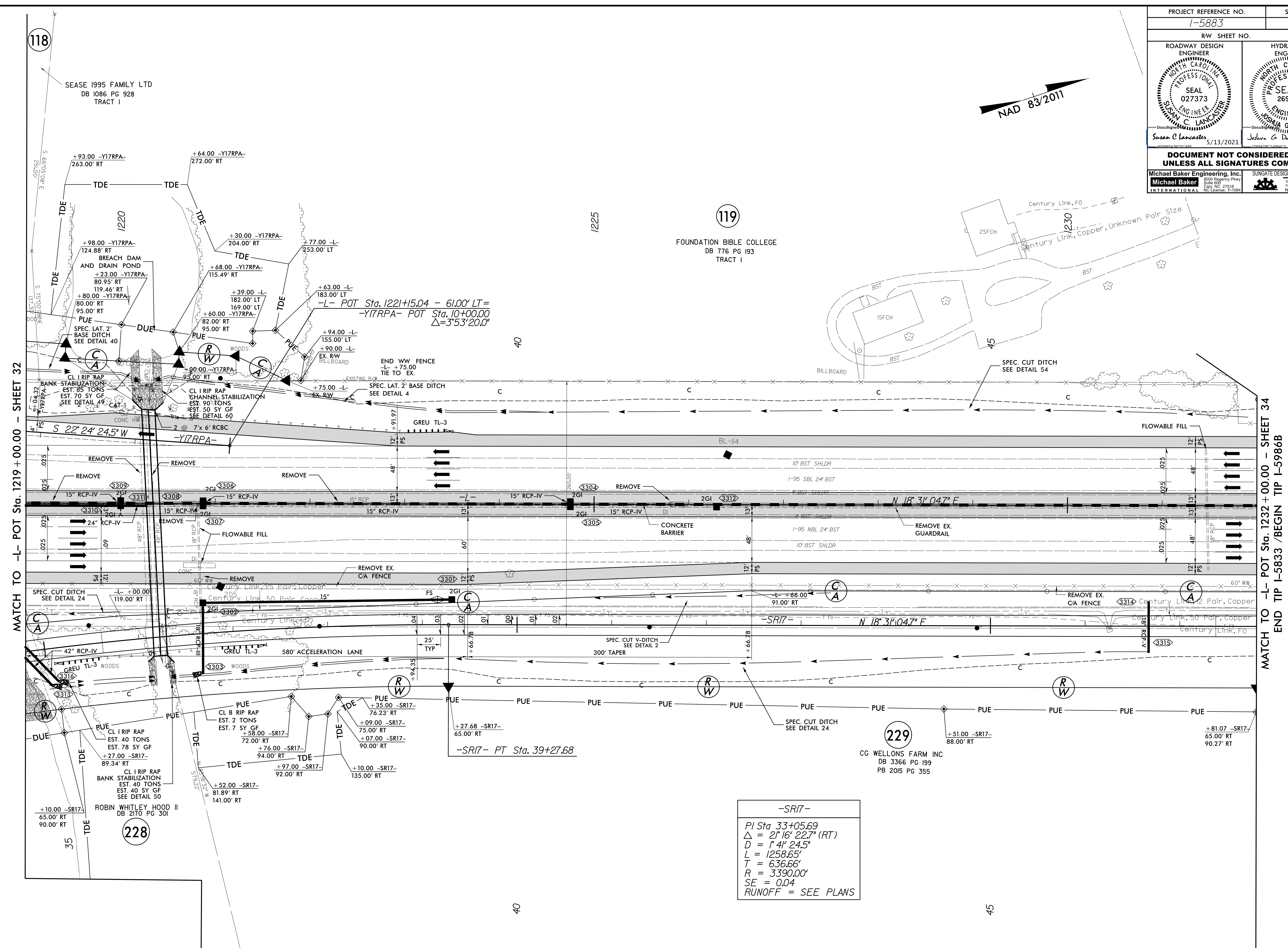
PROJECT REFERENCE NO. 7-5887
 SHEET NO. 32
 ROADWAY DESIGN ENGINEER
 HYDRAULICS ENGINEER
 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
 DATE: 02/22/2021
 DRAWN BY: JAY
 CHECKED BY: JAY
 SEAL NO. 2871
 JAMES & DAINE YOUNG
 DB 2399 PG 324

-YTRPC-				-SR17-				-YTR-			
PI Sta 17+49.25 Ea = 5' 09" 24" Ls = 290.00' Lt = 144.00' T = 213.43' SE = 0.02' RUNOFF = SEE PLANS	PI Sta 19+03.18 Ea = 10' 39" 55" (RT) Ls = 290.00' Lt = 144.00' T = 213.43' SE = 0.02' RUNOFF = SEE PLANS	PI Sta 20+46.59 Ea = 5' 09" 24" Ls = 290.00' Lt = 144.00' T = 213.43' SE = 0.02' RUNOFF = SEE PLANS	PI Sta 18+13.27 Ea = 17' 18" 27" (RT) Ls = 290.00' Lt = 144.00' T = 213.43' SE = 0.02' RUNOFF = SEE PLANS	PI Sta 33+05.69 Ea = 97' 16" 22" (RT) Ls = 144.00' Lt = 144.00' T = 213.43' SE = 0.02' RUNOFF = SEE PLANS	PI Sta 16+42.71 Ea = 15' 80" 20" (LT) Ls = 328.33' Lt = 49.478' T = 213.43' SE = 0.02' RUNOFF = SEE PLANS	PI Sta 35+08.75 Ea = 17' 32" 46" (RT) Ls = 319.50' Lt = 346.57' T = 213.43' SE = 0.02' RUNOFF = SEE PLANS	PI Sta 35+08.75 Ea = 17' 32" 46" (RT) Ls = 319.50' Lt = 346.57' T = 213.43' SE = 0.02' RUNOFF = SEE PLANS	PI Sta 35+08.75 Ea = 17' 32" 46" (RT) Ls = 319.50' Lt = 346.57' T = 213.43' SE = 0.02' RUNOFF = SEE PLANS	PI Sta 35+08.75 Ea = 17' 32" 46" (RT) Ls = 319.50' Lt = 346.57' T = 213.43' SE = 0.02' RUNOFF = SEE PLANS	PI Sta 35+08.75 Ea = 17' 32" 46" (RT) Ls = 319.50' Lt = 346.57' T = 213.43' SE = 0.02' RUNOFF = SEE PLANS	PI Sta 35+08.75 Ea = 17' 32" 46" (RT) Ls = 319.50' Lt = 346.57' T = 213.43' SE = 0.02' RUNOFF = SEE PLANS



FOR -L- PROFILE SEE SHEET 80 & 81
 FOR -YTR- PROFILE SEE SHEET 102
 FOR -YTRPB- PROFILE SEE SHEET 113
 FOR -YTRPA- PROFILE SEE SHEET 114
 FOR -YTRPD- PROFILE SEE SHEET 115
 FOR -SIS- PROFILE SEE SHEET 123
 FOR -SR16- PROFILE SEE SHEET 125 & 126
 FOR -SR17- PROFILE SEE SHEET 126 & 127

PROJECT REFERENCE NO. 1-5883	SHEET NO. 33
RW SHEET NO.	
ROADWAY DESIGN ENGINEER SUNGATE DESIGN GROUP, P.A. SEAL 027373 SUNNY C. LANCASTER	HYDRAULICS ENGINEER SUNGATE DESIGN GROUP, P.A. SEAL 26971 JOSHUA G. DALTON
5/13/2021	5/12/2021
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Michael Baker Engineering, Inc. INTERNATIONAL	SUNGATE DESIGN GROUP, P.A.



REVISIONS

07-APR-2021 15:38
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SUNGATE DESIGN GROUP, P.A.

-SR17-

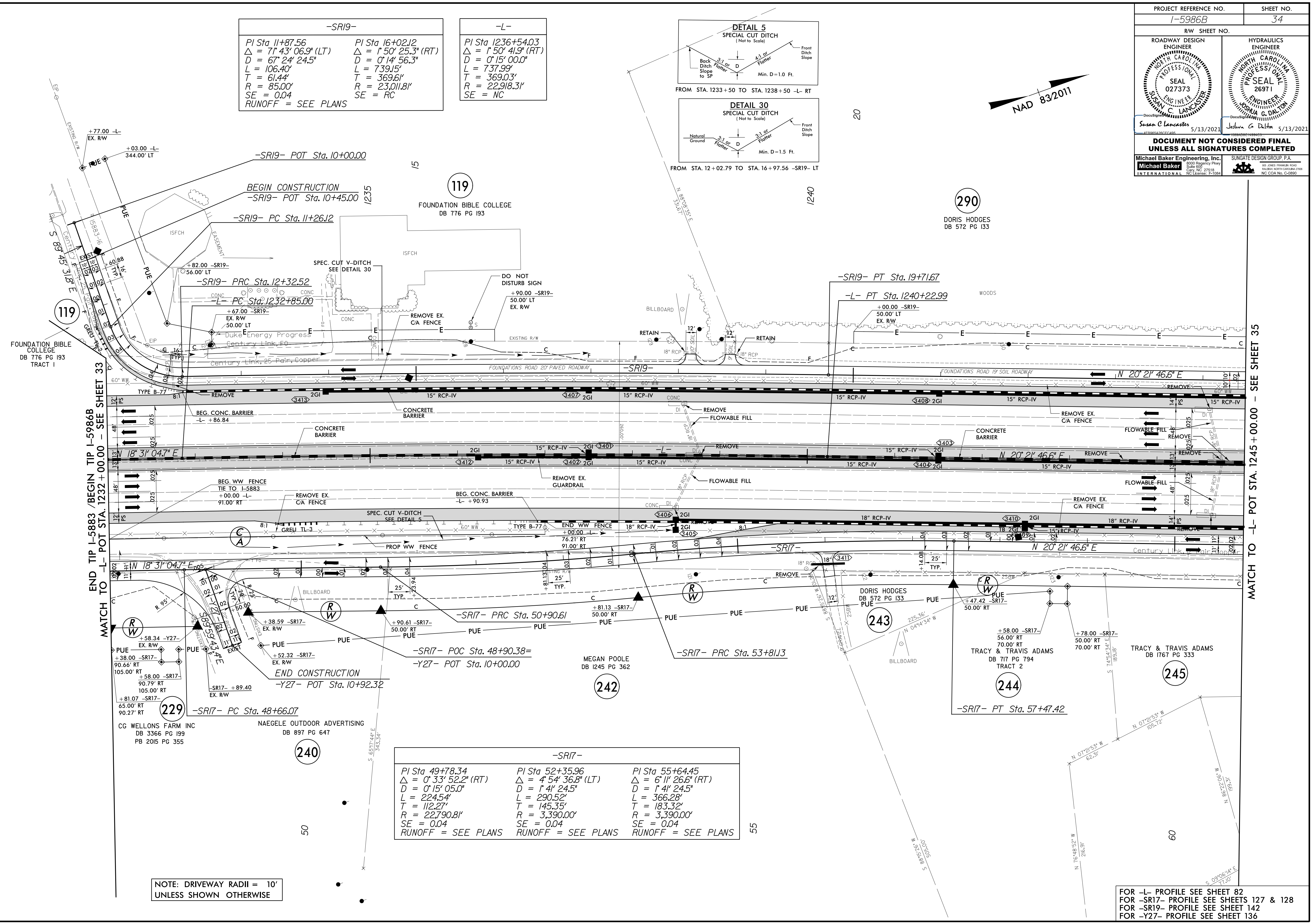
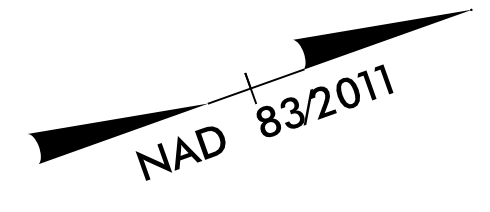
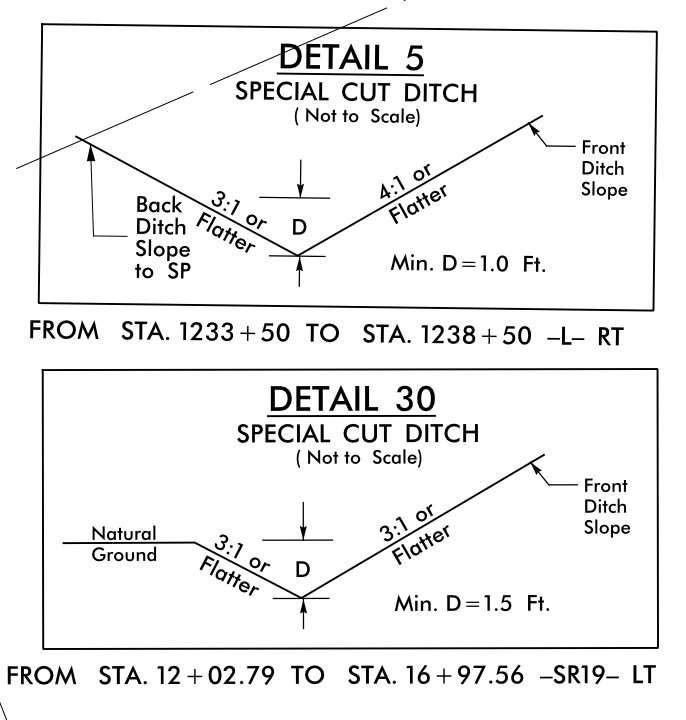
PI Sta 33+05.69
 $\Delta = 21' 16'' 22.7''$ (RT)
 $D = 1' 41'' 24.5''$
 $L = 1258.65'$
 $T = 636.66'$
 $R = 3390.00'$
 $SE = 0.04$
 RUNOFF = SEE PLANS

NOTE: DRIVEWAY RADII = 10'
UNLESS SHOWN OTHERWISE

FOR -L- PROFILE SEE SHEET 81
FOR -Y17RPA- PROFILE SEE SHEET 113
FOR -SR17- PROFILE SEE SHEET 127

PROJECT REFERENCE NO. I-5986B	SHEET NO. 34
RW SHEET NO.	
ROADWAY DESIGN ENGINEER SEAL 027373 SUSAN C LANCASTER	HYDRAULICS ENGINEER SEAL 26971 JOSHUA G DALTON
Design Date: 5/13/2021 Susan C Lancaster	Design Date: 5/13/2021 Joshua G Dalton
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Michael Baker Engineering, Inc. INTERNATIONAL	SUNGATE DESIGN GROUP, P.A. NC CDA No. C-0899

-SR19-		-L-
PI Sta 11+87.56 Δ = 71° 43' 06.9" (LT) D = 67' 24' 24.5" L = 106.40' T = 61.44' R = 85.00' SE = 0.04 RUNOFF = SEE PLANS	PI Sta 16+02.12 Δ = 1° 50' 25.3" (RT) D = 0' 14' 56.3" L = 739.15' T = 369.61' R = 23,011.81' SE = RC	PI Sta 1236+54.03 Δ = 1° 50' 41.9" (RT) D = 0' 15' 00.0" L = 737.99' T = 369.03' R = 22,918.31' SE = NC



END TIP I-5883 / BEGIN TIP I-5986B
MATCH TO -L- POT STA. 1232+00.00 - SEE SHEET 33

MATCH TO -L- POT STA. 1245+00.00 - SEE SHEET 35

-SR17-		
PI Sta 49+78.34 Δ = 0° 33' 52.2" (RT) D = 0' 15' 05.0" L = 224.54' T = 112.27' R = 22,790.81' SE = 0.04 RUNOFF = SEE PLANS	PI Sta 52+35.96 Δ = 4° 54' 36.8" (LT) D = 1' 41' 24.5" L = 290.52' T = 145.35' R = 3,390.00' SE = 0.04 RUNOFF = SEE PLANS	PI Sta 55+64.45 Δ = 6° 11' 26.6" (RT) D = 1' 41' 24.5" L = 366.28' T = 183.32' R = 3,390.00' SE = 0.04 RUNOFF = SEE PLANS

NOTE: DRIVEWAY RADII = 10' UNLESS SHOWN OTHERWISE

FOR -L- PROFILE SEE SHEET 82
FOR -SR17- PROFILE SEE SHEETS 127 & 128
FOR -SR19- PROFILE SEE SHEET 142
FOR -Y27- PROFILE SEE SHEET 136

REVISIONS

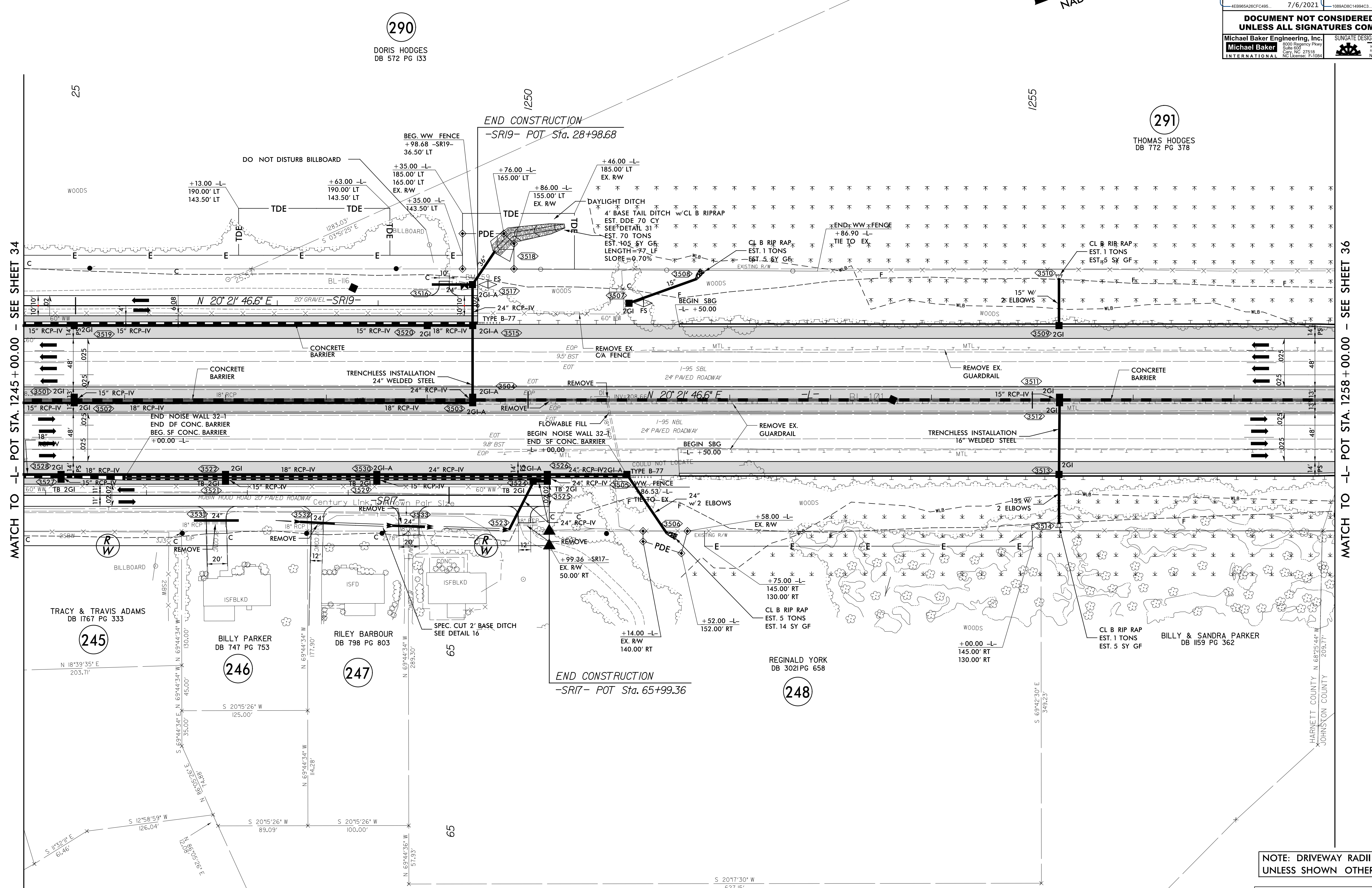
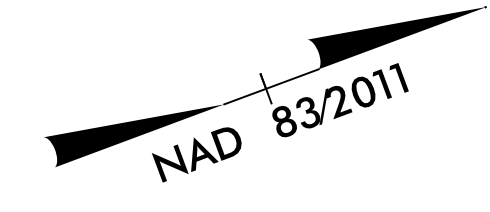
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5/14/99

REVISIONS

01-JUL-2021 12:27 P:\1-5986B.Rdy.psh_35.dgn

PROJECT REFERENCE NO. 1-5986B	SHEET NO. 35
RW SHEET NO.	
ROADWAY DESIGN ENGINEER SUSAN C. LANCASTER SEAL 027373 NORTH CAROLINA PROFESSIONAL ENGINEER	HYDRAULICS ENGINEER JOSHUA G. DARTON SEAL 26971 NORTH CAROLINA PROFESSIONAL ENGINEER
7/6/2021	7/6/2021
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Michael Baker Engineering, Inc. INTERNATIONAL	SUNGATE DESIGN GROUP, P.A.



MATCH TO -L- POT STA. 1245 + 00.00 - SEE SHEET 34

MATCH TO -L- POT STA. 1258 + 00.00 - SEE SHEET 36

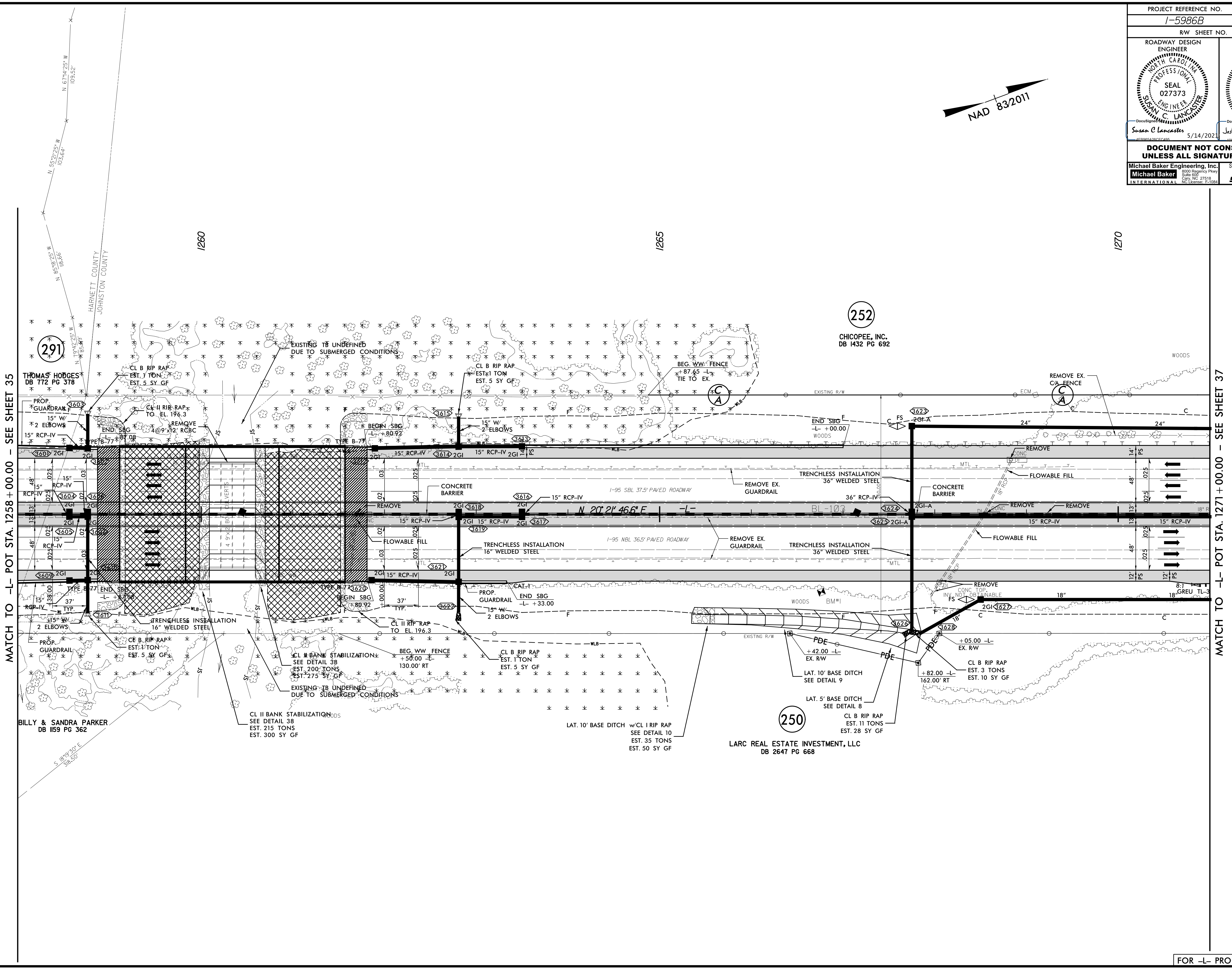
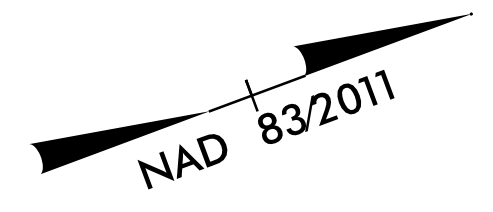
NOTE: DRIVEWAY RADII = 10' UNLESS SHOWN OTHERWISE

FOR -L- PROFILE SEE SHEET 82
FOR -SR17- PROFILE SEE SHEET 128
FOR -SR19- PROFILE SEE SHEET 142

5/14/2021

15-MAY-2021 15:12 L-5986B_Rdy.psh_36.dgn

PROJECT REFERENCE NO. 1-5986B	SHEET NO. 36
RW SHEET NO.	
ROADWAY DESIGN ENGINEER SUSAN C LANCASTER SEAL 027373 NORTH CAROLINA PROFESSIONAL ENGINEER	HYDRAULICS ENGINEER JOSHUA G DALTON SEAL 26971 NORTH CAROLINA PROFESSIONAL ENGINEER
DocuSign Susan C Lancaster 5/14/2021	DocuSign Joshua G Dalton 5/14/2021
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Michael Baker Engineering, Inc. 1800 Piedmont Parkway Suite 800 Cary, NC 27518 Tel: 919.241.1000 Fax: 919.241.1001 www.mbakercorp.com	SUNGATE DESIGN GROUP, P.A. 10000 SunGate Parkway Raleigh, NC 27617 Tel: 919.276.1000 Fax: 919.276.1001 www.sungatedesign.com



MATCH TO -L- POT STA. 1258 + 00.00 - SEE SHEET 35

MATCH TO -L- POT STA. 1271 + 00.00 - SEE SHEET 37

291

265

270

252

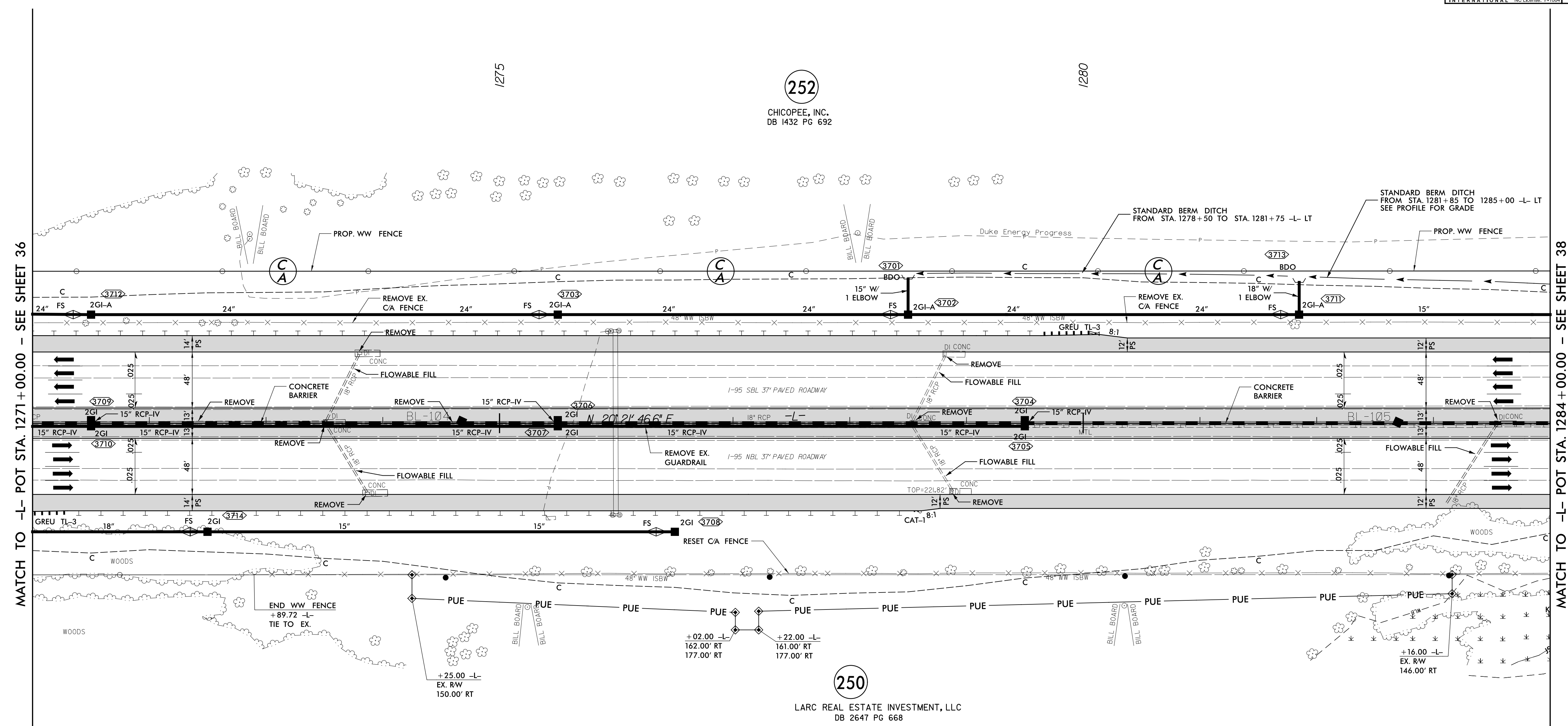
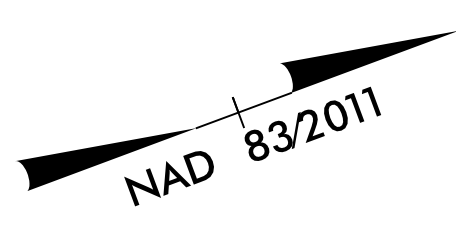
CHICOPEE, INC.
DB 1432 PG 692

250

LARC REAL ESTATE INVESTMENT, LLC
DB 2647 PG 668

BILLY & SANDRA PARKER
DB 1159 PG 362

PROJECT REFERENCE NO. 1-5986B		SHEET NO. 37	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER SUSAN C. LANCASTER SEAL 027373 NORTH CAROLINA PROFESSIONAL ENGINEER		HYDRAULICS ENGINEER JOSHUA G. DALTON SEAL 26971 NORTH CAROLINA PROFESSIONAL ENGINEER	
Susan C. Lancaster 5/13/2021		Joshua G. Dalton 5/12/2021	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
Michael Baker Engineering, Inc. INTERNATIONAL		SUNGATE DESIGN GROUP, P.A.	

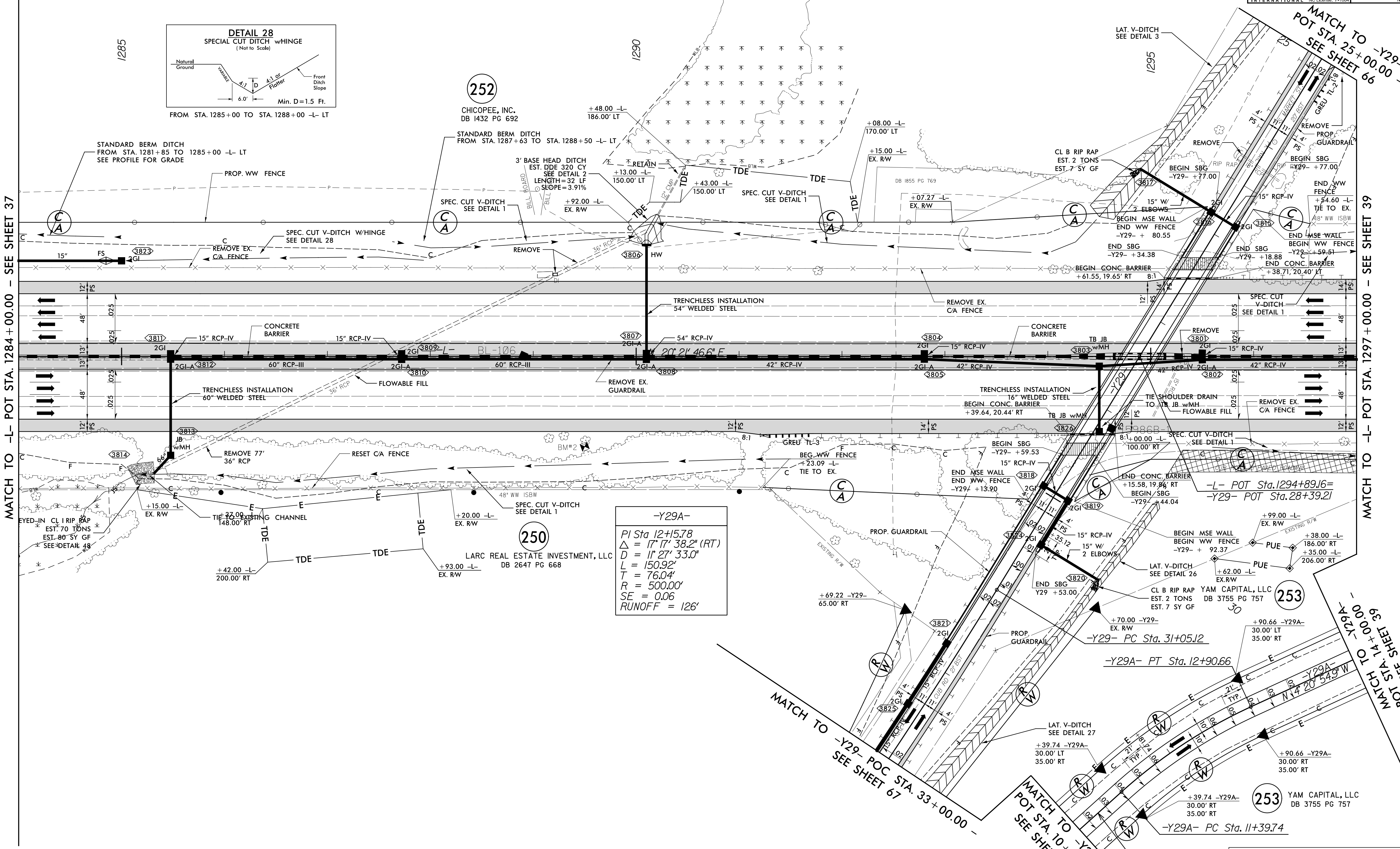
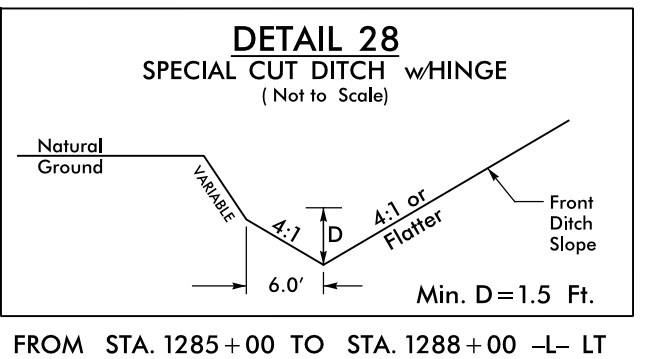
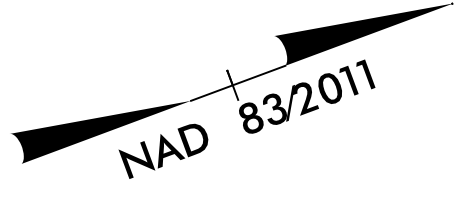


MATCH TO -L- POT STA. 1271+00.00 - SEE SHEET 36

MATCH TO -L- POT STA. 1284+00.00 - SEE SHEET 38

PROJECT REFERENCE NO. 1-5986B		SHEET NO. 38	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER SUSAN C. LANCASTER SEAL 027373 NORTH CAROLINA PROFESSIONAL ENGINEER		HYDRAULICS ENGINEER JOSHUA G. DALTON SEAL 26971 NORTH CAROLINA PROFESSIONAL ENGINEER	
Susan C. Lancaster 5/13/2021		Joshua G. Dalton 5/12/2021	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
Michael Baker Engineering, Inc. 1800 Gregory Drive Suite 800 Cary, NC 27518 NC License: P-1034		SUNGATE DESIGN GROUP, P.A. 10000 Research Road Raleigh, NC 27617 NC License: P-1034	

-Y29-
 PI Sta 32+64.68
 $\Delta = 3^{\circ} 43' 18" (RT)$
 $D = 1^{\circ} 10' 00.0"$
 $L = 319.00'$
 $T = 159.56'$
 $R = 4,911.07'$
 $SE = 0.02$
 RUNOFF = 42'



-Y29A-
 PI Sta 12+15.78
 $\Delta = 17^{\circ} 17' 38.2" (RT)$
 $D = 1^{\circ} 27' 33.0"$
 $L = 150.92'$
 $T = 76.04'$
 $R = 500.00'$
 $SE = 0.06$
 RUNOFF = 126'

MATCH TO -L- POT STA. 1284+00.00 - SEE SHEET 37

MATCH TO -L- POT STA. 1297+00.00 - SEE SHEET 39

MATCH TO -Y29- POT STA. 25+00.00 - SEE SHEET 66

MATCH TO -Y29- POC STA. 33+00.00 - SEE SHEET 67

MATCH TO -Y29A- POT STA. 10+85.00 - SEE SHEET 67

MATCH TO -Y29A- POT STA. 14+00.00 - SEE SHEET 39

FOR -L- PROFILE SEE SHEET 84
 FOR -Y29- PROFILE SEE SHEETS 137 AND 138
 FOR -Y29A- PROFILE SEE SHEET 138

REVISIONS

R:\06-APR-2021\2104-5986B_Rdly_psh_38.dgn