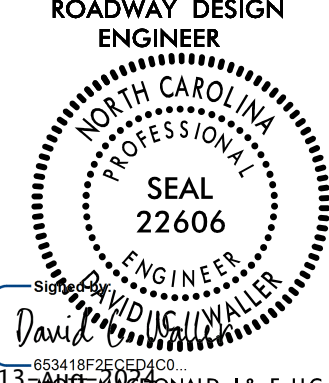
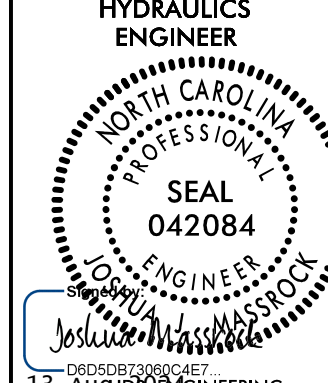

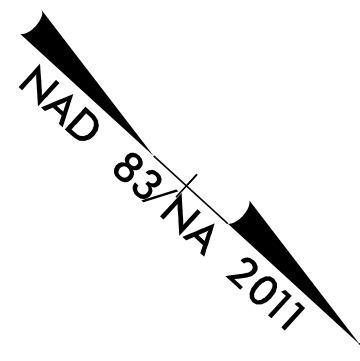
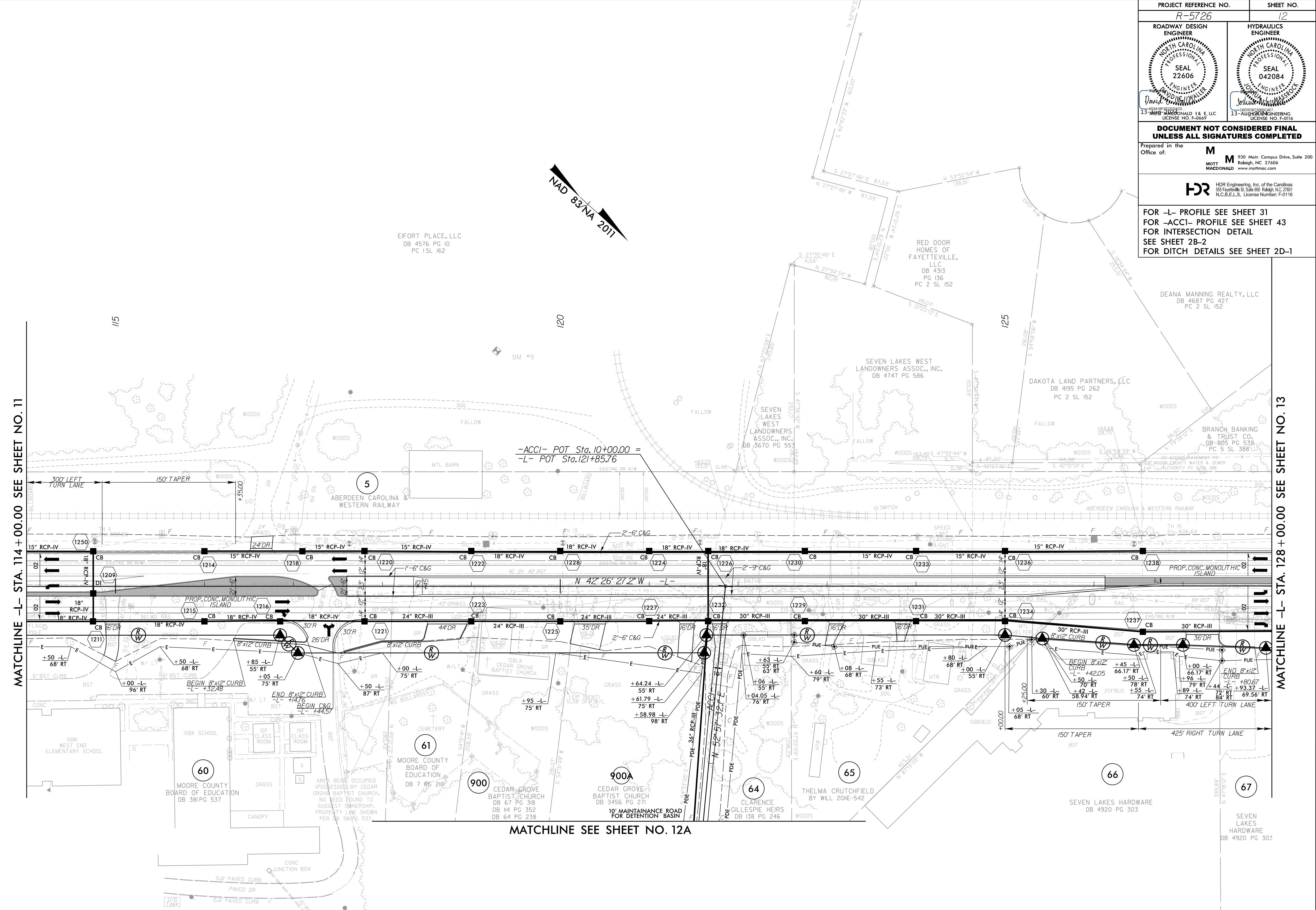


8/17/19

PROJECT REFERENCE NO. R-5726		SHEET NO. 12	
ROADWAY DESIGN ENGINEER 		HYDRAULICS ENGINEER 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
Prepared in the Office of:		M MOTT MACDONALD 930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com	
			
FOR -L- PROFILE SEE SHEET 31 FOR -ACCI- PROFILE SEE SHEET 43 FOR INTERSECTION DETAIL SEE SHEET 2B-2 FOR DITCH DETAILS SEE SHEET 2D-1			



-ACCI- POT Sta. 10+00.00 =
 -L- POT Sta. 121+85.76

MATCHLINE -L- STA. 114 + 00.00 SEE SHEET NO. 11

MATCHLINE -L- STA. 128 + 00.00 SEE SHEET NO. 13

MATCHLINE SEE SHEET NO. 12A

ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

7/28/2024
 R:\Projects\2024\19-0000\19-0000-Proj\19-5726.r.dwg_psh12.dgn
 MAM

8/17/99

PROJECT REFERENCE NO. <i>R-5726</i>	SHEET NO. <i>12A</i>
ROADWAY DESIGN ENGINEER SEAL 22606 MOTT MACDONALD I & E, LLC LICENSE NO. F-0669	HYDRAULICS ENGINEER SEAL 042084 HDR ENGINEERING LICENSE NO. F-0116

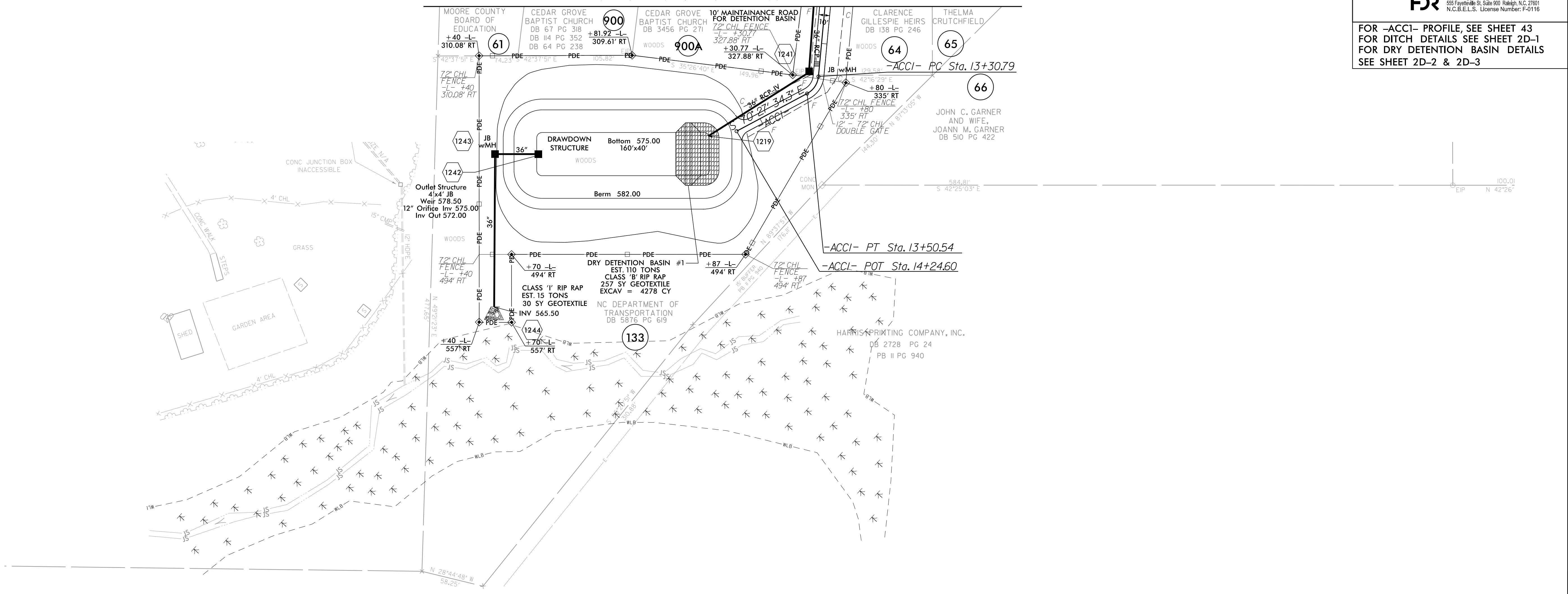
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

Prepared in the Office of: **M**
MOTT MACDONALD
930 Main Campus Drive, Suite 200
Raleigh, NC 27606
www.mottmac.com

HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St., Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

FOR -ACCI- PROFILE, SEE SHEET 43
FOR DITCH DETAILS SEE SHEET 2D-1
FOR DRY DETENTION BASIN DETAILS
SEE SHEET 2D-2 & 2D-3

MATCHLINE SEE SHEET NO. 12



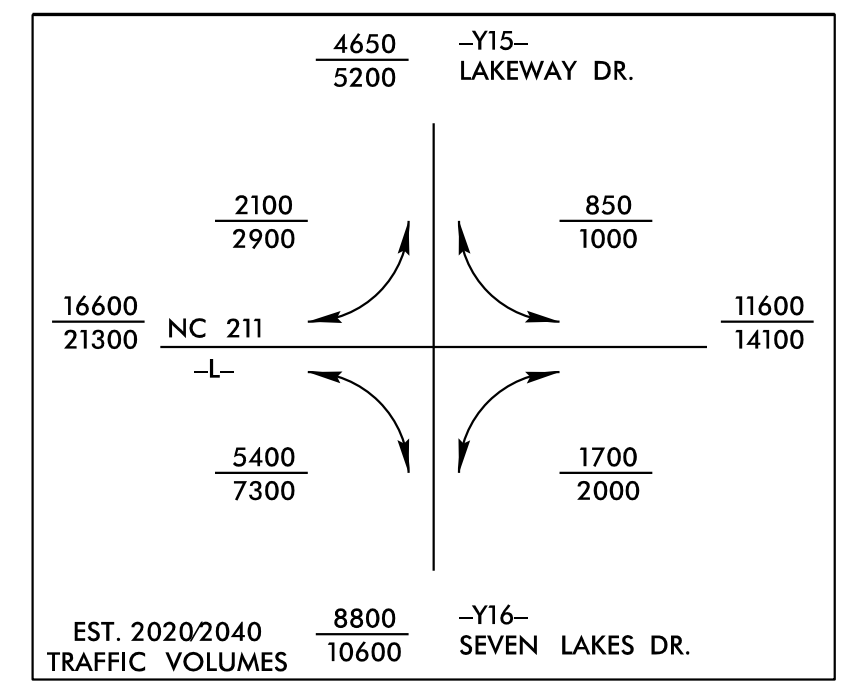
-ACCI-
 PI Sta 13+41.55
 $\Delta = 56' 34" 53.7" (RT)$
 $D = 286' 28" 44.0"$
 $L = 19.75'$
 $T = 10.76'$
 $R = 20.00'$

ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

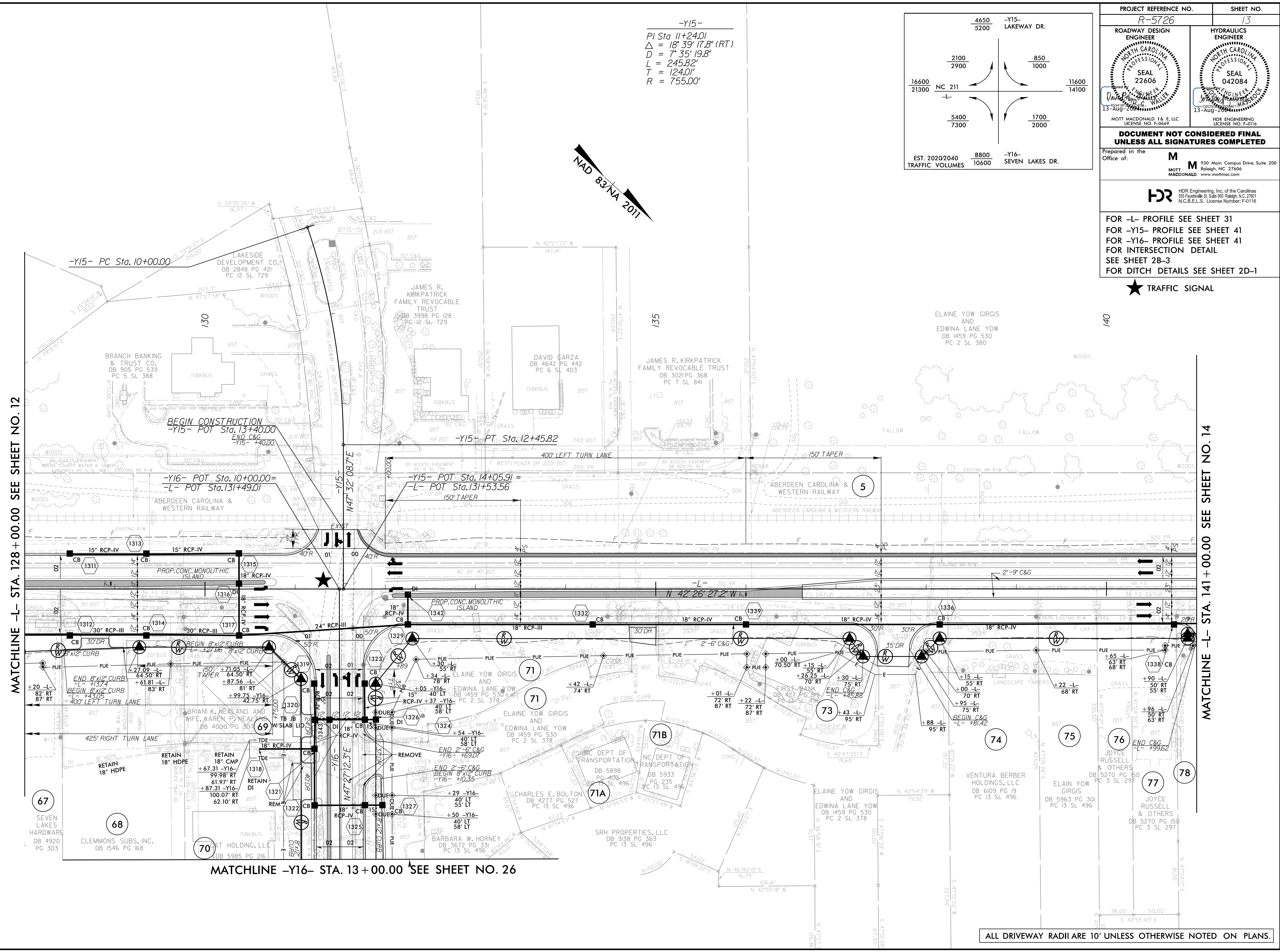
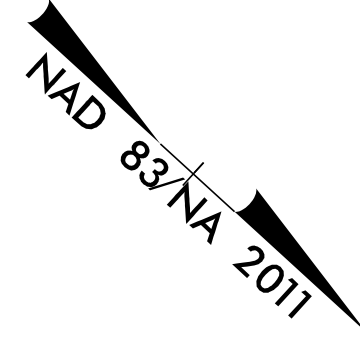
8/1/2024
R:\Projects\5726\Proj\5726_rdy_psh12A.dgn
10/26/2024

8/17/99

PROJECT REFERENCE NO. R-5726		SHEET NO. 13	
ROADWAY DESIGN ENGINEER MOTT MACDONALD & E, LLC 13-AUG-2016		HYDRAULICS ENGINEER MOTT MACDONALD & E, LLC 13-AUG-2016	
SEAL 22606		SEAL 042084	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
Prepared in the Office of: M MOTT MACDONALD			
930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com			
HDR HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116			



-Y15-
PI Sta 11+24.01
 $\Delta = 18^\circ 39' 17.8''$ (RT)
 $D = 7^\circ 35' 19.8''$
 $L = 245.82'$
 $T = 124.01'$
 $R = 755.00'$



MATCHLINE -L- STA. 128 + 00.00 SEE SHEET NO. 12

MATCHLINE -L- STA. 141 + 00.00 SEE SHEET NO. 14

MATCHLINE -Y16- STA. 13 + 00.00 SEE SHEET NO. 26

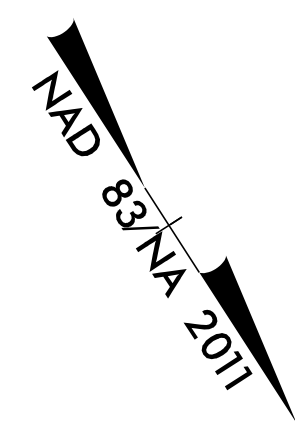
ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

7/29/2024
R:\Projects\4\Proj\5726\rdy_psh13.dgn
MOT 78476

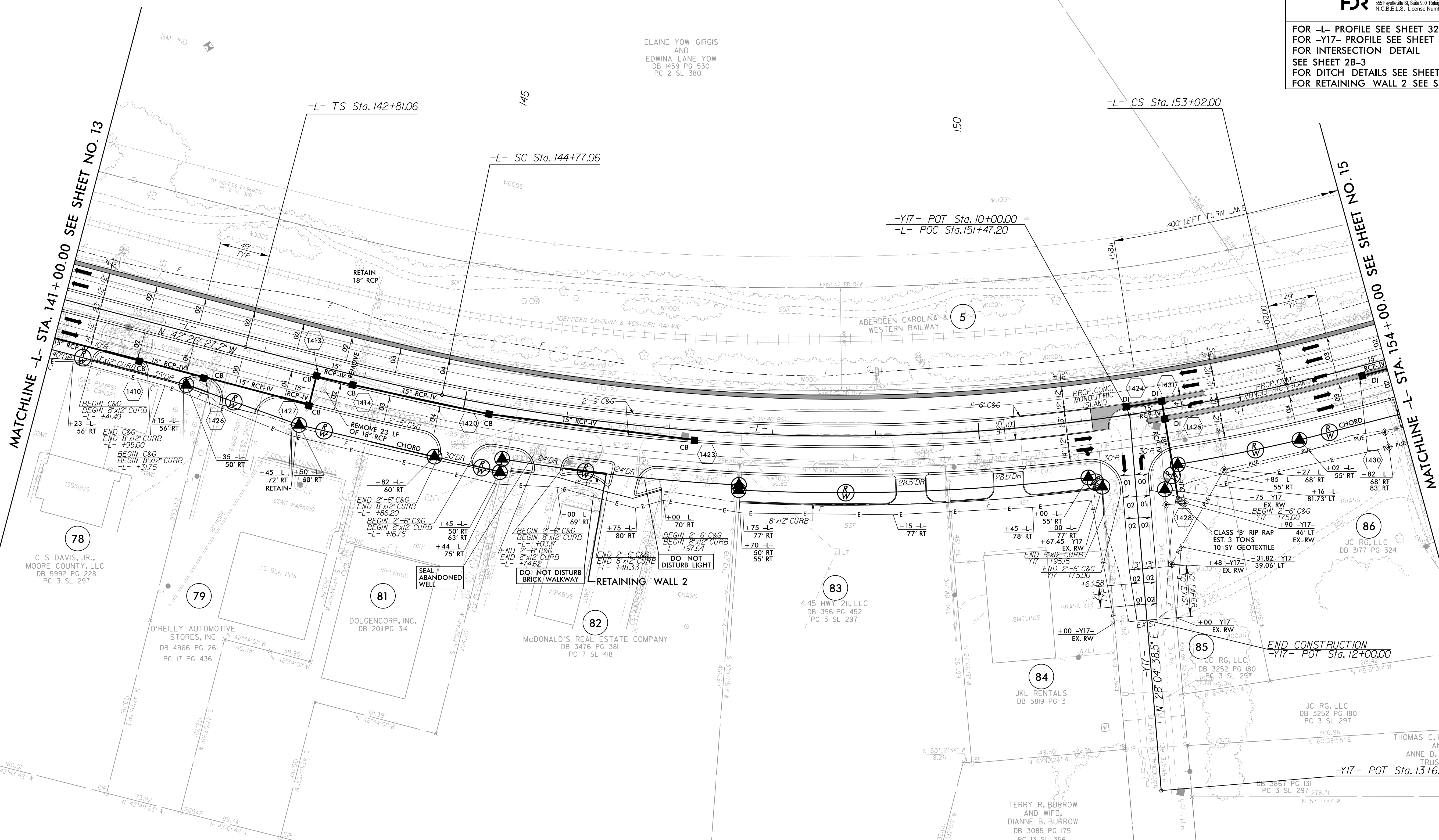
8/17/99

-L-

Pls Sta 144+11.74	Pls Sta 148+96.13	Pls Sta 153+67.35
$\theta_s = 2^\circ 57' 18.9''$	$\Delta = 24^\circ 52' 35.6''$ (LT)	$\theta_s = 2^\circ 57' 18.9''$
$L_s = 196.00'$	$D = 3^\circ 00' 56.0''$	$L_s = 196.00'$
$LT = 130.68'$	$L = 824.94'$	$LT = 130.68'$
$ST = 65.35'$	$T = 419.07'$	$ST = 65.35'$
	$R = 1,900.00'$	
	$SE = 0.04$	
	$RO = 196'$	



PROJECT REFERENCE NO. R-5726	SHEET NO. 14
ROADWAY DESIGN ENGINEER MOTT MACDONALD & E, LLC 13-AUG-2014	HYDRAULICS ENGINEER MOTT MACDONALD & E, LLC 13-AUG-2014
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of: M MOTT MACDONALD	
930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com	
HDR HDR Engineering, Inc. of the Carolinas 355 Fayetteville St., Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	
FOR -L- PROFILE SEE SHEET 32 FOR -Y17- PROFILE SEE SHEET 41 FOR INTERSECTION DETAIL SEE SHEET 2B-3 FOR DITCH DETAILS SEE SHEET 2D-1 FOR RETAINING WALL 2 SEE SHEET W-2	



MATCHLINE -L- STA. 141+00.00 SEE SHEET NO. 13

MATCHLINE -L- STA. 154+00.00 SEE SHEET NO. 15

ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

7/29/2024
R:\Projects\4\Proj\5726_rdy_psh14.dgn
M:\78449

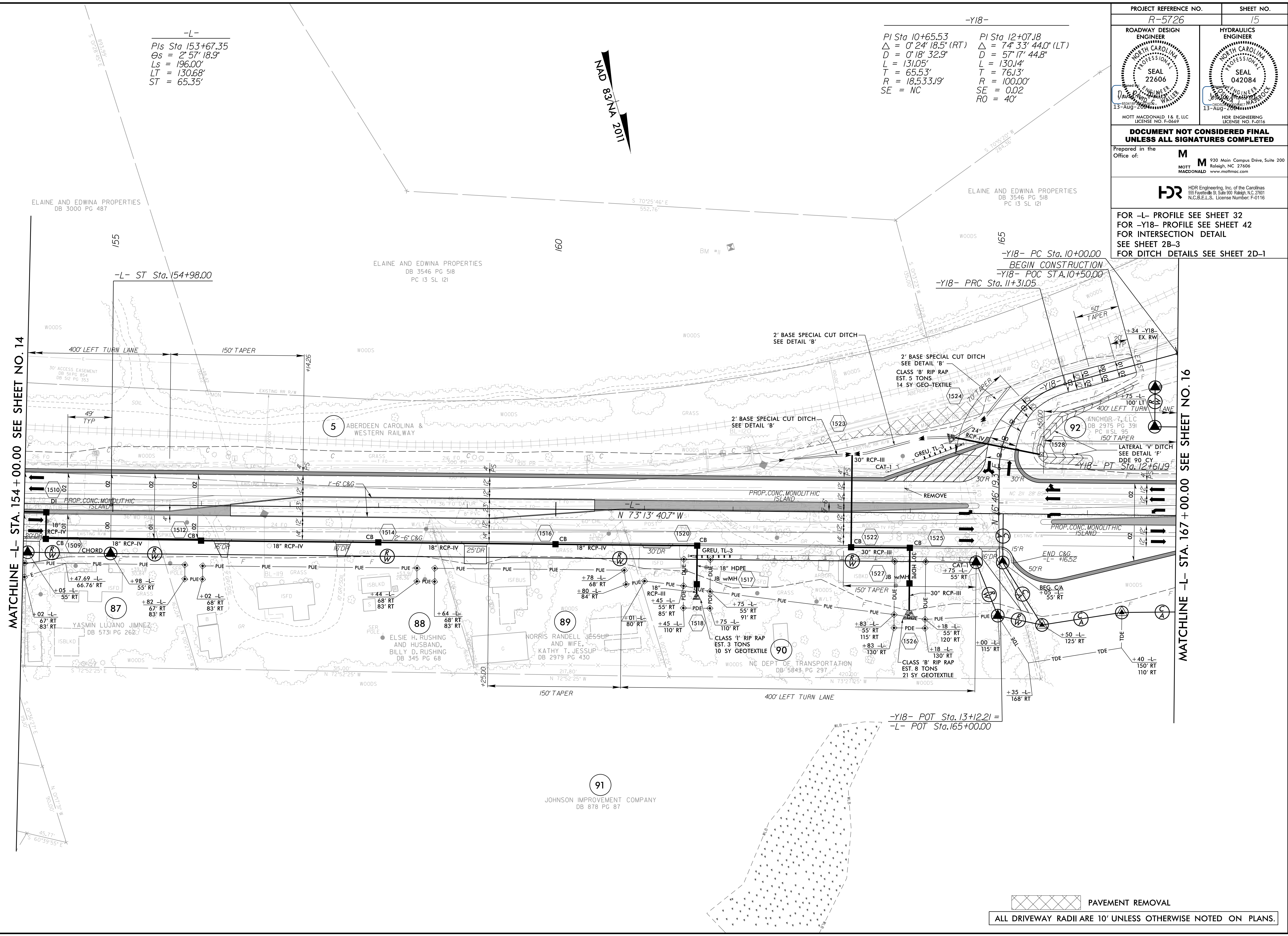
PROJECT REFERENCE NO. R-5726	SHEET NO. 15
ROADWAY DESIGN ENGINEER MOTT MACDONALD & E. LLC LICENSE NO. F-0669	HYDRAULICS ENGINEER MOTT MACDONALD & E. LLC LICENSE NO. F-0116
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of: M MOTT MACDONALD & E. LLC 930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com	
HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 800 Raleigh, NC 27601 N.C.B.E.L.S. License Number: F-0116	
FOR -L- PROFILE SEE SHEET 32 FOR -Y18- PROFILE SEE SHEET 42 FOR INTERSECTION DETAIL SEE SHEET 2B-3 FOR DITCH DETAILS SEE SHEET 2D-1	

-L-
 PIs Sta 153+67.35
 Δs = 2° 57' 18.9"
 Ls = 196.00'
 LT = 130.68'
 ST = 65.35'

-Y18-
 PI Sta 10+65.53
 Δ = 0° 24' 18.5" (RT)
 D = 0° 18' 32.9"
 L = 131.05'
 T = 65.53'
 R = 18.53319'
 SE = NC

PI Sta 12+07.18
 Δ = 74° 33' 44.0" (LT)
 D = 57° 17' 44.8"
 L = 130.14'
 T = 76.13'
 R = 100.00'
 SE = 0.02
 RO = 40'

NAD 83 NVA 2011



MATCHLINE -L- STA. 154 + 00.00 SEE SHEET NO. 14

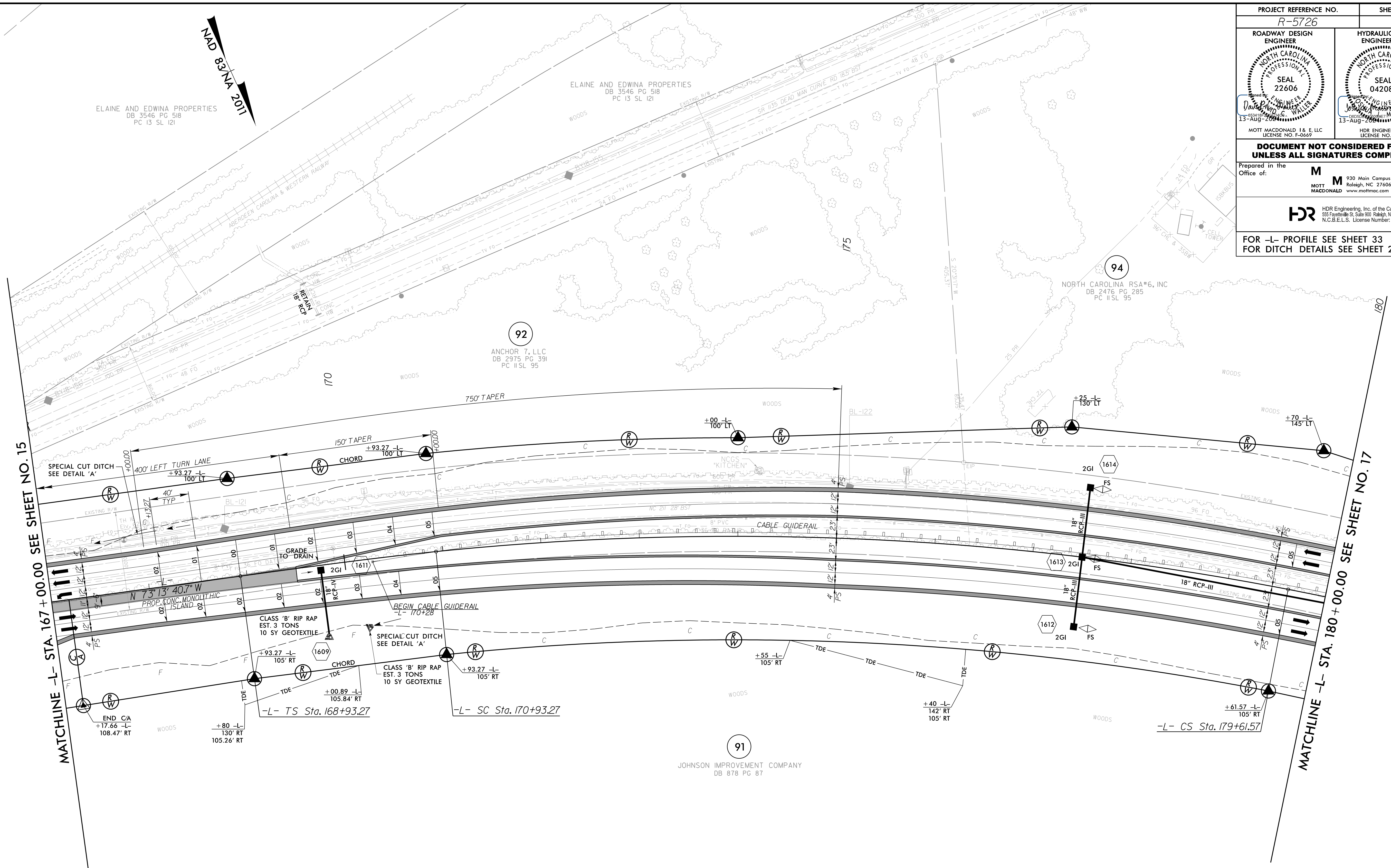
MATCHLINE -L- STA. 167 + 00.00 SEE SHEET NO. 16

PAVEMENT REMOVAL
 ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

7/29/2024
 R:\Projects\4\Proj\5726.rdy_psh15.dgn
 M:\784478

8/17/99

PROJECT REFERENCE NO. R-5726	SHEET NO. 16
ROADWAY DESIGN ENGINEER MOTT MACDONALD & E. LLC 13-AUG-2016	HYDRAULICS ENGINEER MOTT MACDONALD & E. LLC 13-AUG-2016
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p> <p>Prepared in the Office of: M</p> <p>MOTT MACDONALD & E. LLC 930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com</p>	
<p>HDR HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116</p>	
<p>FOR -L- PROFILE SEE SHEET 33 FOR DITCH DETAILS SEE SHEET 2D-1</p>	



MATCHLINE -L- STA. 167 + 00.00 SEE SHET NO. 15


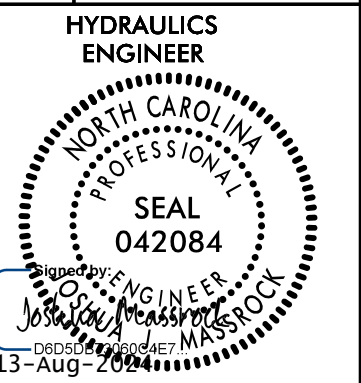
MATCHLINE -L- STA. 180 + 00.00 SEE SHEET NO. 17

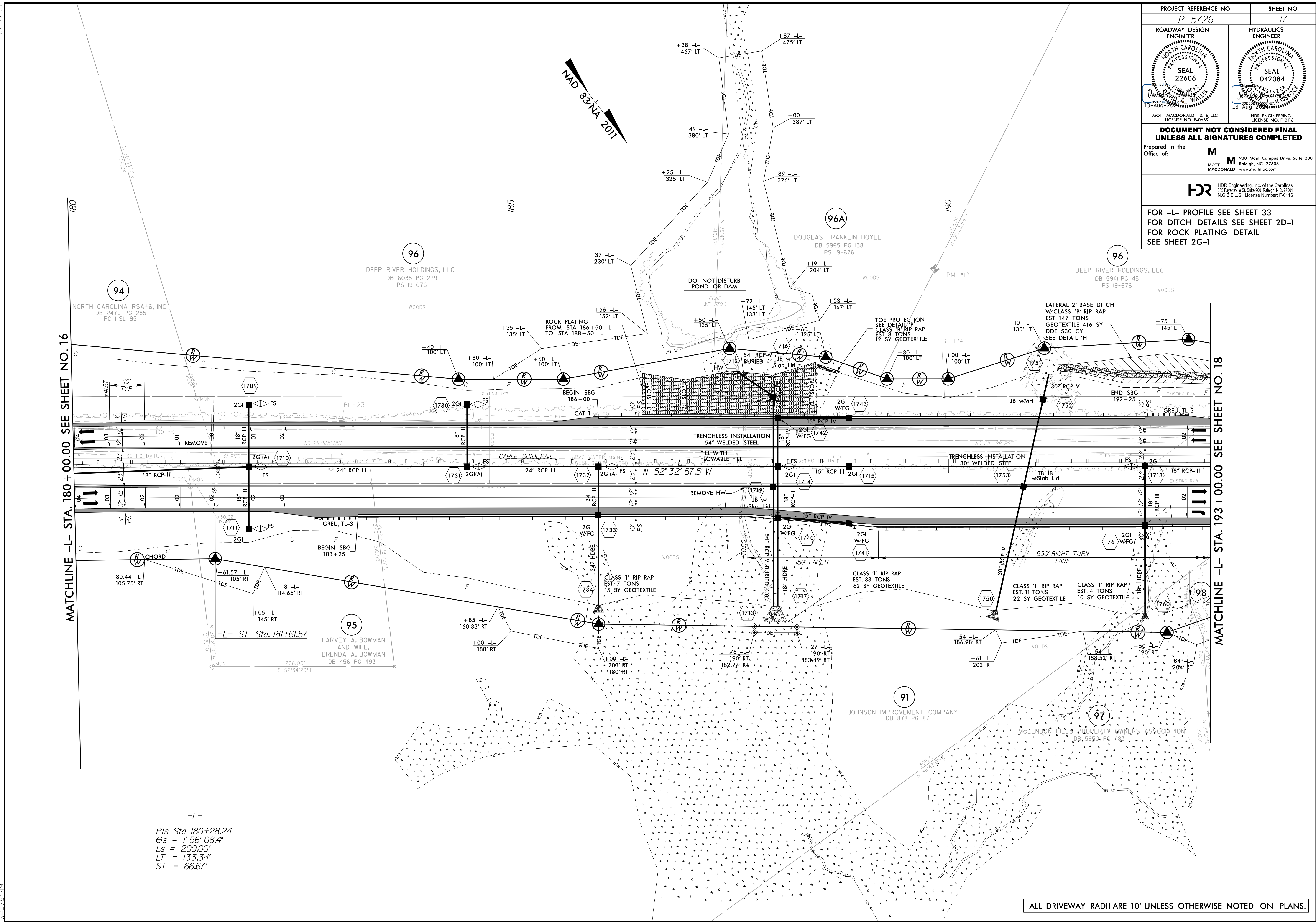
-L-

<i>PIs</i> Sta 170+26.61	<i>PI</i> Sta 175+30.56	<i>PIs</i> Sta 180+28.24
<i>Os</i> = 1' 56" 08.4"	Δ = 16' 48" 26.4" (RT)	<i>Os</i> = 1' 56" 08.4"
<i>LS</i> = 200.00'	<i>D</i> = 1' 56" 08.4"	<i>LS</i> = 200.00'
<i>LT</i> = 133.34'	<i>L</i> = 868.30'	<i>LT</i> = 133.34'
<i>ST</i> = 66.67'	<i>T</i> = 437.29'	<i>ST</i> = 66.67'
	<i>R</i> = 2,960.00'	
	<i>SE</i> = 0.05	
	<i>RO</i> = 200'	

ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

7/29/2024
R:\Projects\4\Proj\5726_rdy_psh16.dgn
VBA 7/24/24

PROJECT REFERENCE NO. R-5726	SHEET NO. 17
ROADWAY DESIGN ENGINEER MOTT MACDONALD & E, LLC LICENSE NO. F-0669	HYDRAULICS ENGINEER MOTT MACDONALD & E, LLC LICENSE NO. F-0116
 	
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	
<p>Prepared in the Office of: M MOTT MACDONALD</p>	
<p>HDR HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 800 Raleigh, N.C. 27601 N.C.E.L.S. License Number: F-0116</p>	
<p>FOR -L- PROFILE SEE SHEET 33 FOR DITCH DETAILS SEE SHEET 2D-1 FOR ROCK PLATING DETAIL SEE SHEET 2G-1</p>	



MATCHLINE -L- STA. 180 + 00.00 SEE SHEET NO. 16

MATCHLINE -L- STA. 193 + 00.00 SEE SHEET NO. 18

-L-
 Pls Sta 180+28.24
 $\theta_s = 1^{\circ} 56' 08.4''$
 $L_s = 200.00'$
 $LT = 133.34'$
 $ST = 66.67'$

ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

7/29/2024
 R:\Projects\5726\Drawings\Plan\5726_Plan17.dgn
 M:\764478

8/17/99

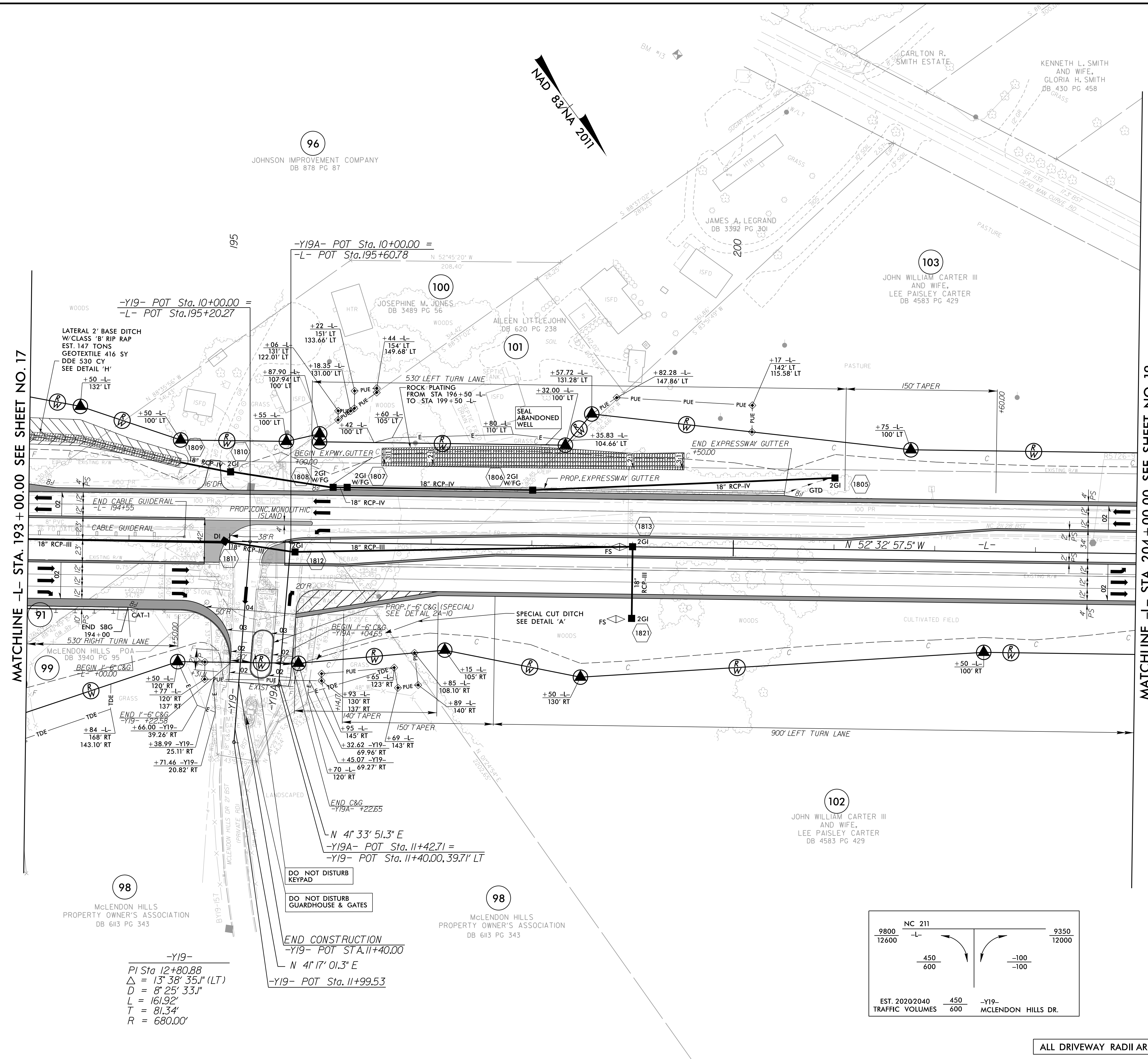
PROJECT REFERENCE NO. R-5726	SHEET NO. 18
ROADWAY DESIGN ENGINEER SEAL 22606 MOTT MACDONALD I & E, LLC LICENSE NO. F-0669	HYDRAULICS ENGINEER SEAL 042084 MOTT MACDONALD I & E, LLC LICENSE NO. F-0116

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

Prepared in the Office of: **M M**
MOTT MACDONALD I & E, LLC
930 Main Campus Drive, Suite 200
Raleigh, NC 27606
www.mottmac.com

HDR HDR Engineering, Inc. of the Carolinas
555 Fayetteville St., Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

FOR -L- PROFILE SEE SHEET 34
FOR -Y19- PROFILE SEE SHEET 42
FOR -Y19A- PROFILE SEE SHEET 42
FOR INTERSECTION DETAIL SEE SHEET 2B-3
FOR DITCH DETAILS SEE SHEET 2D-1
FOR ROCK PLATING DETAILS SEE SHEET 2G-1



98
McLENDON HILLS
PROPERTY OWNER'S ASSOCIATION
DB 6113 PG 343

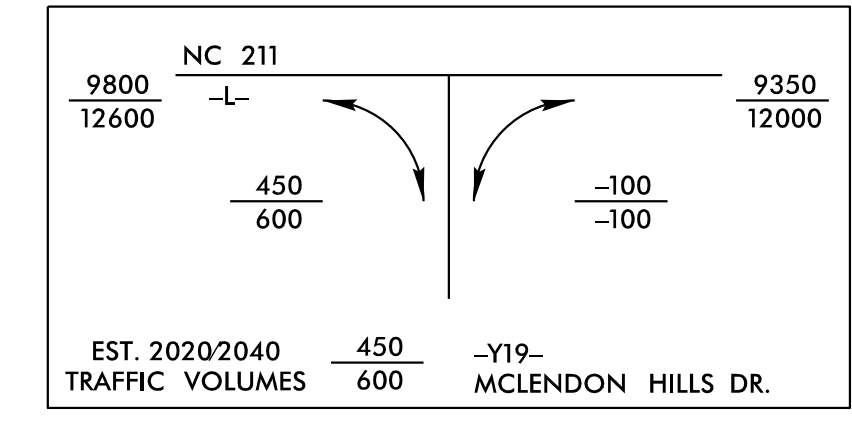
-Y19-
PI Sta 12+80.88
Δ = 13° 38' 35.1" (LT)
D = 8° 25' 33.1"
L = 161.92'
T = 81.34'
R = 680.00'

DO NOT DISTURB
KEYPAD

DO NOT DISTURB
GUARDHOUSE & GATES

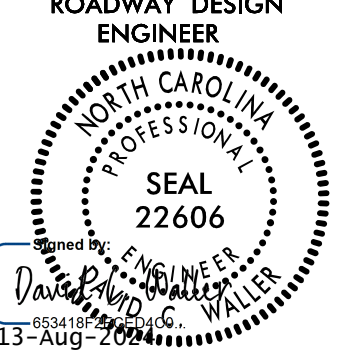
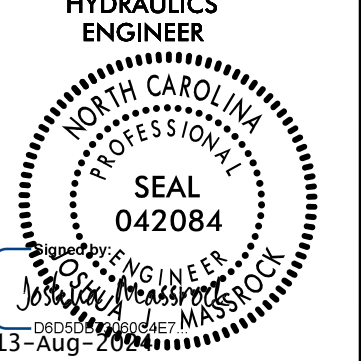

END CONSTRUCTION
-Y19- POT STA. 11+40.00

N 4° 17' 01.3" E
-Y19- POT STA. 11+99.53



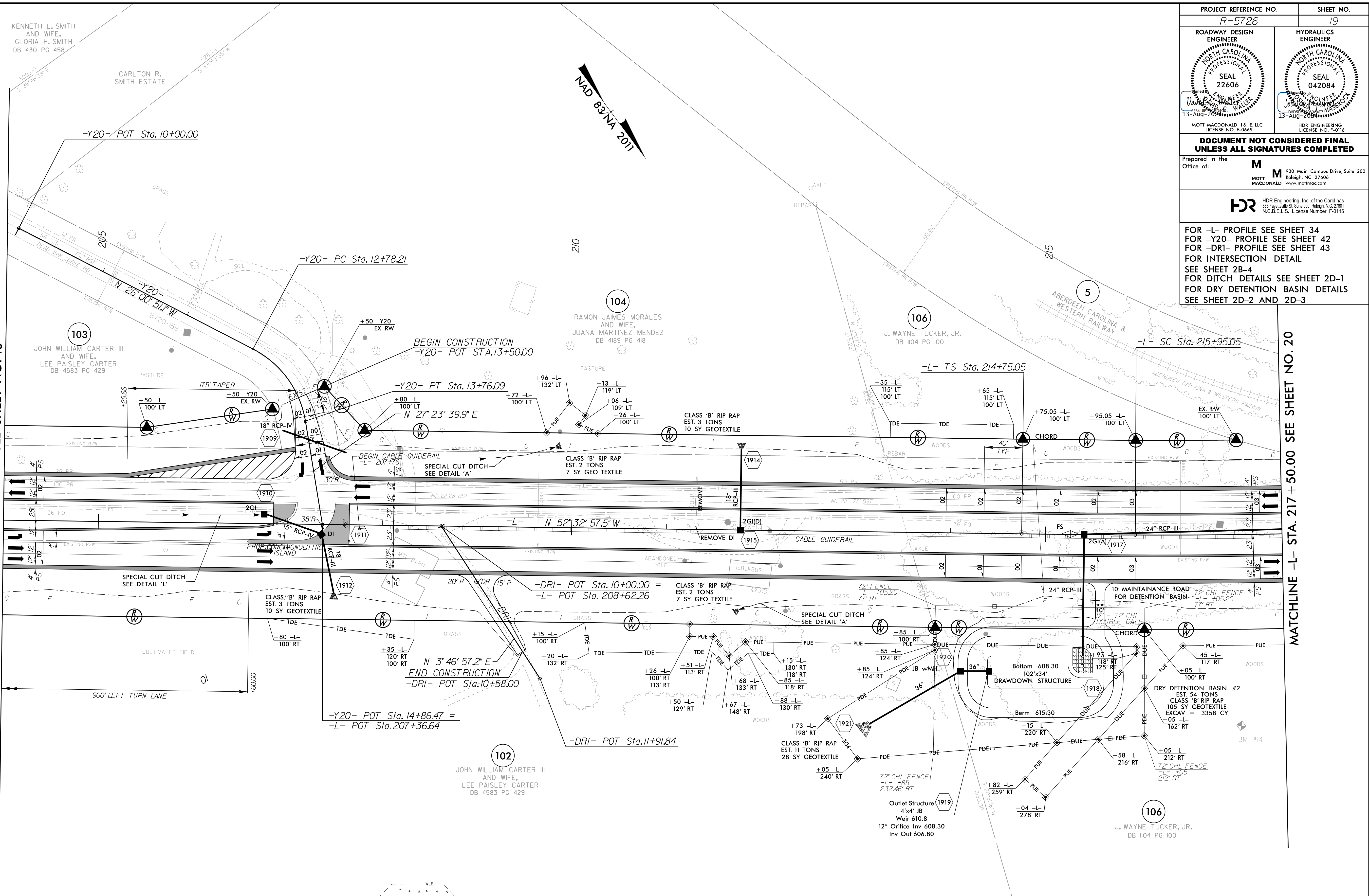
ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

7/29/2024
R:\Projects\4\Proj\5726_r\dwg_psh18.dgn
VAN 7/24/24

PROJECT REFERENCE NO. R-5726		SHEET NO. 19	
ROADWAY DESIGN ENGINEER MOTT MACDONALD & E, LLC 13-Aug-2024		HYDRAULICS ENGINEER MOTT MACDONALD & E, LLC 13-Aug-2024	
 MOTT MACDONALD & E, LLC LICENSE NO. F-06697		 MOTT MACDONALD & E, LLC LICENSE NO. F-0116	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
Prepared in the Office of: M MOTT MACDONALD & E, LLC 930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com			
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 900 Raleigh, N.C. 27601 N.C.E.L.S. License Number: F-0116			
FOR -L- PROFILE SEE SHEET 34 FOR -Y20- PROFILE SEE SHEET 42 FOR -DRI- PROFILE SEE SHEET 43 FOR INTERSECTION DETAIL SEE SHEET 2B-4 FOR DITCH DETAILS SEE SHEET 2D-1 FOR DRY DETENTION BASIN DETAILS SEE SHEET 2D-2 AND 2D-3			

MATCHLINE -L- STA. 204+00.00 SEE SHEET NO. 18

MATCHLINE -L- STA. 217+50.00 SEE SHEET NO. 20



-L-	-Y20-
PI Sta 215+55.05	PI Sta 13+31.03
θs = 0° 31' 44.0"	Δ = 53° 24' 31.0" (RT)
Ls = 120.00'	Δ = 8° 07' 56.7" (LT)
LT = 80.00'	D = 0° 52' 53.3"
ST = 40.00'	L = 922.59'
	T = 462.07'
	R = 6,500.00'
	SE = 0.03
	RO = 120'

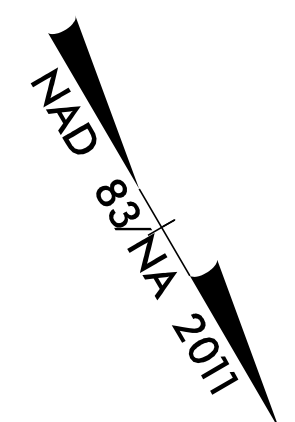
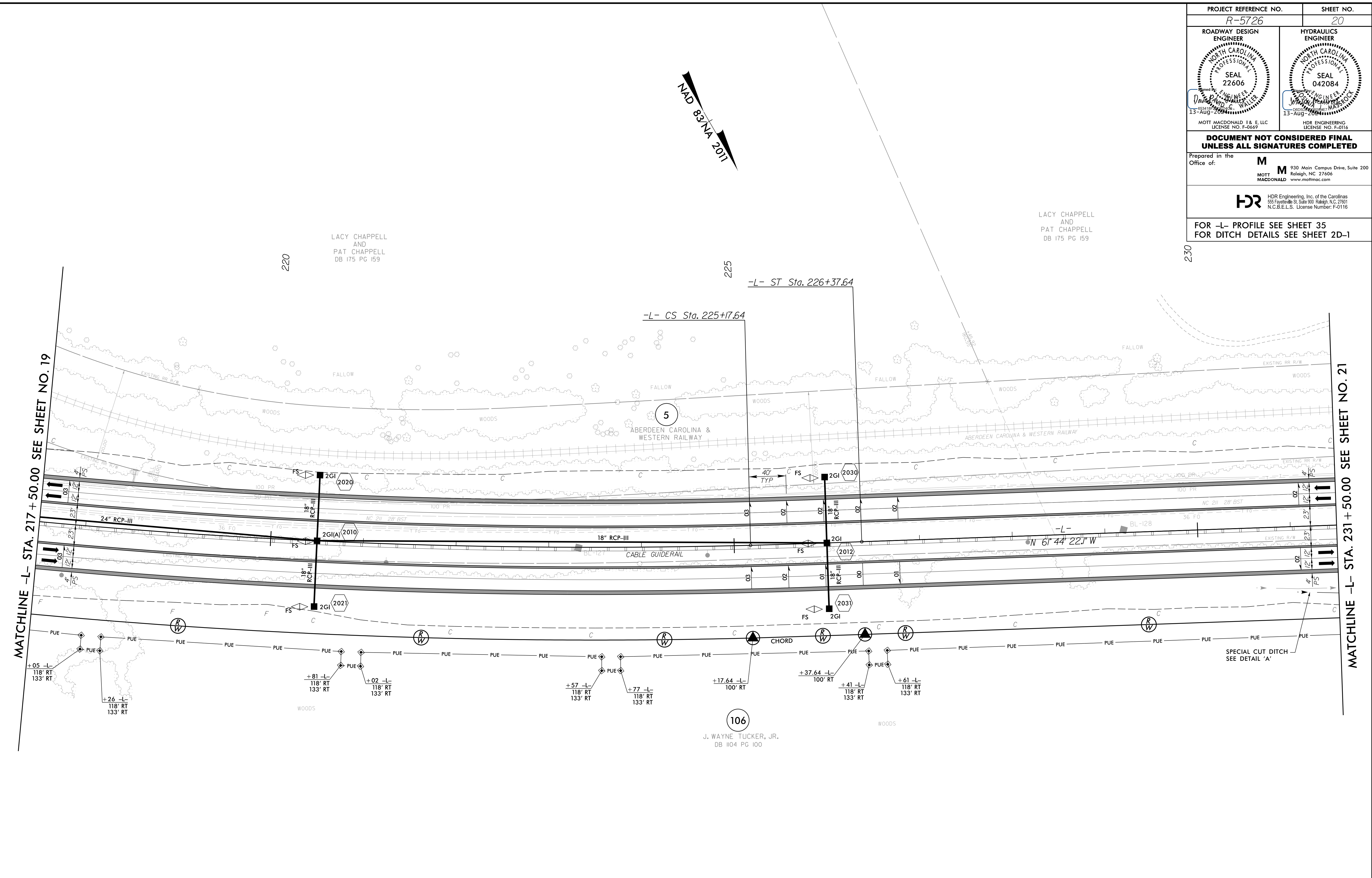
ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

8/17/24

R:\Projects\5726\Proj\5726_rdy_psh19.dgn

8/17/99

PROJECT REFERENCE NO. <i>R-5726</i>	SHEET NO. 20
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 22606 <i>David P. Walker</i> 13-Aug-2011 MOTT MACDONALD I & E, LLC LICENSE NO. F-06697	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 042084 <i>John G. Walker</i> 13-Aug-2011 HDR ENGINEERING LICENSE NO. F-0116
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of: M MOTT MACDONALD	
HDR HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	
FOR -L- PROFILE SEE SHEET 35 FOR DITCH DETAILS SEE SHEET 2D-1	



MATCHLINE -L- STA. 217 + 50.00 SEE SHEET NO. 19

MATCHLINE -L- STA. 231 + 50.00 SEE SHEET NO. 21

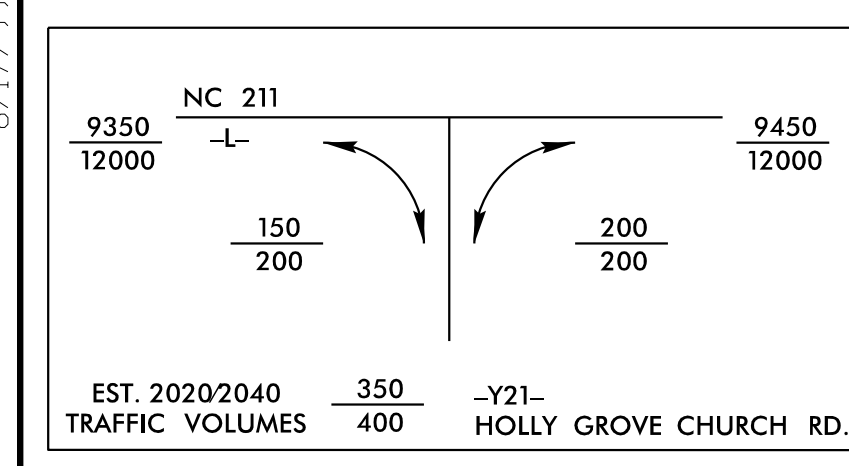
-L-

PI Sta 220+57.12	PIs Sta 225+57.64
$\Delta = 8^{\circ} 07' 56.7''$ (LT)	$\Theta_s = 0^{\circ} 31' 44.0''$
$D = 0^{\circ} 52' 53.3''$	$L_s = 120.00'$
$L = 922.59'$	$LT = 80.00'$
$T = 462.07'$	$ST = 40.00'$
$R = 6,500.00'$	
$SE = 0.03$	
$RO = 120'$	

ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

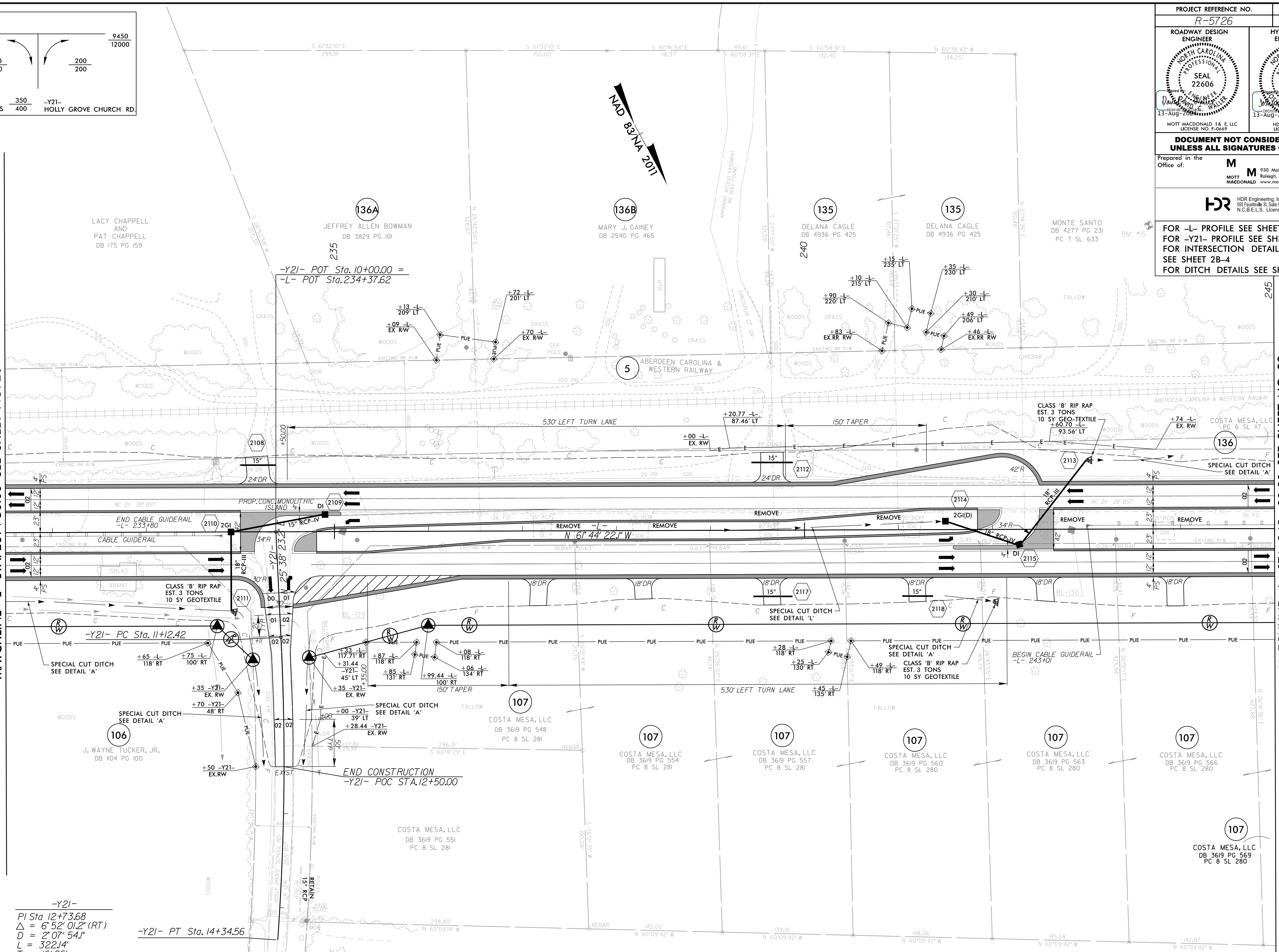
7/29/2024
R:\Projects\4\Proj\5726_rdy_psh20.dgn
VAN 78449

PROJECT REFERENCE NO. R-5726	SHEET NO. 21
ROADWAY DESIGN ENGINEER MOTT MACDONALD & E. LLC LICENSE NO. F-0669	HYDRAULICS ENGINEER MOTT MACDONALD & E. LLC LICENSE NO. F-0116
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of: M MOTT MACDONALD	
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 900, Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	



MATCHLINE -L- STA. 231 + 50.00 SEE SHEET NO. 20

MATCHLINE -L- STA. 245 + 00.00 SEE SHEET NO. 22



-Y21-
 $PI\ Sta\ 12+73.68$
 $\Delta = 6' 52'' 01.2'' (RT)$
 $D = 2' 07'' 54.1''$
 $L = 322.14'$
 $T = 161.26'$
 $R = 2,687.8'$

-Y21- PT Sta. 14+34.56

END CONSTRUCTION
-Y21- POC STA. 12+50.00

ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

8/17/2024
 R:\Projects\4\Proj\5726_rdy_psh21.dgn
 7/29/2024
 R:\Projects\4\Proj\5726_rdy_psh21.dgn
 7/29/2024

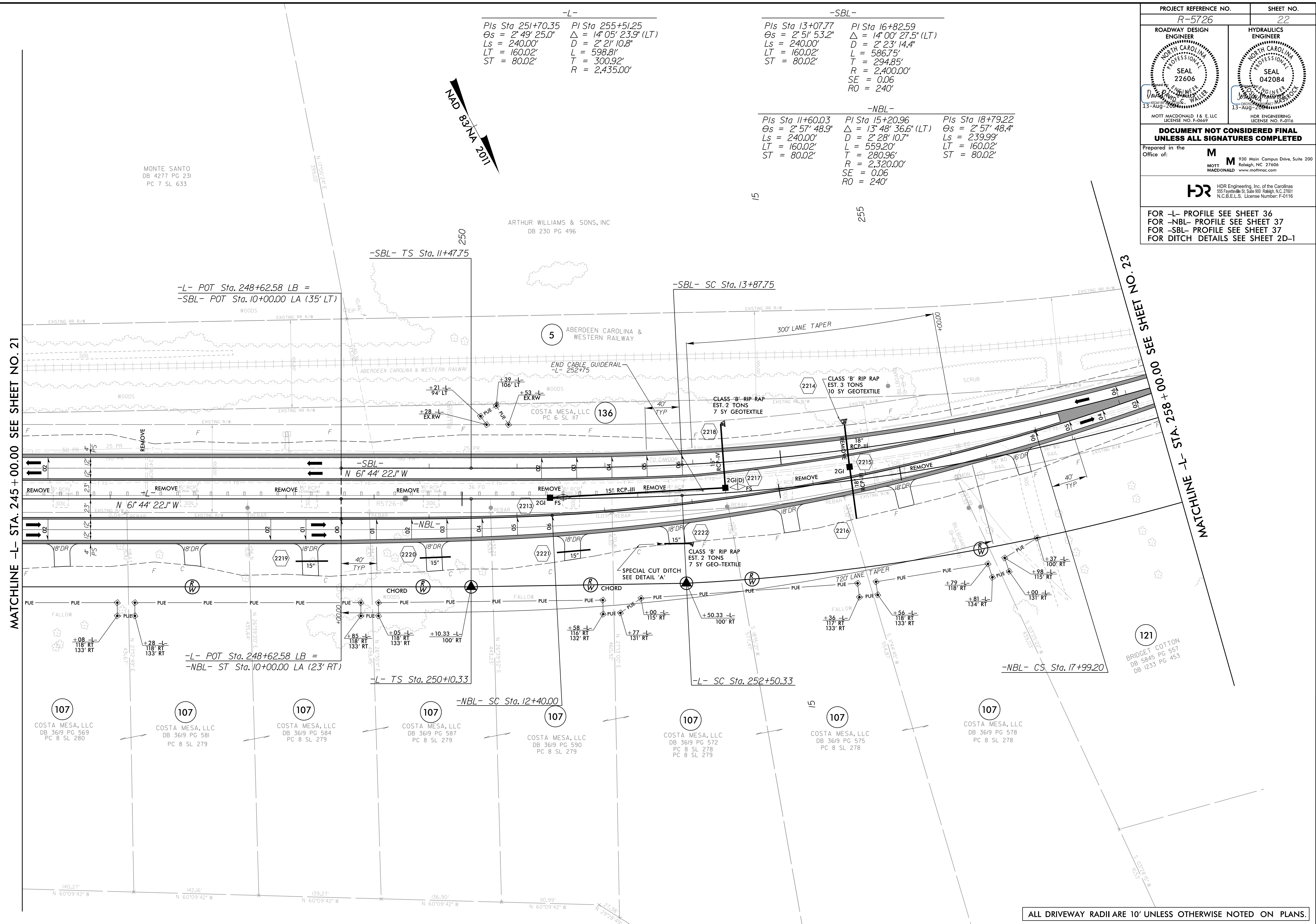
8/17/99

PROJECT REFERENCE NO. R-5726		SHEET NO. 22	
ROADWAY DESIGN ENGINEER MOTT MACDONALD I & E, LLC LICENSE NO. F-0669		HYDRAULICS ENGINEER MOTT MACDONALD I & E, LLC LICENSE NO. F-0116	
SEAL 22606 13-Aug-2014		SEAL 042084 13-Aug-2014	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
Prepared in the Office of: M M MOTT MACDONALD I & E, LLC 930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com			
HDR HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 900 Raleigh, N.C. 27601 N.C.E.L.S. License Number: F-0116			
FOR -L- PROFILE SEE SHEET 36 FOR -NBL- PROFILE SEE SHEET 37 FOR -SBL- PROFILE SEE SHEET 37 FOR DITCH DETAILS SEE SHEET 2D-1			

-L-
 Pls Sta 251+70.35 PI Sta 255+51.25
 $\theta_s = 2^\circ 49' 25.0''$ $\Delta = 14^\circ 05' 23.9''$ (LT)
 $L_s = 240.00'$ $D = 2^\circ 21' 10.8''$
 $LT = 160.02'$ $L = 598.81'$
 $ST = 80.02'$ $T = 300.92'$
 $R = 2,435.00'$

-SBL-
 Pls Sta 13+07.77 PI Sta 16+82.59
 $\theta_s = 2^\circ 51' 53.2''$ $\Delta = 14^\circ 00' 27.5''$ (LT)
 $L_s = 240.00'$ $D = 2^\circ 23' 14.4''$
 $LT = 160.02'$ $L = 586.75'$
 $ST = 80.02'$ $T = 294.85'$
 $R = 2,400.00'$
 $SE = 0.06$
 $RO = 240'$

-NBL-
 Pls Sta 11+60.03 PI Sta 15+20.96 PI Sta 18+79.22
 $\theta_s = 2^\circ 57' 48.9''$ $\Delta = 13^\circ 48' 36.6''$ (LT) $\theta_s = 2^\circ 57' 48.4''$
 $L_s = 240.00'$ $D = 2^\circ 28' 10.7''$ $L_s = 239.99'$
 $LT = 160.02'$ $L = 559.20'$ $LT = 160.02'$
 $ST = 80.02'$ $T = 280.96'$ $ST = 80.02'$
 $R = 2,320.00'$
 $SE = 0.06$
 $RO = 240'$



MATCHLINE -L- STA. 245 + 00.00 SEE SHEET NO. 21

MATCHLINE -L- STA. 258 + 00.00 SEE SHEET NO. 23

7/29/2024
R:\Projects\4\N\Proj\5726\rdy_psh22.dgn
VAL 78449

ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

8.17.7.99

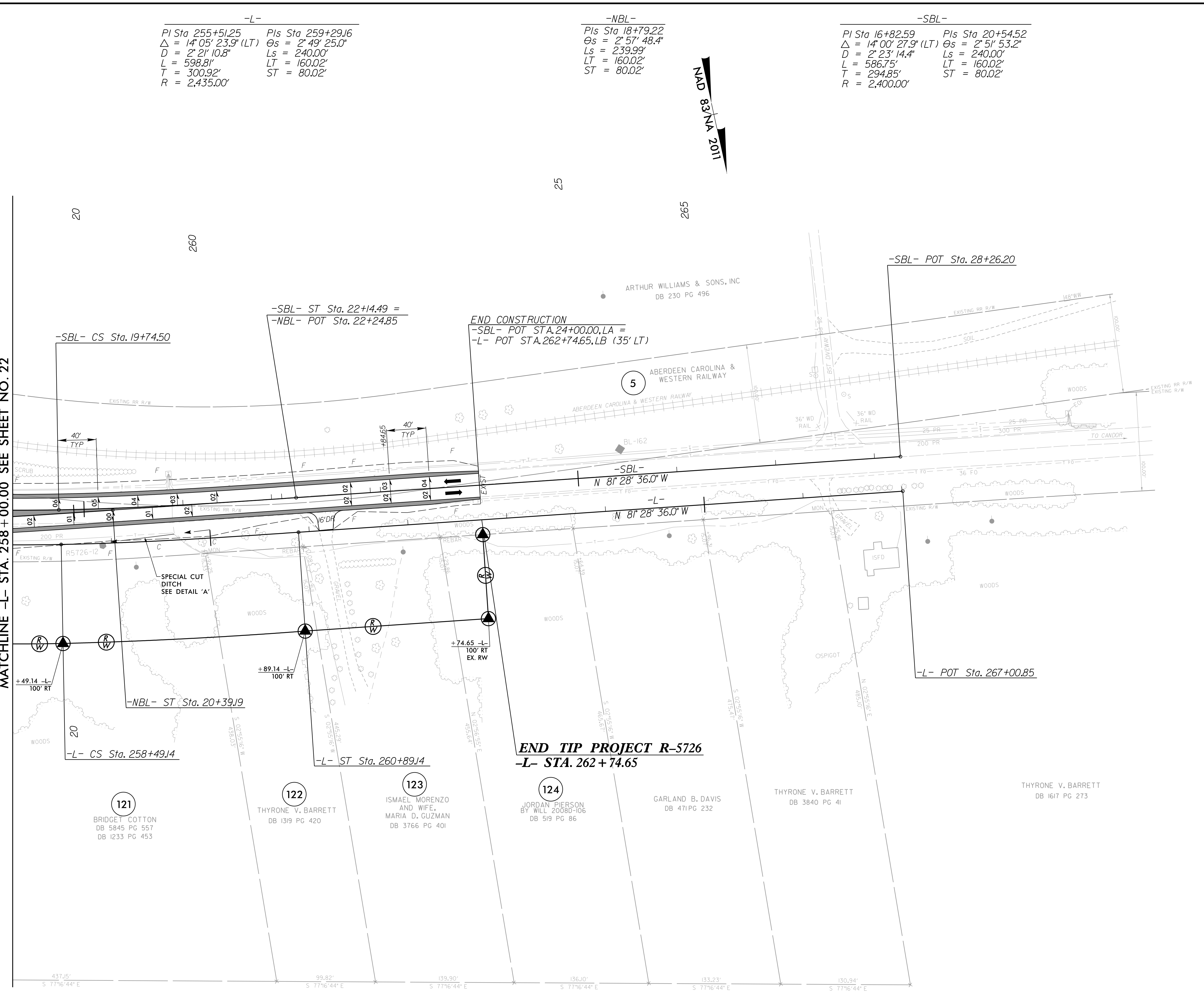
-L-
 Pls Sta 255+51.25 Pls Sta 259+29.16
 $\Delta = 14^{\circ} 05' 23.9"$ (LT) $\Theta_s = 2^{\circ} 49' 25.0"$
 $D = 2^{\circ} 21' 10.8"$ $L_s = 240.00'$
 $L = 598.81'$ $LT = 160.02'$
 $T = 300.92'$ $ST = 80.02'$
 $R = 2,435.00'$

-NBL-
 Pls Sta 18+79.22
 $\Theta_s = 2^{\circ} 57' 48.4"$
 $L_s = 239.99'$
 $LT = 160.02'$
 $ST = 80.02'$

-SBL-
 Pls Sta 16+82.59 Pls Sta 20+54.52
 $\Delta = 14^{\circ} 00' 27.9"$ (LT) $\Theta_s = 2^{\circ} 51' 53.2"$
 $D = 2^{\circ} 23' 14.4"$ $L_s = 240.00'$
 $L = 586.75'$ $LT = 160.02'$
 $T = 294.85'$ $ST = 80.02'$
 $R = 2,400.00'$

NAD 83/NA 2011

MATCHLINE -L- STA. 258 + 00.00 SEE SHEET NO. 22



PROJECT REFERENCE NO. R-5726	SHEET NO. 23
ROADWAY DESIGN ENGINEER MOTT MACDONALD & E, LLC SEAL 22606 13-Aug-2024	HYDRAULICS ENGINEER MOTT MACDONALD & E, LLC SEAL 042084 13-Aug-2024
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of: M MOTT MACDONALD & E, LLC Raleigh, NC 27606 www.mottmac.com	
HDR HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	
FOR -L- PROFILE SEE SHEET 36 FOR -NBL- PROFILE SEE SHEET 37 FOR -SBL- PROFILE SEE SHEET 37 FOR DITCH DETAILS SEE SHEET 2D-1	

7/29/2024
R:\Projects\5726\Proj\5726_rdy_psh23.dgn
VAL 7/24/24

ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

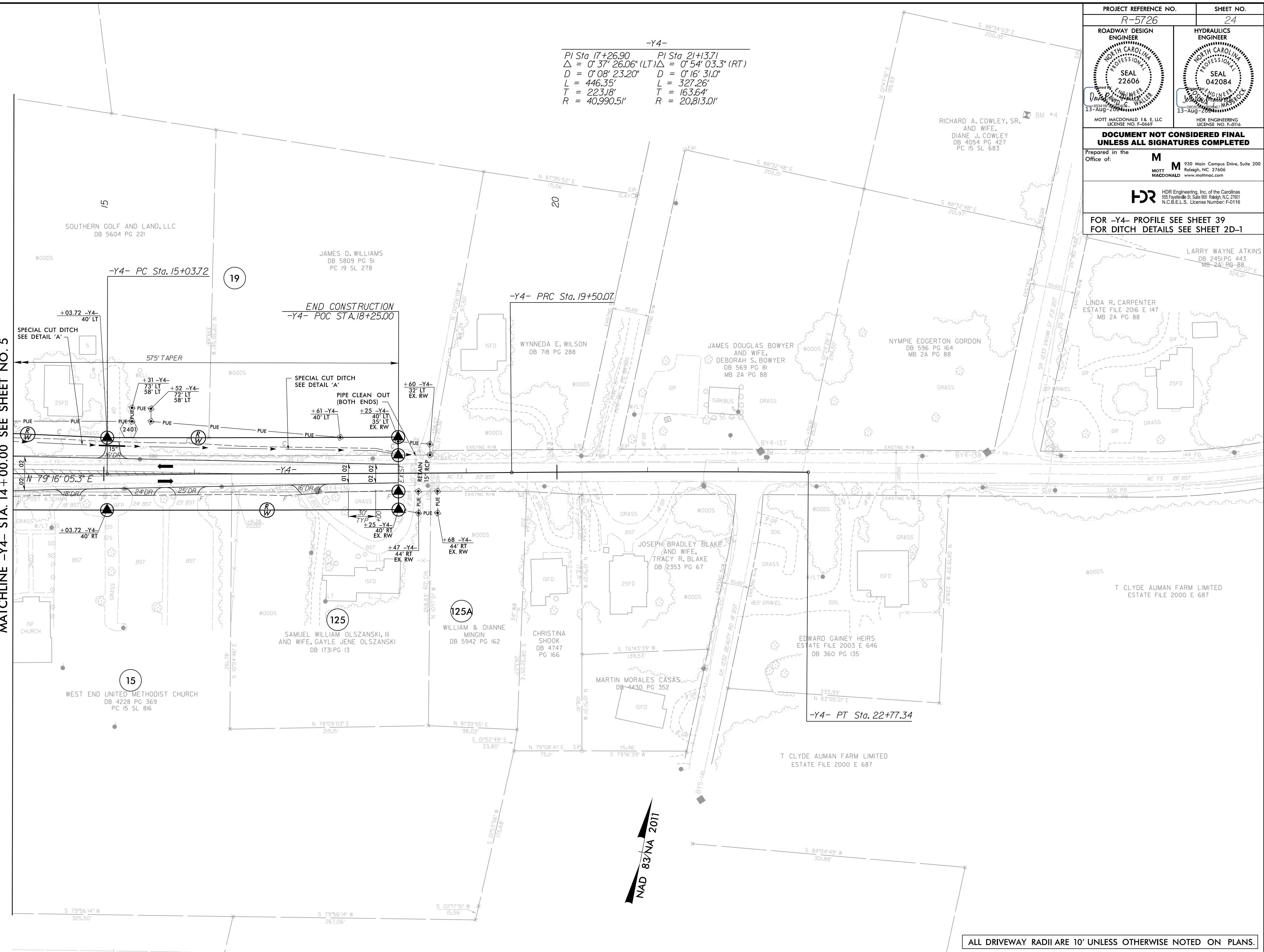
8/17/99

PROJECT REFERENCE NO. R-5726		SHEET NO. 24	
ROADWAY DESIGN ENGINEER SEAL 22606 MOTT MACDONALD I & E, LLC LICENSE NO. F-06697		HYDRAULICS ENGINEER SEAL 042084 MOTT MACDONALD I & E, LLC LICENSE NO. F-0116	
DOCUMENT NOT CONSIDERED FINAL			
UNLESS ALL SIGNATURES COMPLETED			
Prepared in the Office of:		M MOTT MACDONALD	
		930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com	
HR HR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 900 Raleigh, N.C. 27601 N.C.E.L.S. License Number: F-0116			
FOR -Y4- PROFILE SEE SHEET 39			
FOR DITCH DETAILS SEE SHEET 2D-1			

-Y4-

PI Sta 17+26.90	PI Sta 21+13.71
$\Delta = 0^\circ 37' 26.06''$ (LT)	$\Delta = 0^\circ 54' 03.3''$ (RT)
$D = 0^\circ 08' 23.20''$	$D = 0^\circ 16' 31.0''$
$L = 446.35'$	$L = 327.26'$
$T = 223.18'$	$T = 163.64'$
$R = 40,990.51'$	$R = 20,813.01'$

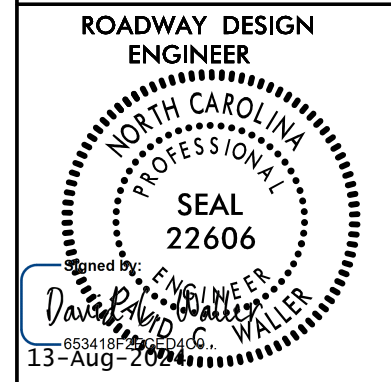
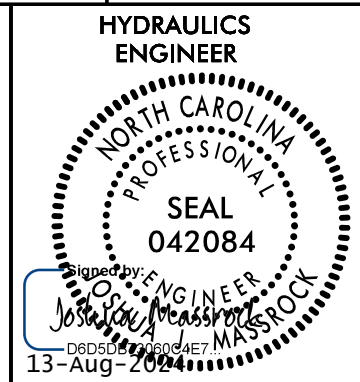


MATCHLINE -Y4- STA. 14 + 00.00 SEE SHEET NO. 5



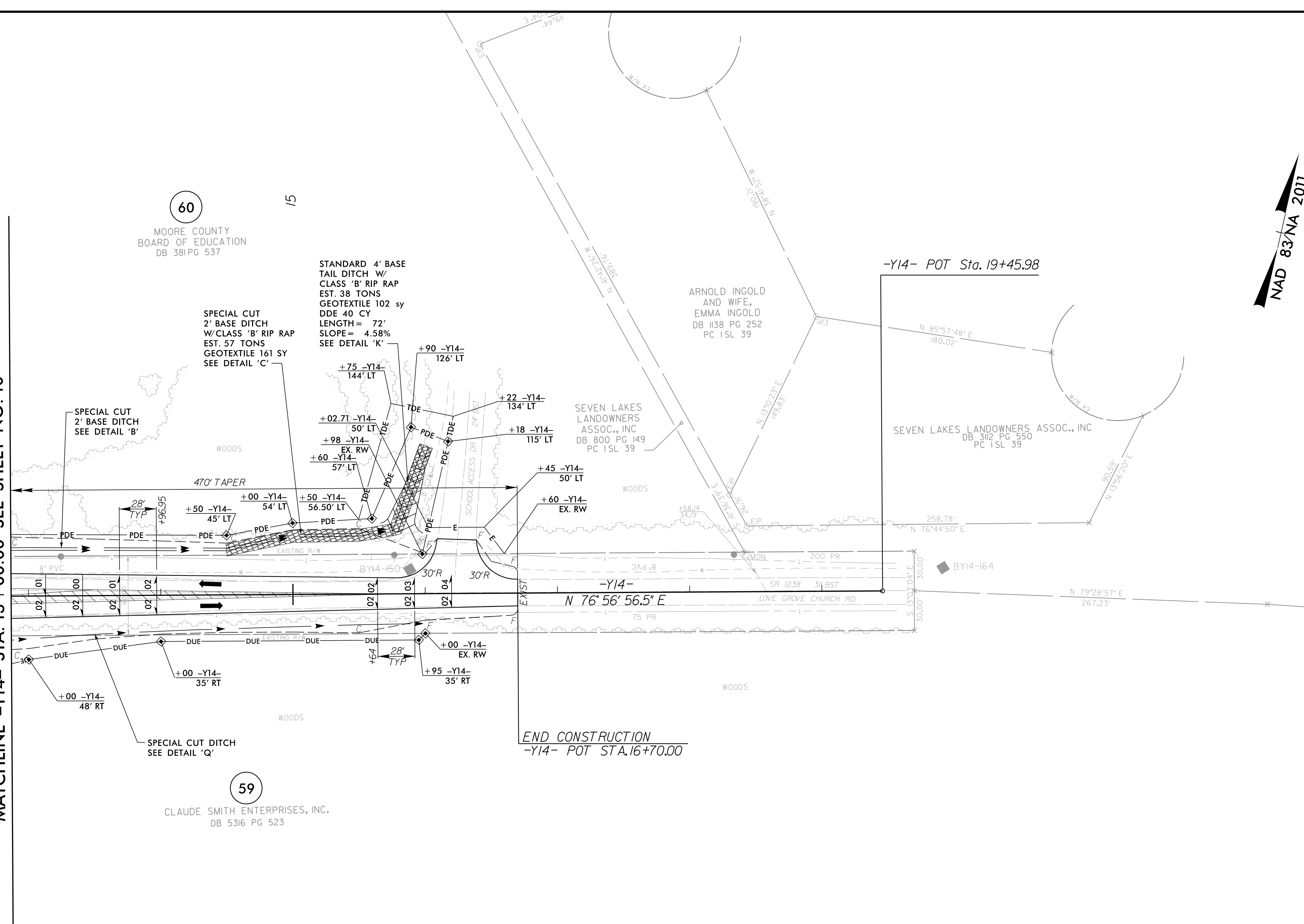
ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

7/29/2024
R:\Projects\5726\Drawings\Roadway\Sheet24.dgn
WAL 7/24/24

8/17/99

PROJECT REFERENCE NO. R-5726	SHEET NO. 25
ROADWAY DESIGN ENGINEER  13-Aug-2011 MOTT MACDONALD I & E, LLC LICENSE NO. F-06697	HYDRAULICS ENGINEER  13-Aug-2011 HDR ENGINEERING LICENSE NO. F-0116
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of:	 M MOTT MACDONALD 930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	
FOR -Y14- PROFILE SEE SHEET 41 FOR DITCH DETAILS SEE SHEET 2D-1	

MATCHLINE -Y14- STA. 13 + 00.00 SEE SHEET NO. 10



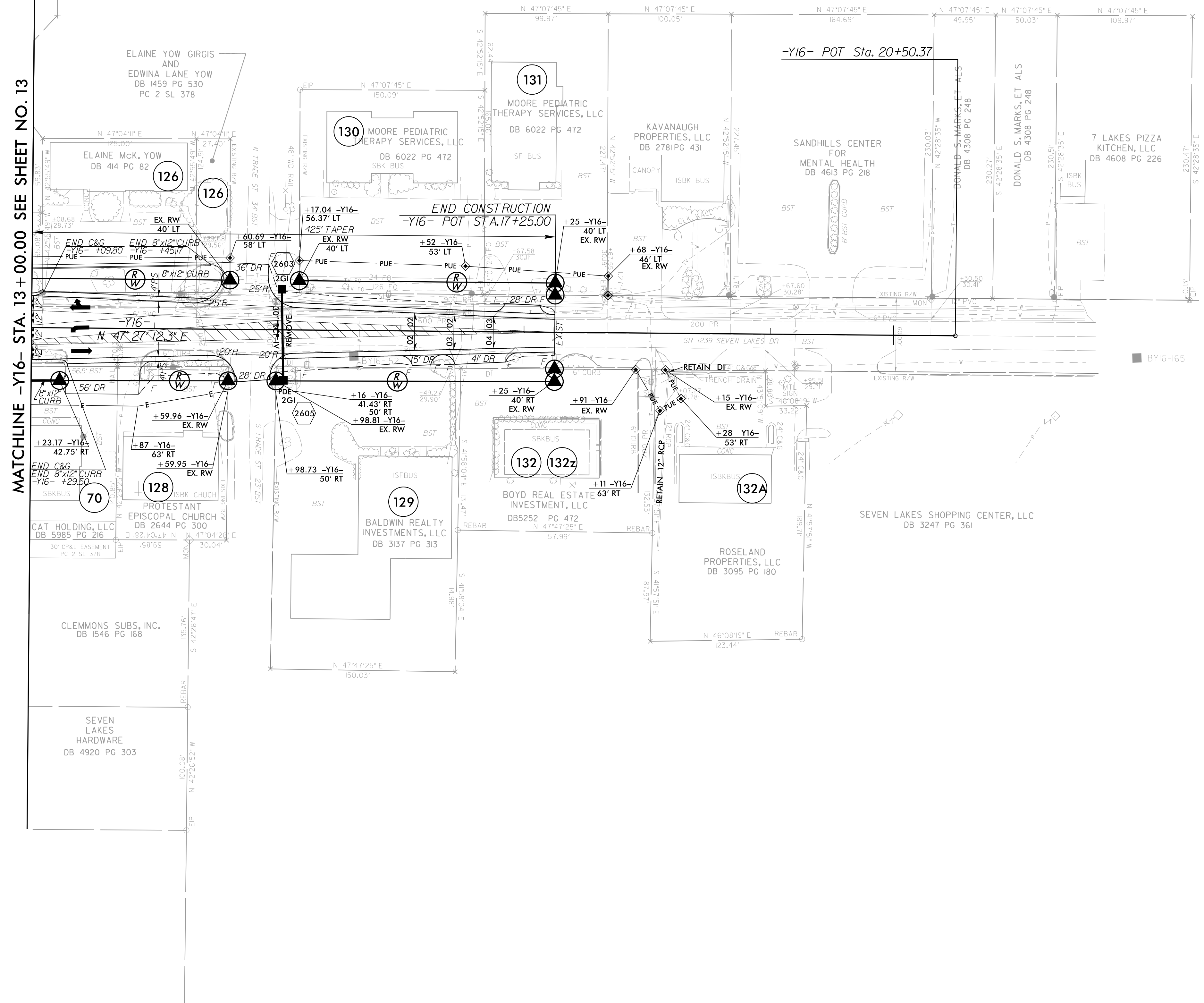
ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

7/29/2024
R:\Projects\4\Proj\5726_rdy_psh25.dgn
VAL 78449

8/17/99

PROJECT REFERENCE NO. <i>R-5726</i>	SHEET NO. 26
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 22606 MOTT MACDONALD 1 & E, LLC LICENSE NO. F-0669	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 042084 MOTT MACDONALD 1 & E, LLC LICENSE NO. F-0116
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of: M MOTT MACDONALD	
HDR HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	
FOR -Y16- PROFILE SEE SHEET 41 FOR DITCH DETAILS SEE SHEET 2D-1	

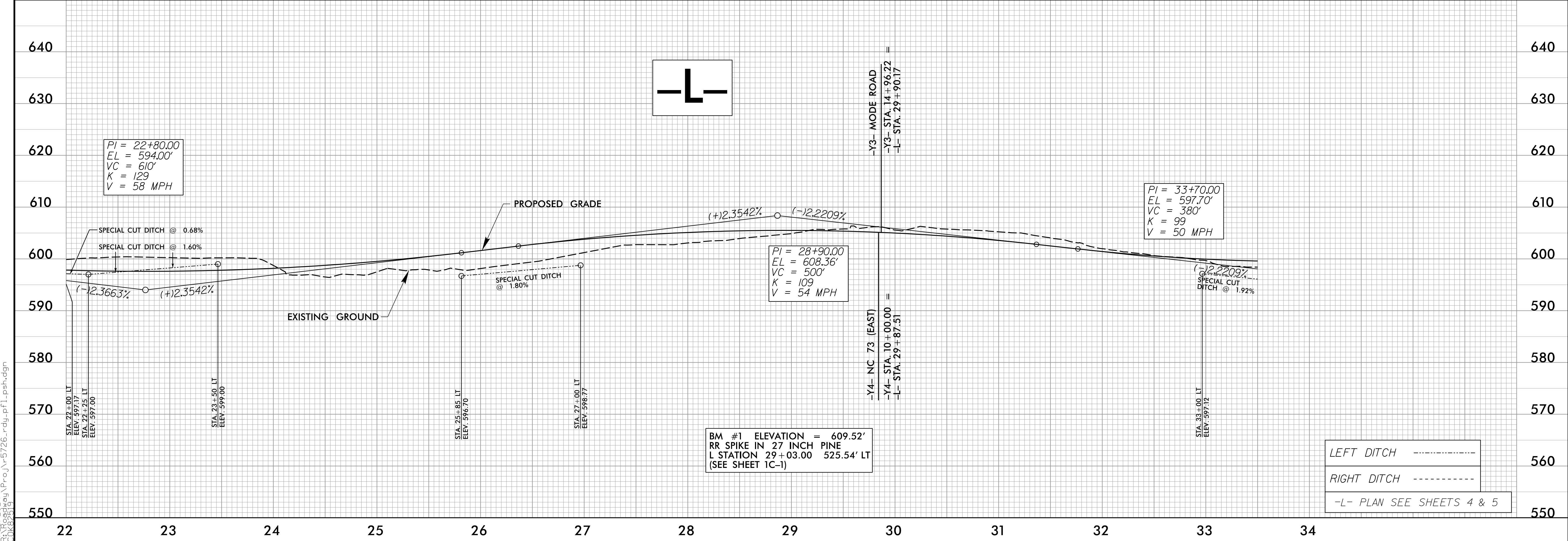
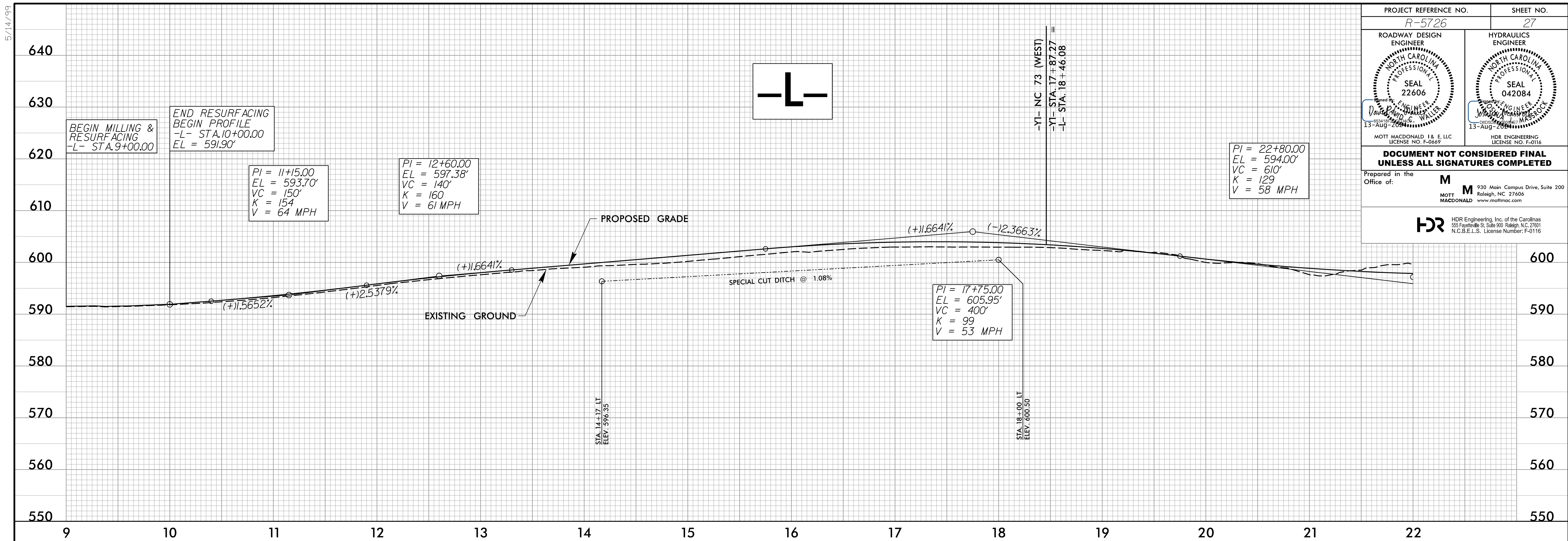
MATCHLINE -Y16- STA. 13+00.00 SEE SHEET NO. 13



ALL DRIVEWAY RADII ARE 10' UNLESS OTHERWISE NOTED ON PLANS.

7/29/2024
R:\Projects\4\Proj\5726_rdy_psh26.dgn
MATT MACDONALD

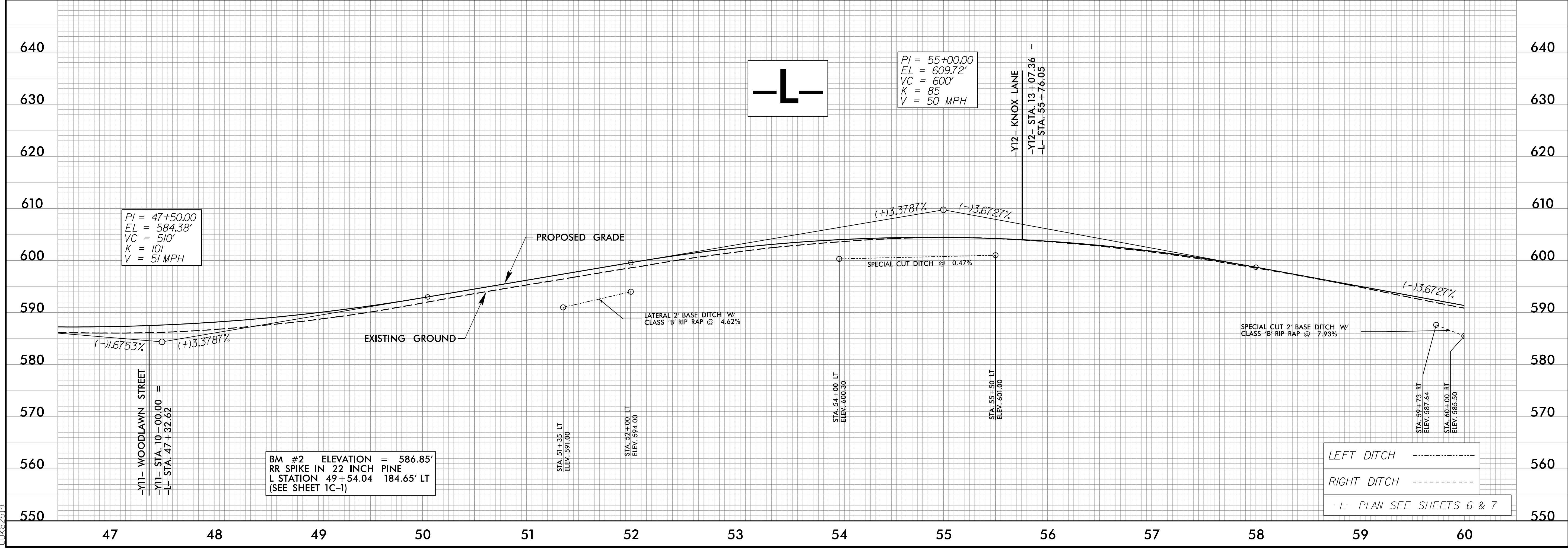
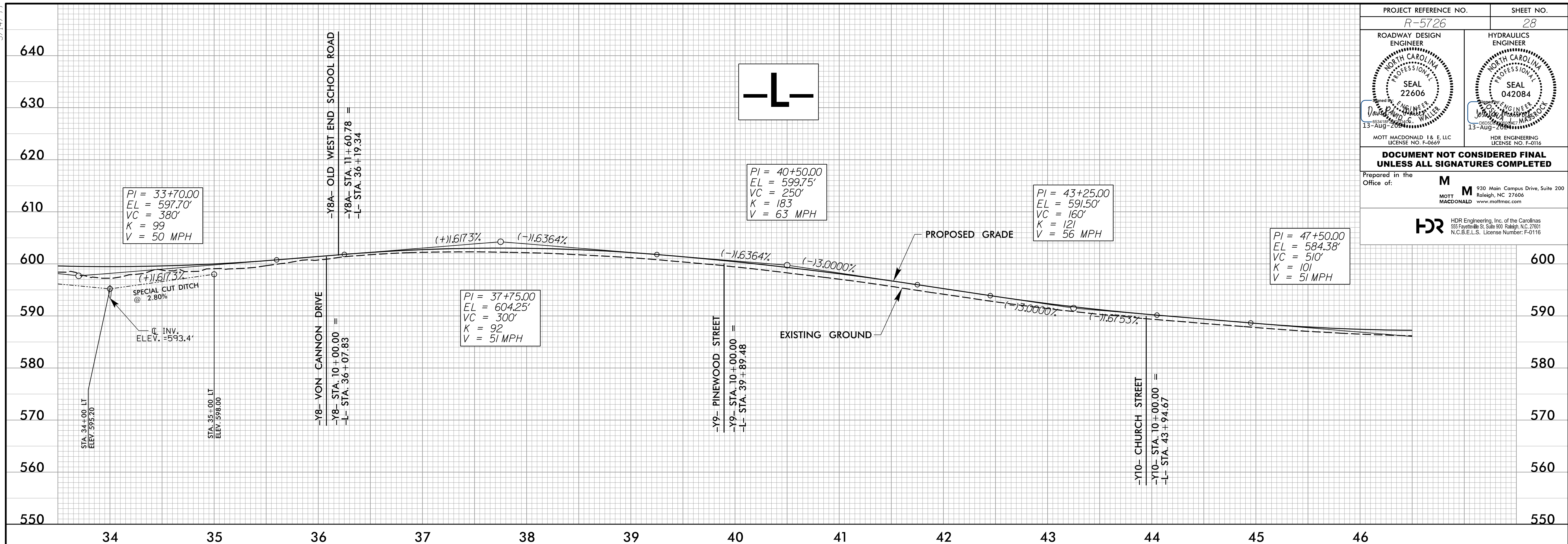
PROJECT REFERENCE NO. <i>R-5726</i>	SHEET NO. <i>27</i>
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 22606 <i>David P. Walker</i> 13-Aug-2019	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 042084 <i>Joseph C. Waller</i> 13-Aug-2019
MOTT MACDONALD I & E, LLC LICENSE NO. F-0669	
MOTT MACDONALD I & E, LLC LICENSE NO. F-0116	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of: M MOTT MACDONALD I & E, LLC 930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com	
HDR HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 800 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	



5/14/19
7/25/2024
R:\Projects\5726\Drawings\Profile\pfl_psh.dgn

5/14/19

PROJECT REFERENCE NO. R-5726	SHEET NO. 28
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 22606 DAVID P. WALKER 13-AUG-2019	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 042084 JOHN W. WALKER 13-AUG-2019
MOTT MACDONALD I & E, LLC LICENSE NO. F-0669	
MOTT MACDONALD 930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com	
HDR HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 800 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of: M	

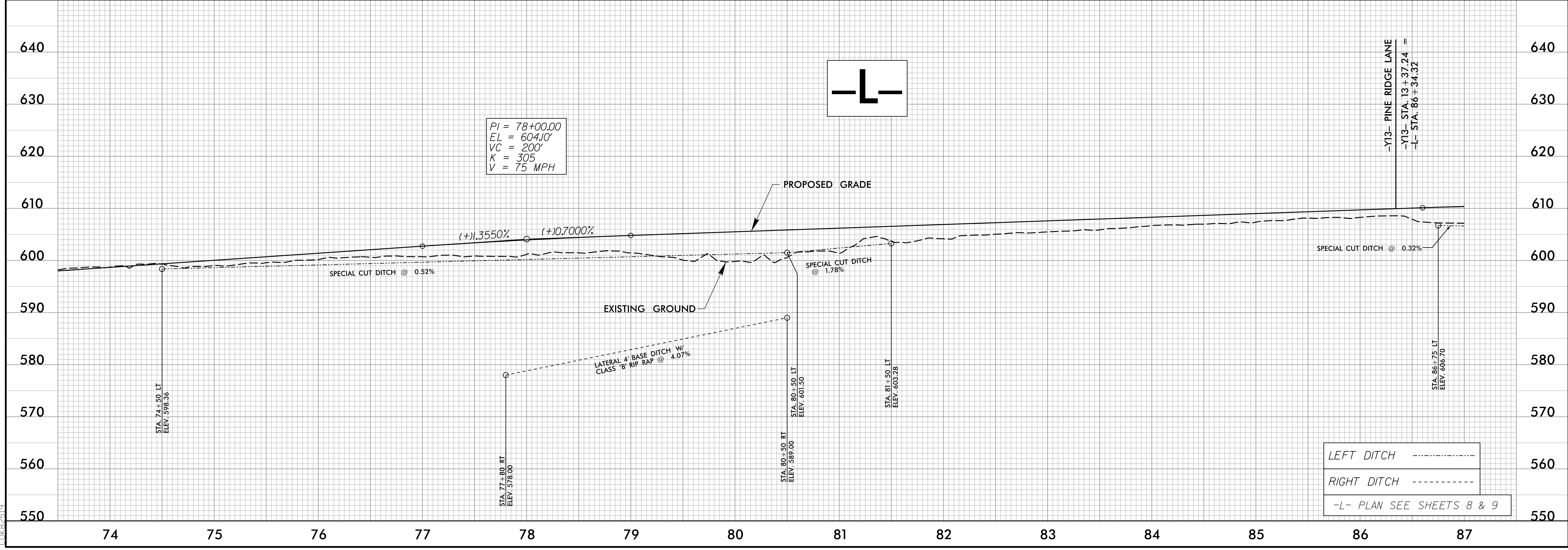
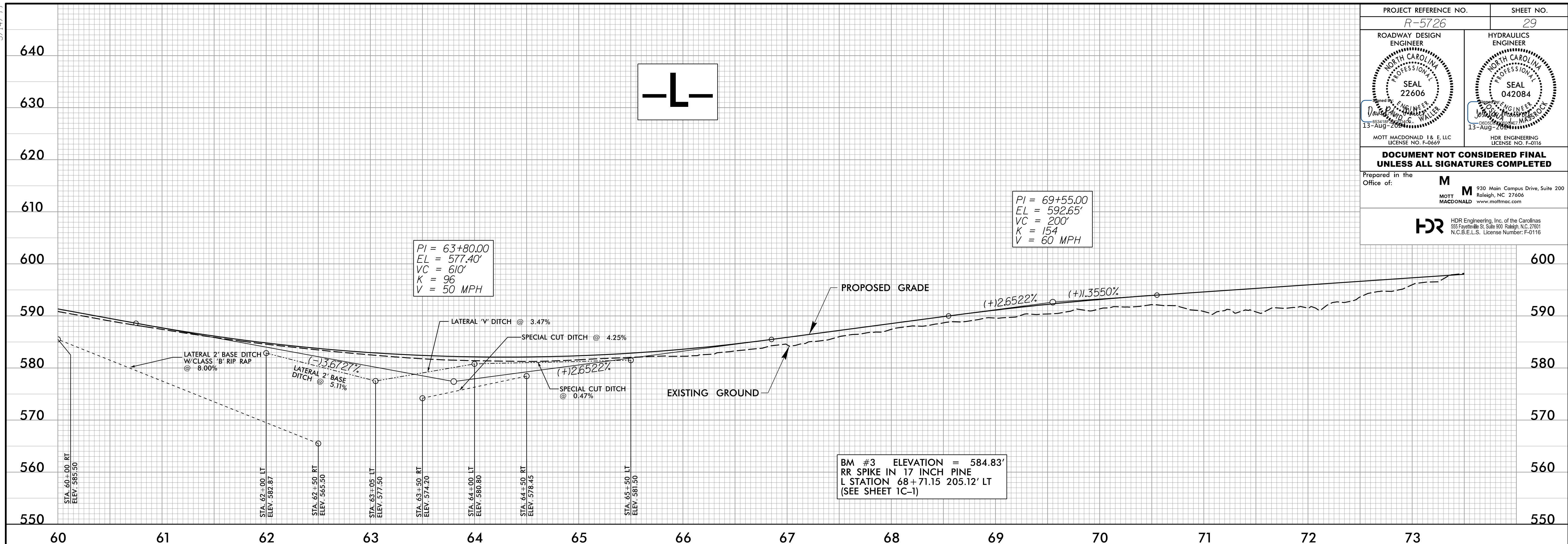


LEFT DITCH -----
 RIGHT DITCH -----
 -L- PLAN SEE SHEETS 6 & 7

7/25/2024
R:\Projects\5726\Drawings\Profile\psh.dgn

5/14/99

PROJECT REFERENCE NO. <i>R-5726</i>	SHEET NO. 29
ROADWAY DESIGN ENGINEER MOTT MACDONALD 1 & E, LLC LICENSE NO. F-0669	HYDRAULICS ENGINEER HDR ENGINEERING LICENSE NO. F-0116
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of: M MOTT MACDONALD 1 & E, LLC 930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com	
HDR HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 800 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	



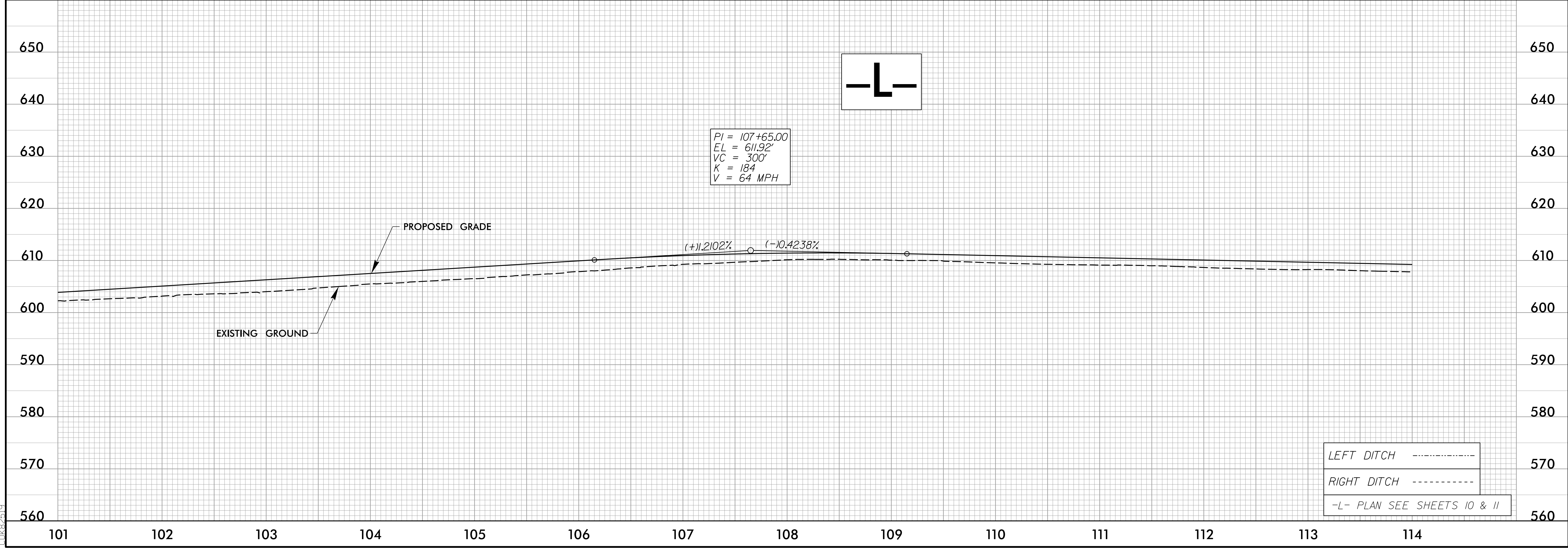
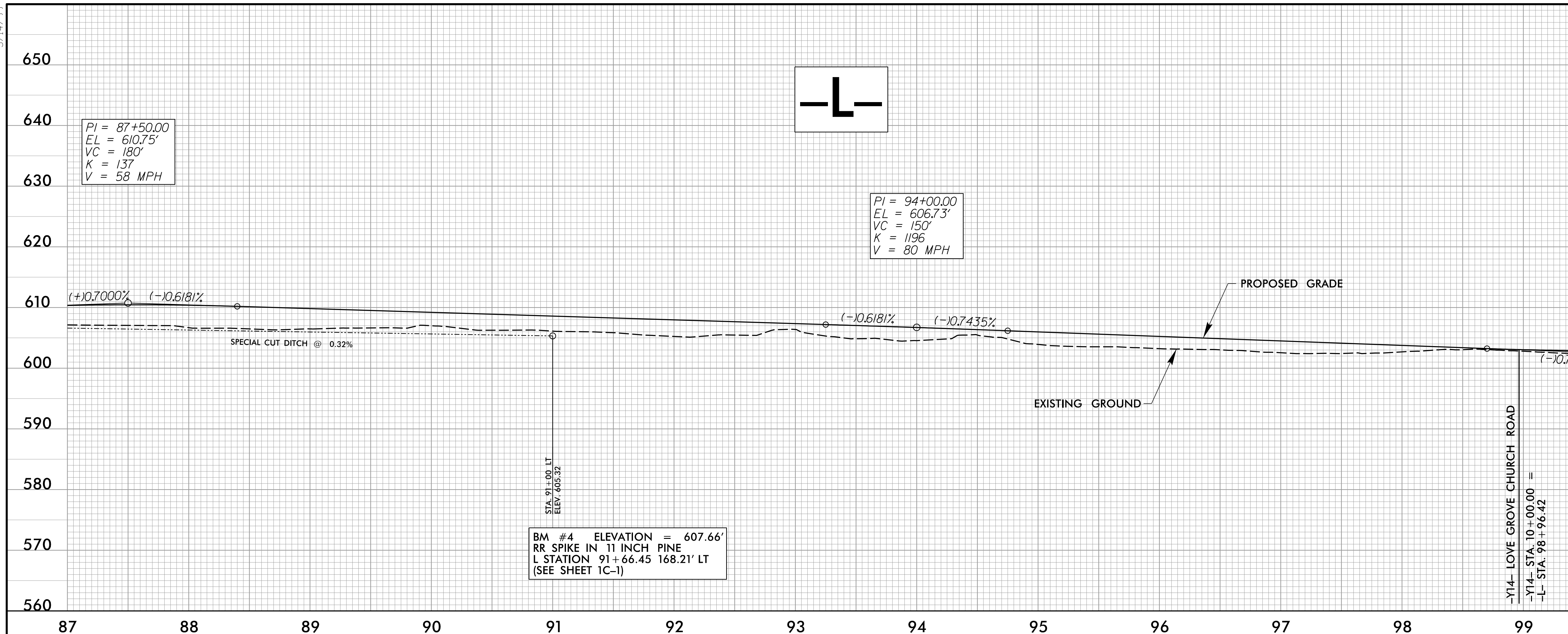
7/25/2024
R:\Projects\5726\Drawings\Profile\psh.dgn
C:\Users\psh\Documents\psh.dgn

5/14/99

PROJECT REFERENCE NO. <i>R-5726</i>	SHEET NO. <i>30</i>
ROADWAY DESIGN ENGINEER SEAL 22606 NORTH CAROLINA PROFESSIONAL ENGINEER 13-AUG-2004 DAVID W. WALKER	HYDRAULICS ENGINEER SEAL 042084 NORTH CAROLINA PROFESSIONAL ENGINEER 13-AUG-2004 JOHN W. WALKER
MOTT MACDONALD I & E, LLC LICENSE NO. F-0669	
MOTT MACDONALD 930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com	
HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 800 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	

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

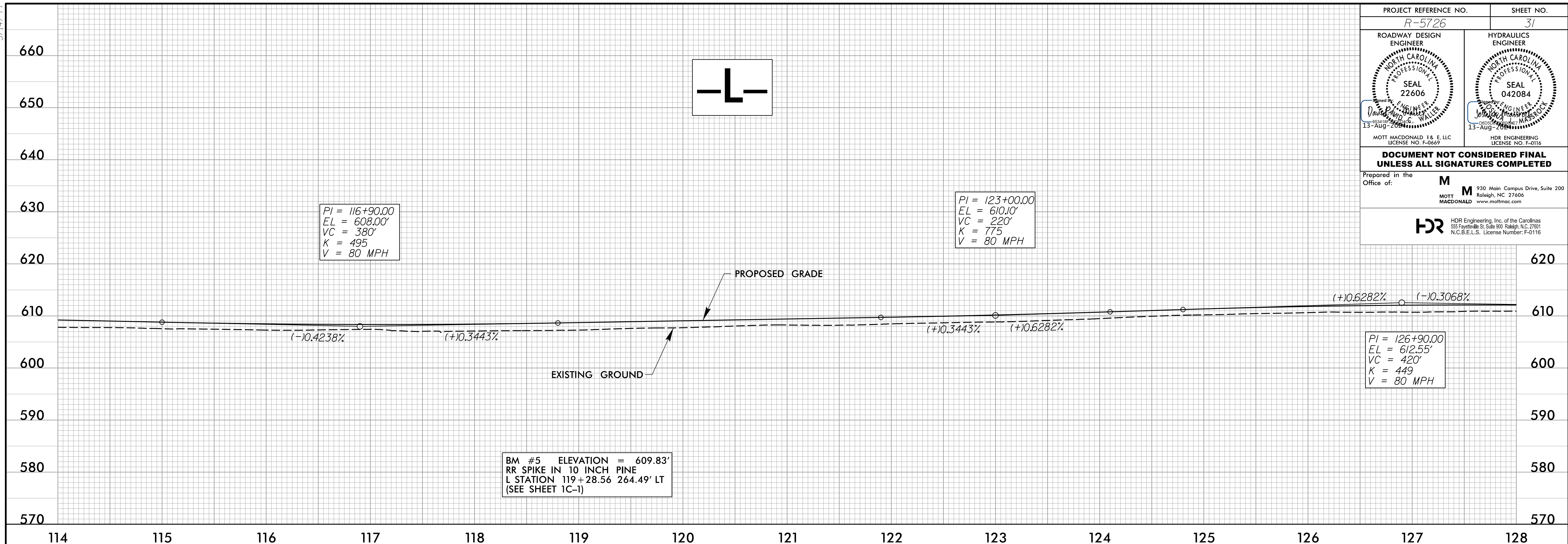
Prepared in the Office of: **M**



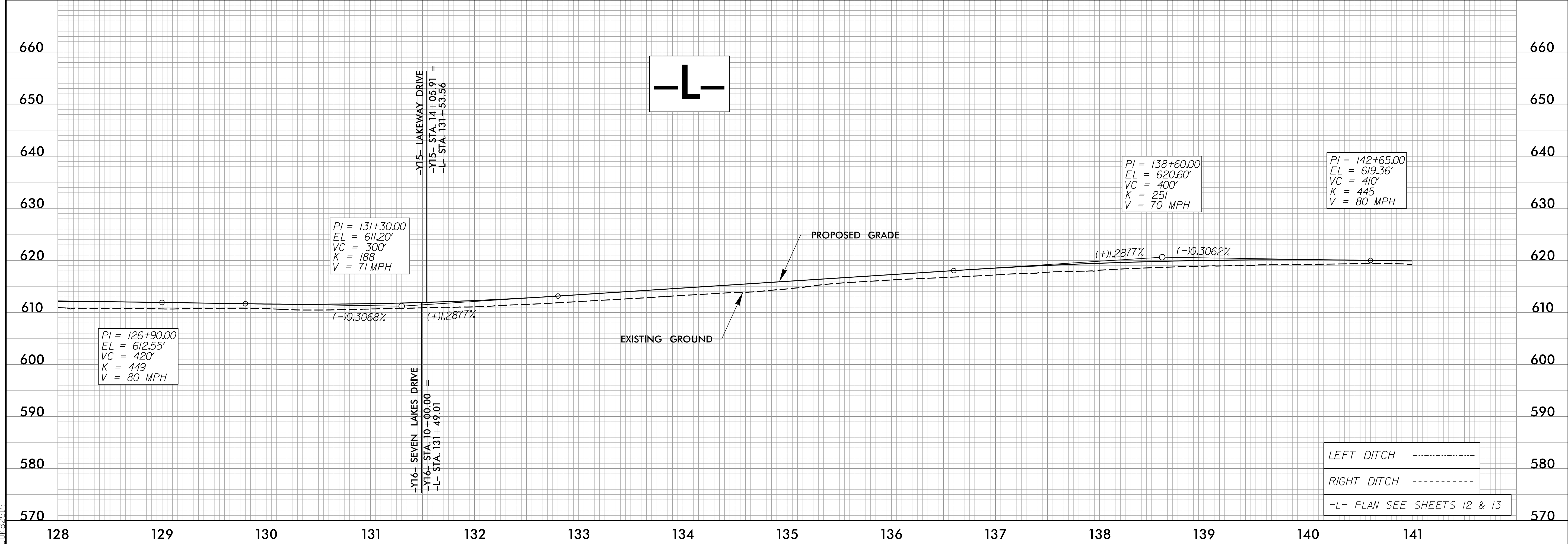
7/25/2004
R:\Projects\5726\Drawings\Profile\psh.dgn

5/14/99

PROJECT REFERENCE NO. <i>R-5726</i>	SHEET NO. <i>31</i>
ROADWAY DESIGN ENGINEER MOTT MACDONALD I & E, LLC LICENSE NO. F-0669	HYDRAULICS ENGINEER HDR ENGINEERING LICENSE NO. F-0116
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of: M MOTT MACDONALD	

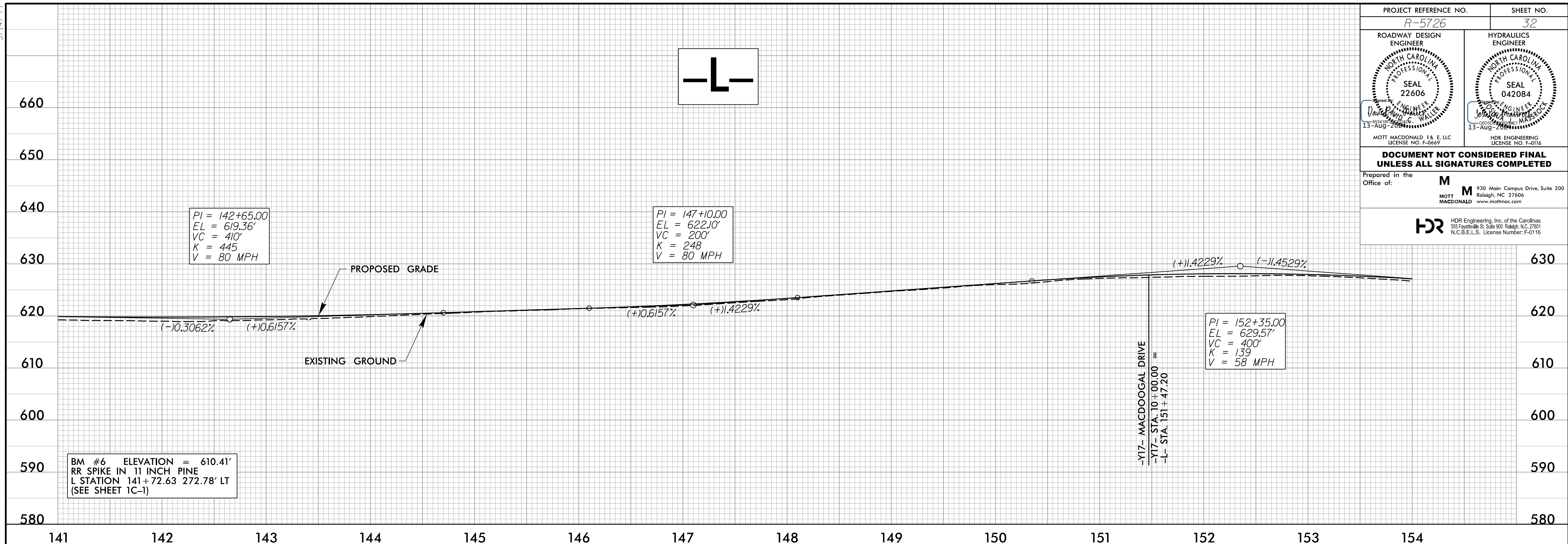


7/25/2024
R:\Projects\5726\Drawings\Profile\psh.dgn

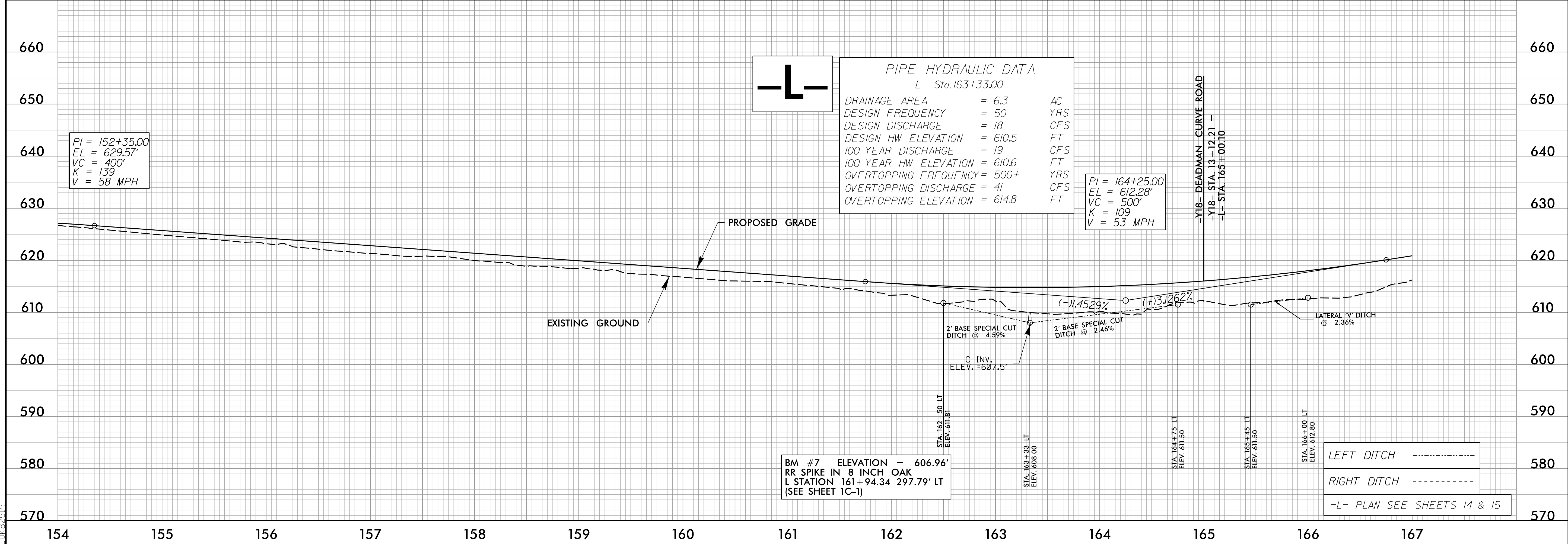


5/14/99

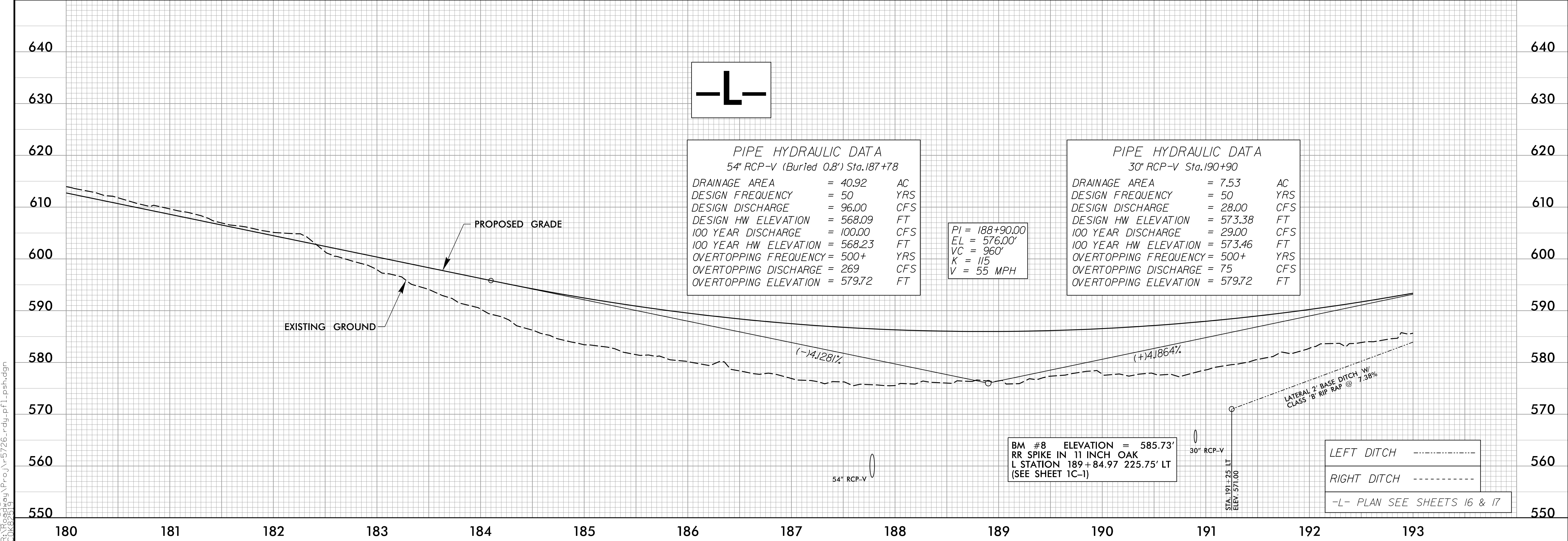
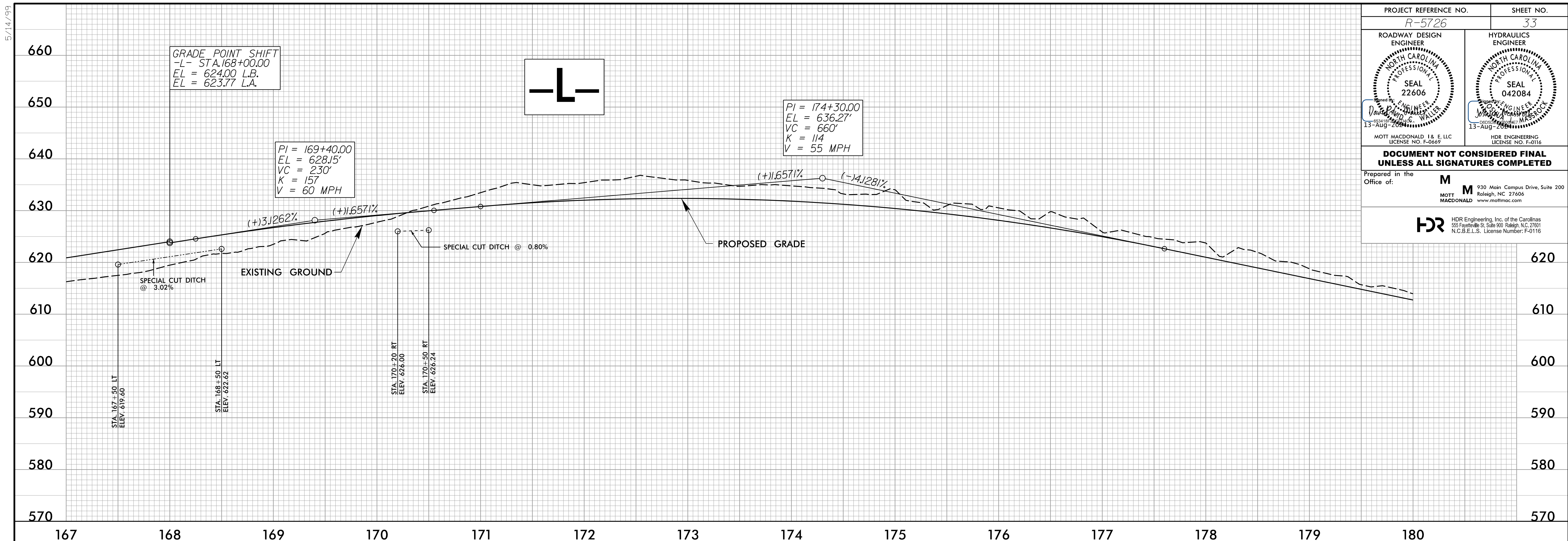
PROJECT REFERENCE NO. <i>R-5726</i>	SHEET NO. <i>32</i>
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 22606 13-Aug-2014	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 042084 13-Aug-2014
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of: M MOTT MACDONALD & E, LLC Raleigh, NC 27606 930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com	
HDR HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 800 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	



7/25/2024
R:\Projects\5726\Drawings\Profile\psh.dgn



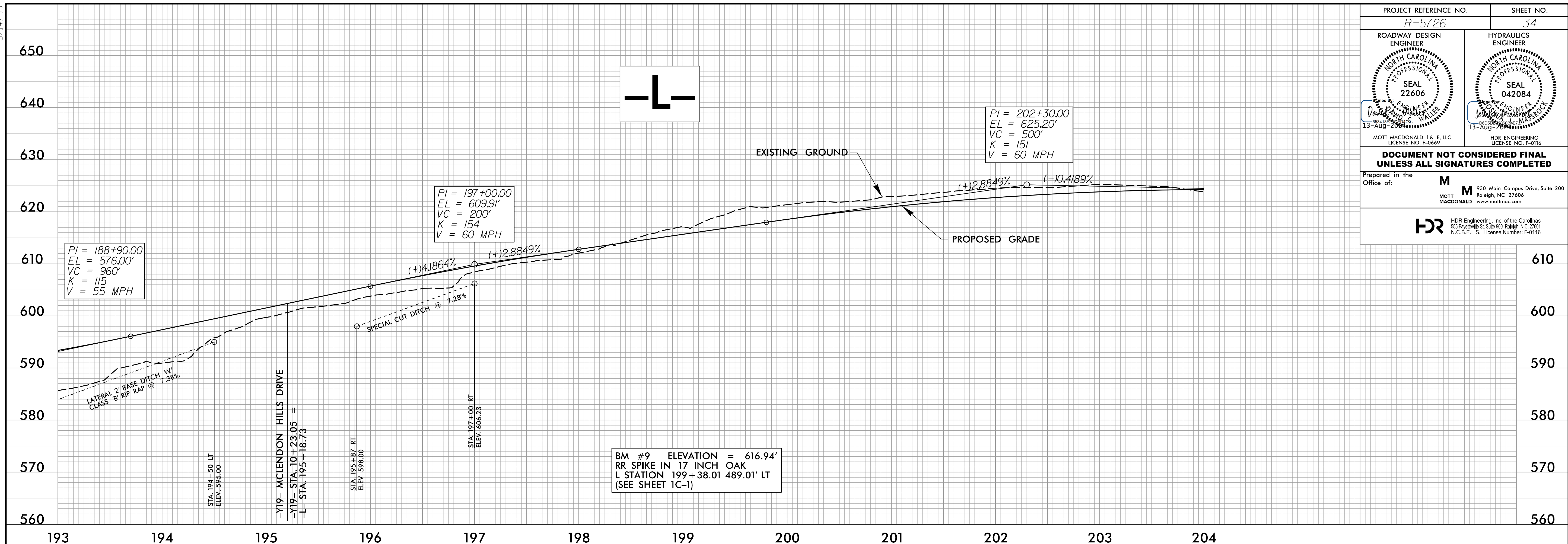
PROJECT REFERENCE NO. <i>R-5726</i>	SHEET NO. <i>33</i>
ROADWAY DESIGN ENGINEER MOTT MACDONALD 1 & E, LLC LICENSE NO. F-0669	HYDRAULICS ENGINEER MOTT MACDONALD 1 & E, LLC LICENSE NO. F-0116
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of: M MOTT MACDONALD	
HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 800 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	



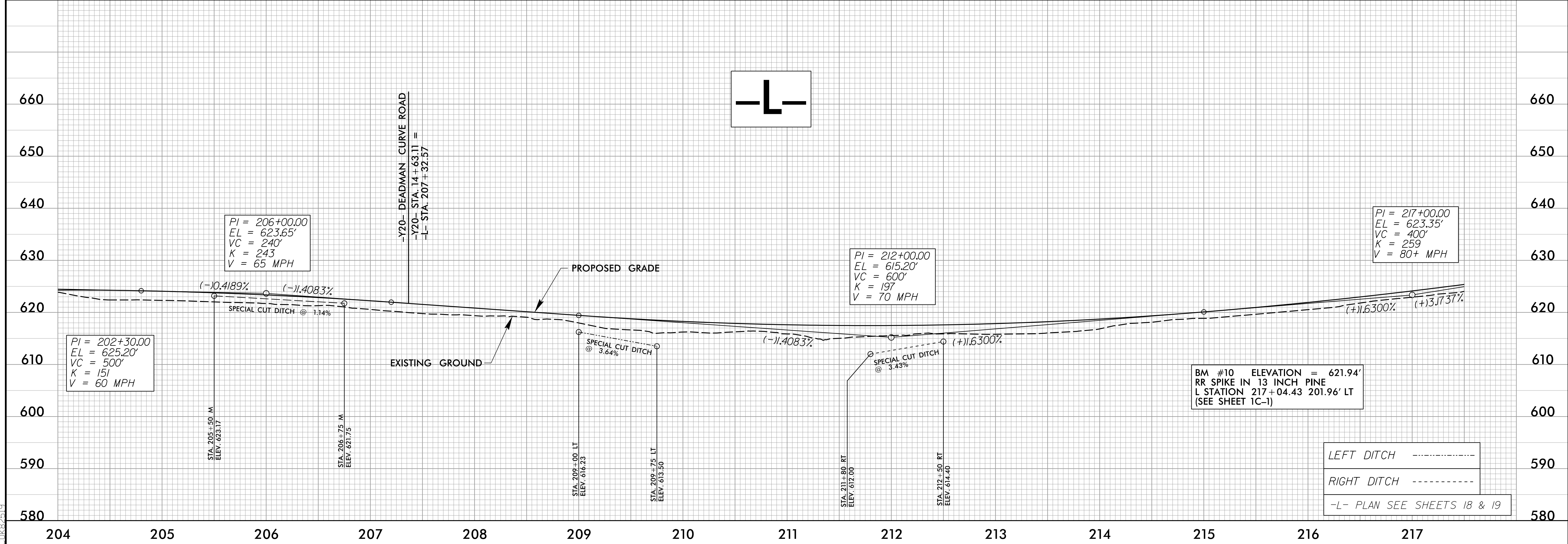
5/14/99
7/25/2024
R:\Projects\5726\Drawings\Profile\psh.dgn

5/14/99

PROJECT REFERENCE NO. <i>R-5726</i>	SHEET NO. 34
ROADWAY DESIGN ENGINEER SEAL 22606 MOTT MACDONALD 1 & E, LLC LICENSE NO. F-0669	HYDRAULICS ENGINEER SEAL 042084 MOTT MACDONALD 1 & E, LLC LICENSE NO. F-0116
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of: M MOTT MACDONALD	
HDR HDR Engineering, Inc. of the Carolinas 930 Main Campus Drive, Suite 200 Raleigh, NC 27606 555 Fayetteville St., Suite 800 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	



7/25/2004
R:\Projects\5726\Drawings\Profile\psh.dgn



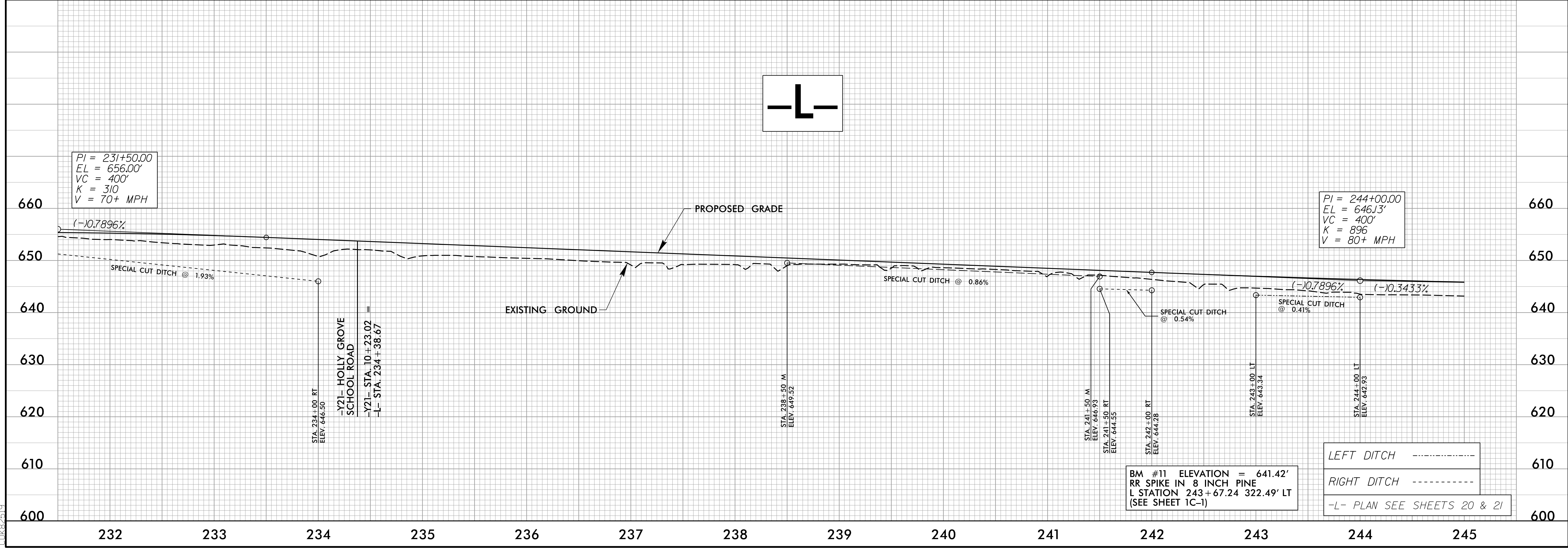
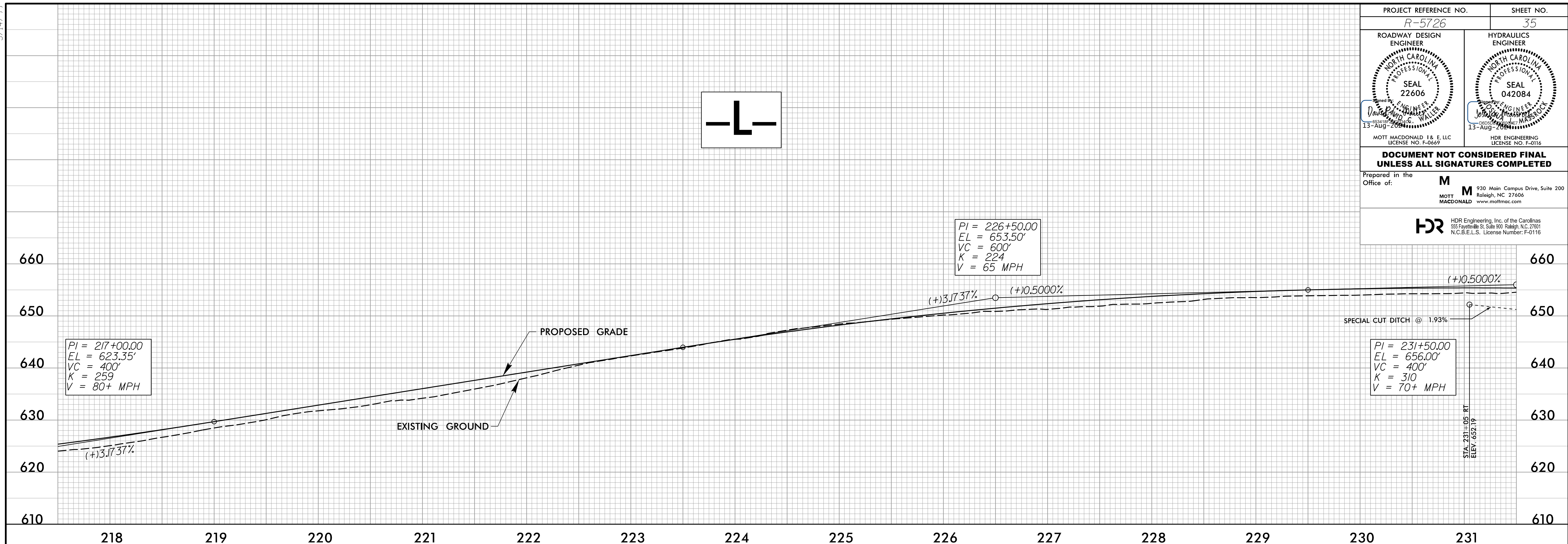
LEFT DITCH -----

RIGHT DITCH -----

-L- PLAN SEE SHEETS 18 & 19

5/14/99

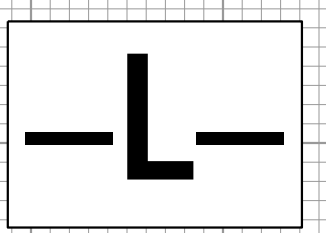
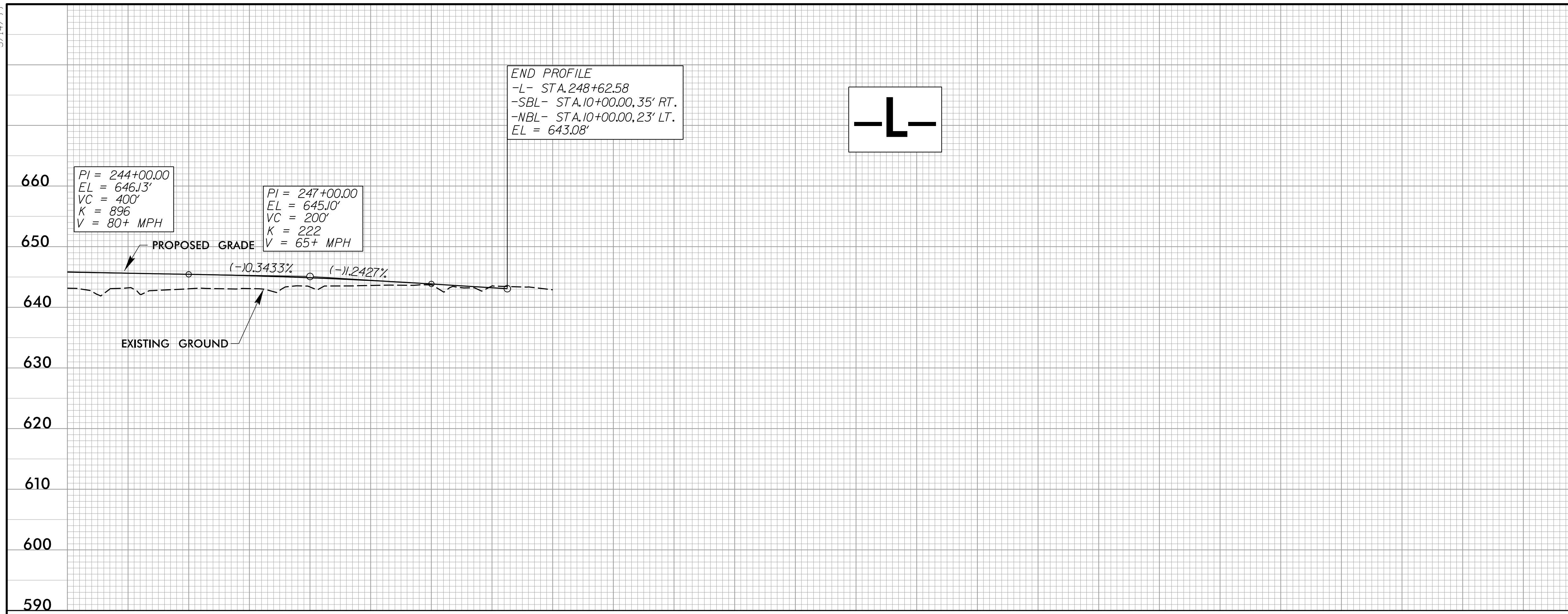
PROJECT REFERENCE NO. <i>R-5726</i>	SHEET NO. <i>35</i>
ROADWAY DESIGN ENGINEER MOTT MACDONALD I & E, LLC LICENSE NO. F-0669	HYDRAULICS ENGINEER HDR ENGINEERING LICENSE NO. F-0116
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of: M MOTT MACDONALD I & E, LLC 930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com	
HDR HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 800 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	



7/25/2024
R:\Projects\5726\Drawings\Profile\psh.dgn

5/14/99

PROJECT REFERENCE NO. <i>R-5726</i>	SHEET NO. <i>36</i>
ROADWAY DESIGN ENGINEER MOTT MACDONALD I & E, LLC LICENSE NO. F-0669	HYDRAULICS ENGINEER HDR ENGINEERING LICENSE NO. F-0116
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of:	
M MOTT MACDONALD	M HDR ENGINEERING
<small>930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com</small>	
<small>HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 800 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116</small>	



LEFT DITCH -----

RIGHT DITCH -----

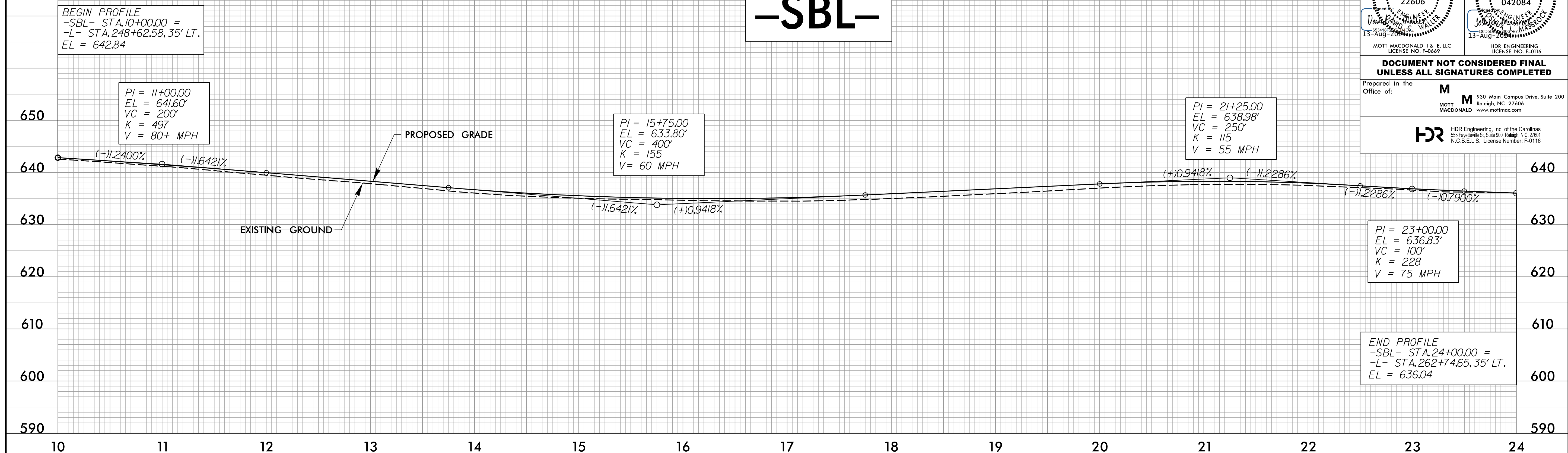
-L- PLANS SEE SHEETS 22 & 23

7/25/2024
R:\Projects\5726\Drawings\Profile\psh.dgn

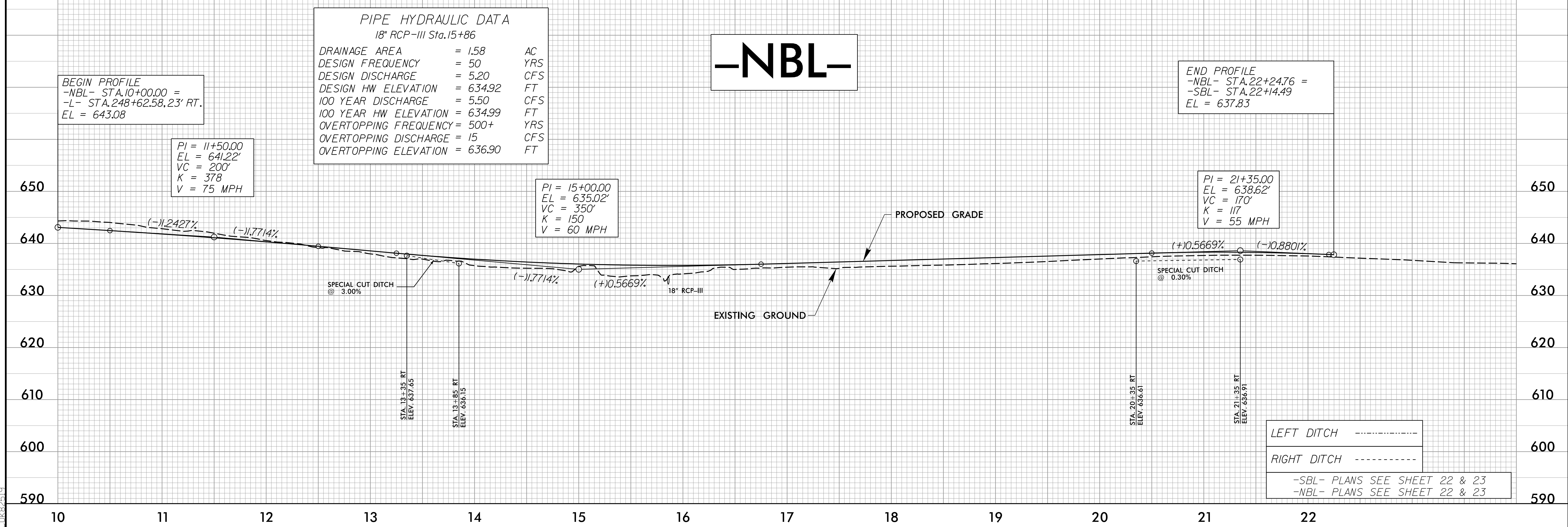
5/14/99

PROJECT REFERENCE NO. <i>R-5726</i>	SHEET NO. 37
ROADWAY DESIGN ENGINEER SEAL 22606 MOTT MACDONALD 1 & E, LLC LICENSE NO. F-0669	HYDRAULICS ENGINEER SEAL 042084 HDR ENGINEERING LICENSE NO. F-0116
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of: M MOTT MACDONALD 930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com	
HDR HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 800 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	

-SBL-



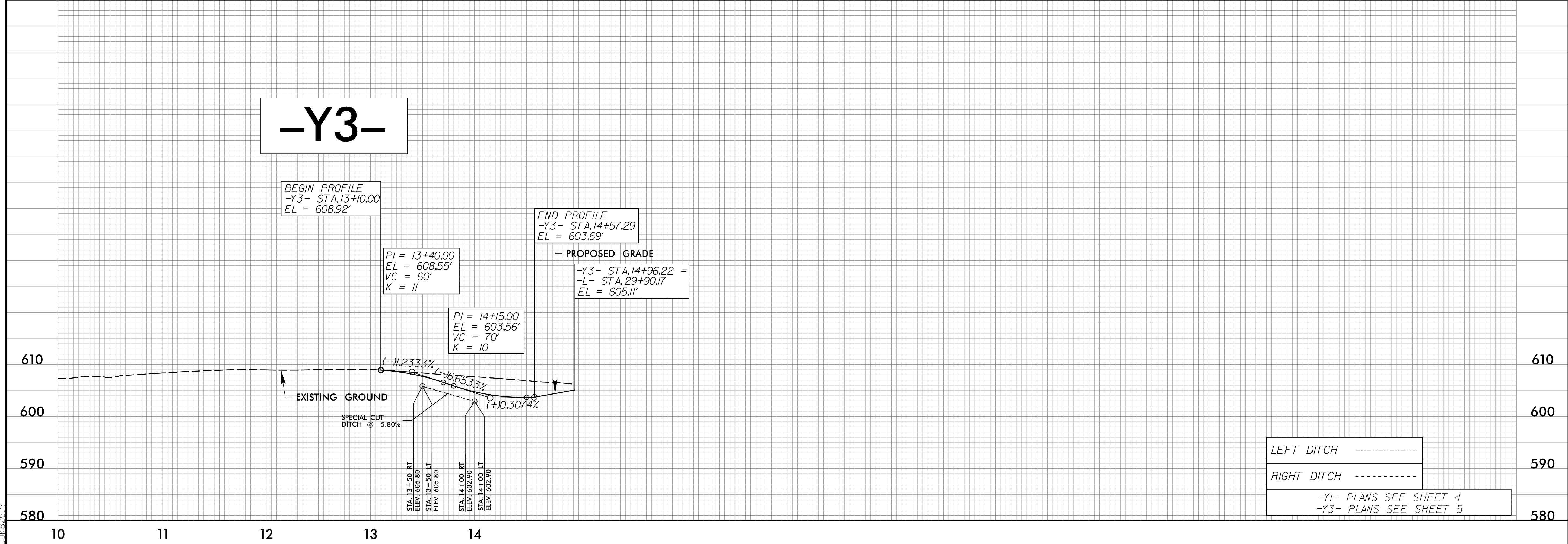
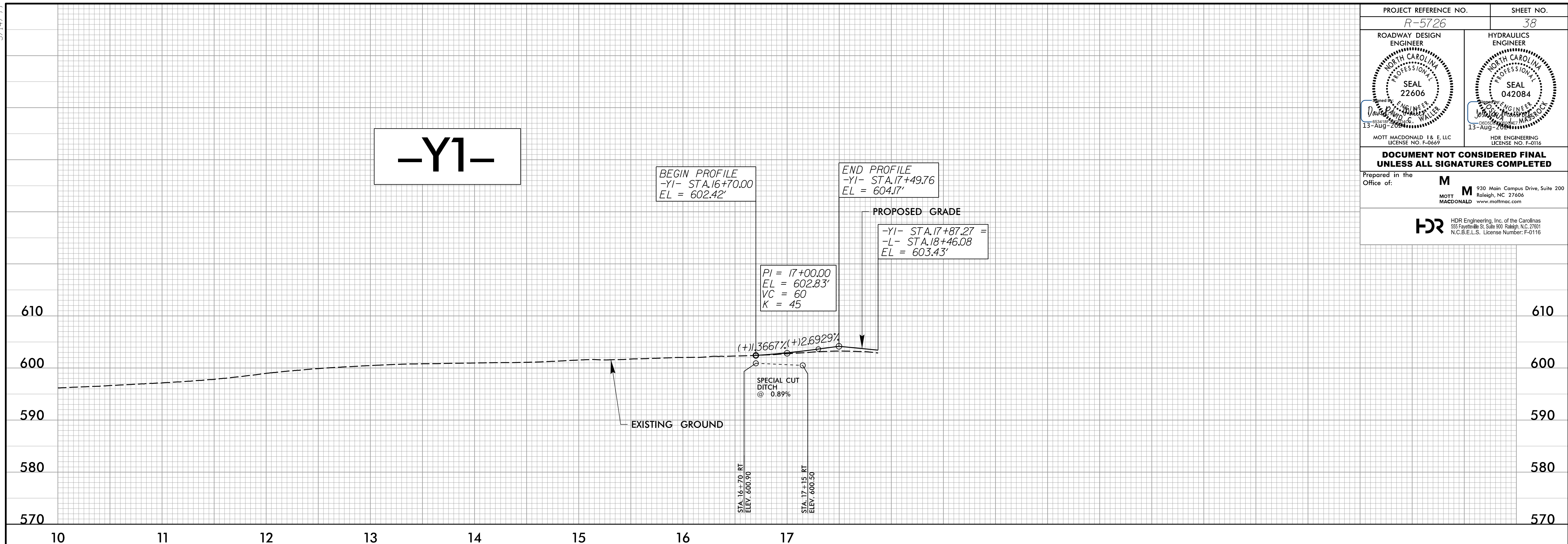
-NBL-



7/25/2024
R:\Projects\5726\Drawings\NBL\5726_rdy.pfl_psh.dgn
C:\Users\jps\Documents

5/14/99

PROJECT REFERENCE NO. <i>R-5726</i>	SHEET NO. <i>38</i>
ROADWAY DESIGN ENGINEER SEAL 22606 MOTT MACDONALD I & E, LLC LICENSE NO. F-0669	HYDRAULICS ENGINEER SEAL 042084 MOTT MACDONALD I & E, LLC LICENSE NO. F-0116
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of: M MOTT MACDONALD I & E, LLC 930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com	
HDR HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 800 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	

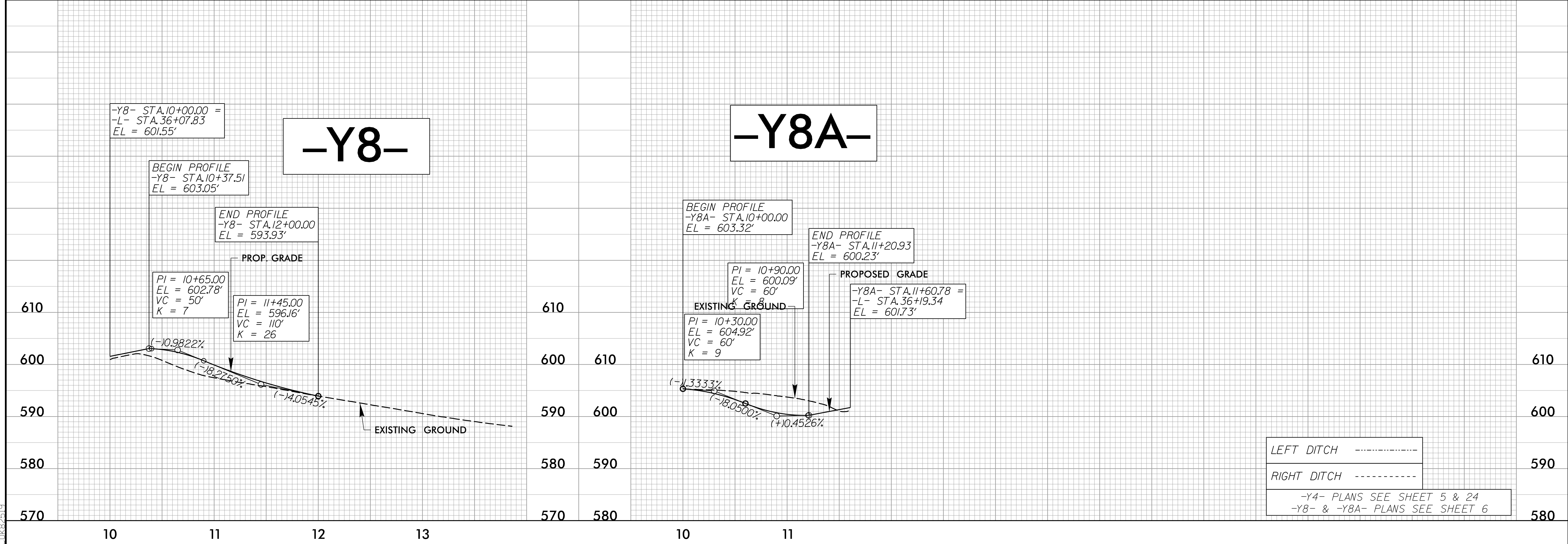
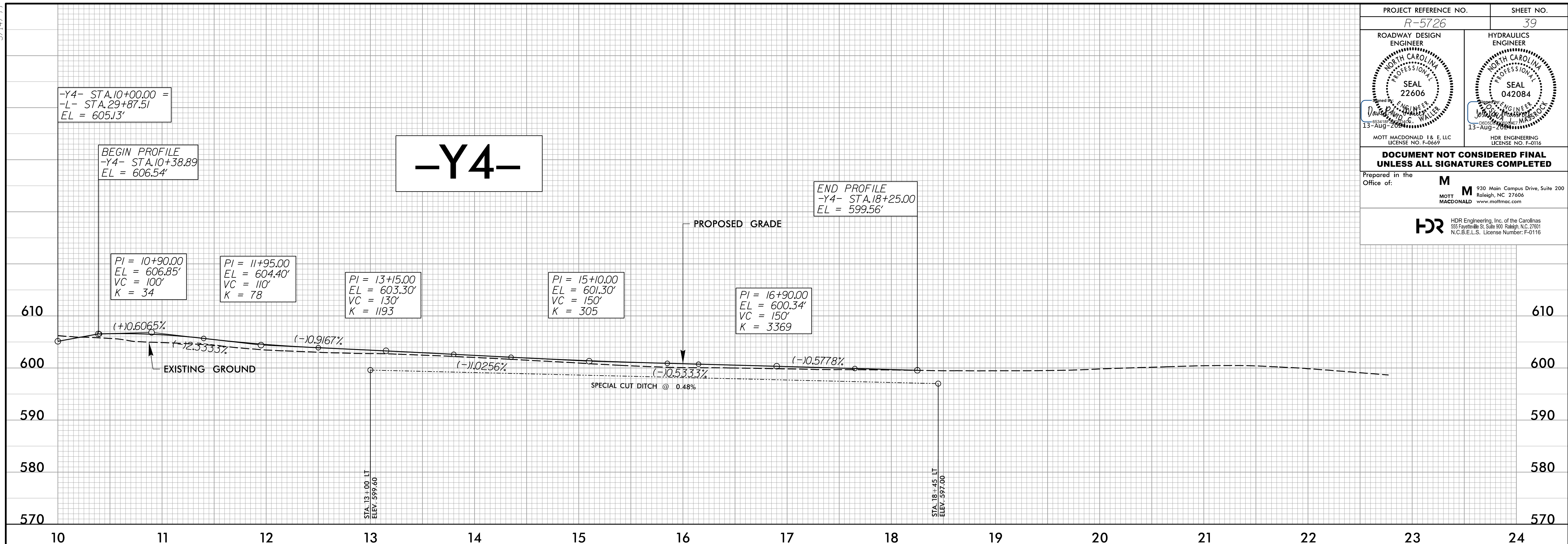


LEFT DITCH - - - - -
 RIGHT DITCH - - - - -
 -Y1- PLANS SEE SHEET 4
 -Y3- PLANS SEE SHEET 5

7/25/2004
 R:\Projects\5726\Drawings\Profile\p1.psdgn
 13:28:15

5/14/99

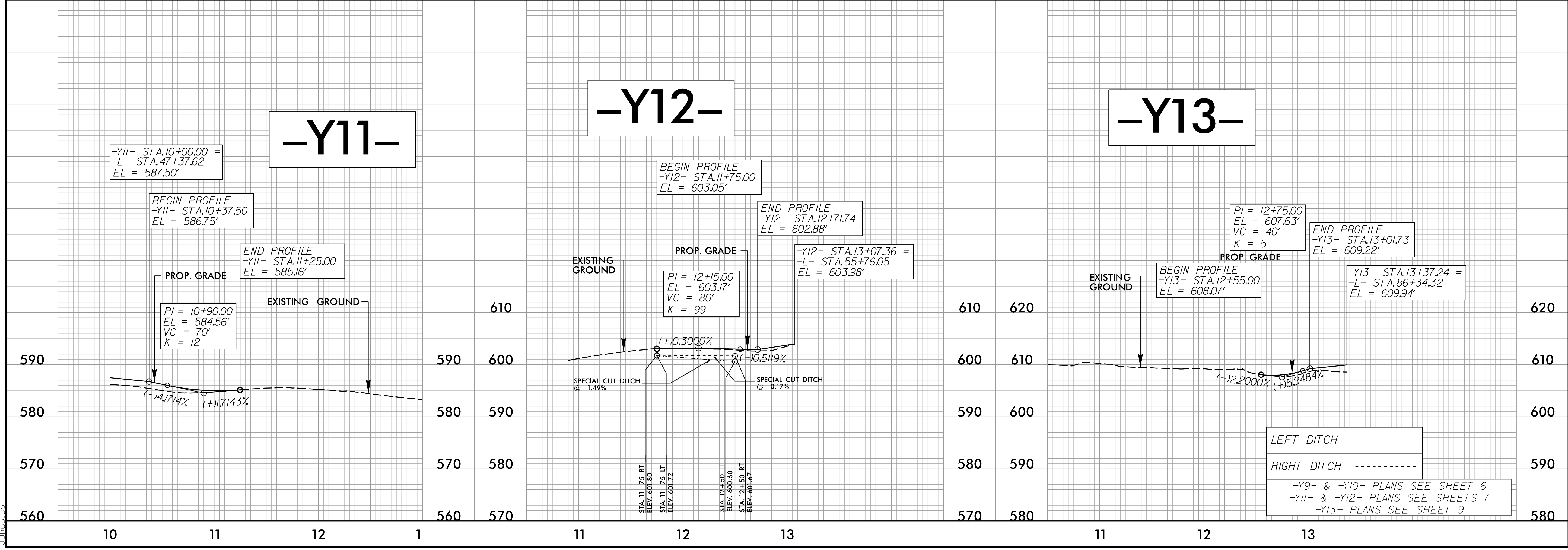
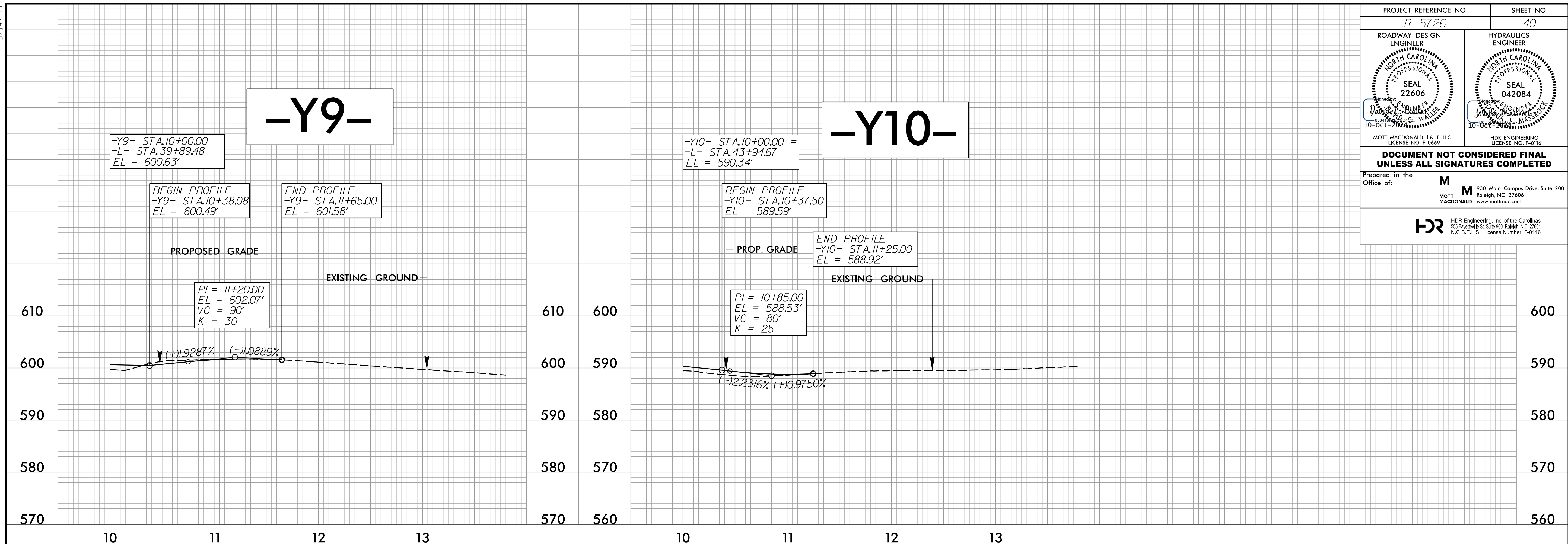
PROJECT REFERENCE NO. R-5726	SHEET NO. 39
ROADWAY DESIGN ENGINEER MOTT MACDONALD 1 & E, LLC LICENSE NO. F-0669	HYDRAULICS ENGINEER MOTT MACDONALD 1 & E, LLC LICENSE NO. F-0116
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of:	
HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 800 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	



7/25/2024 R:\Projects\5726\Drawings\Profile\psh.dgn

5/14/99

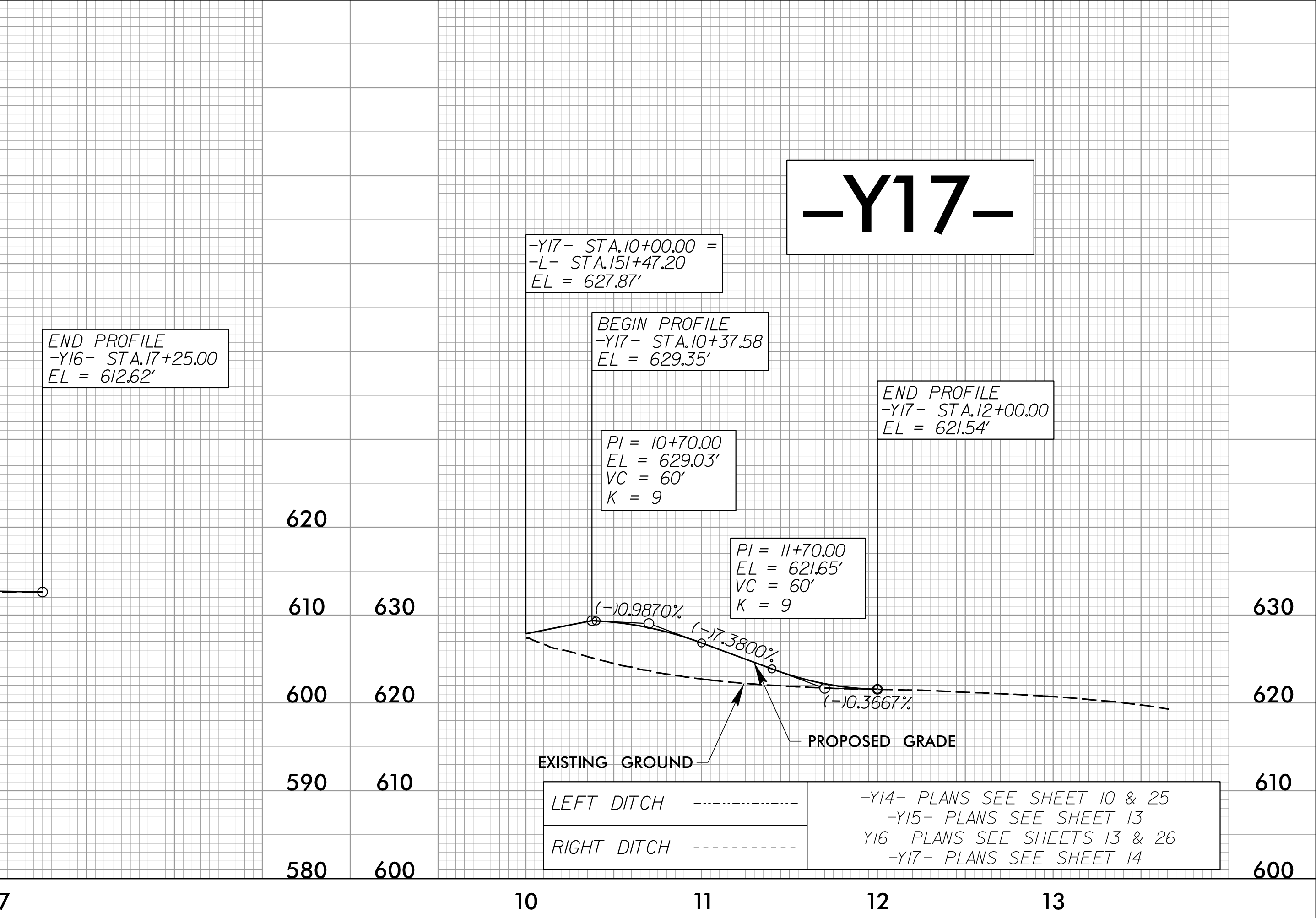
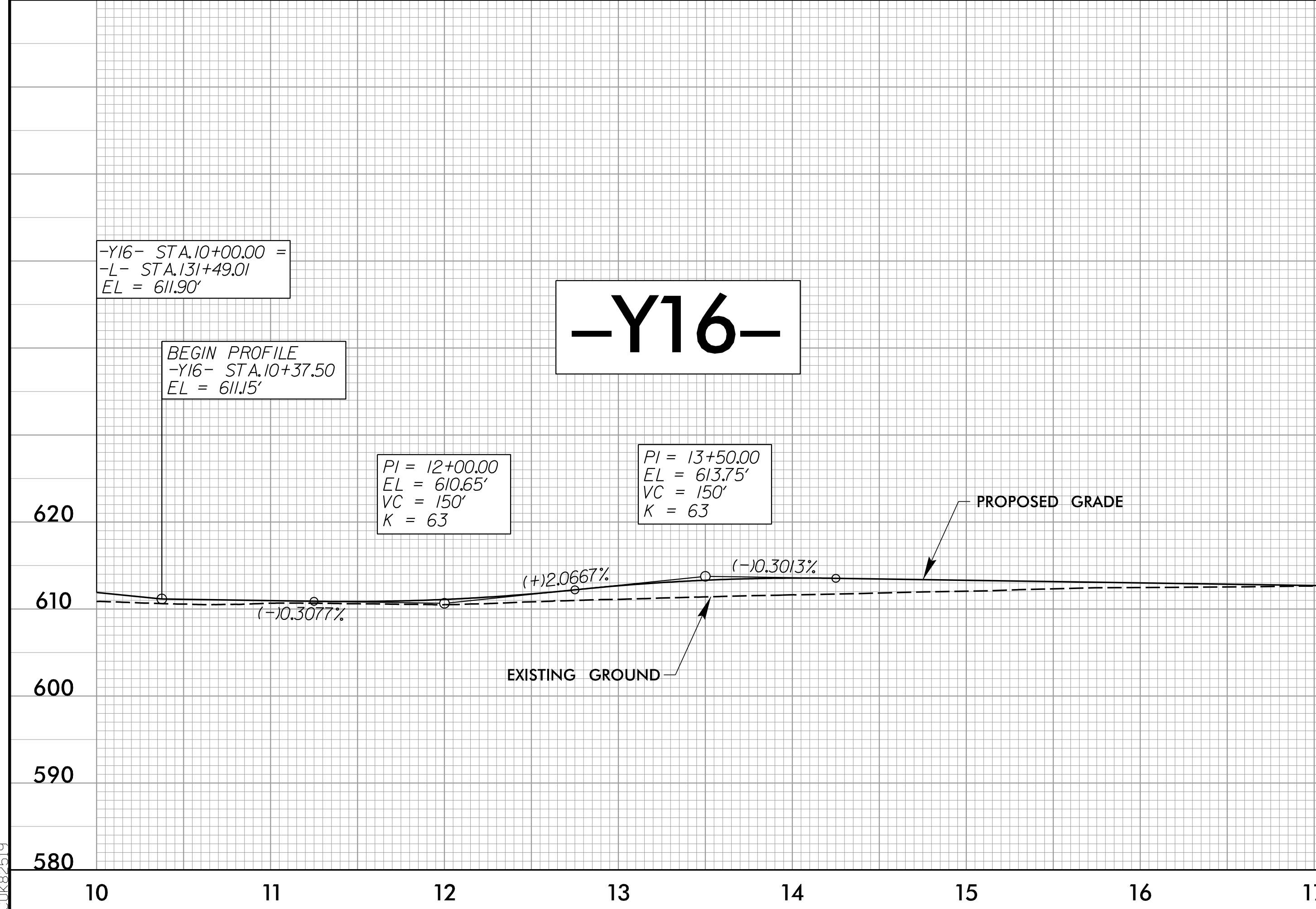
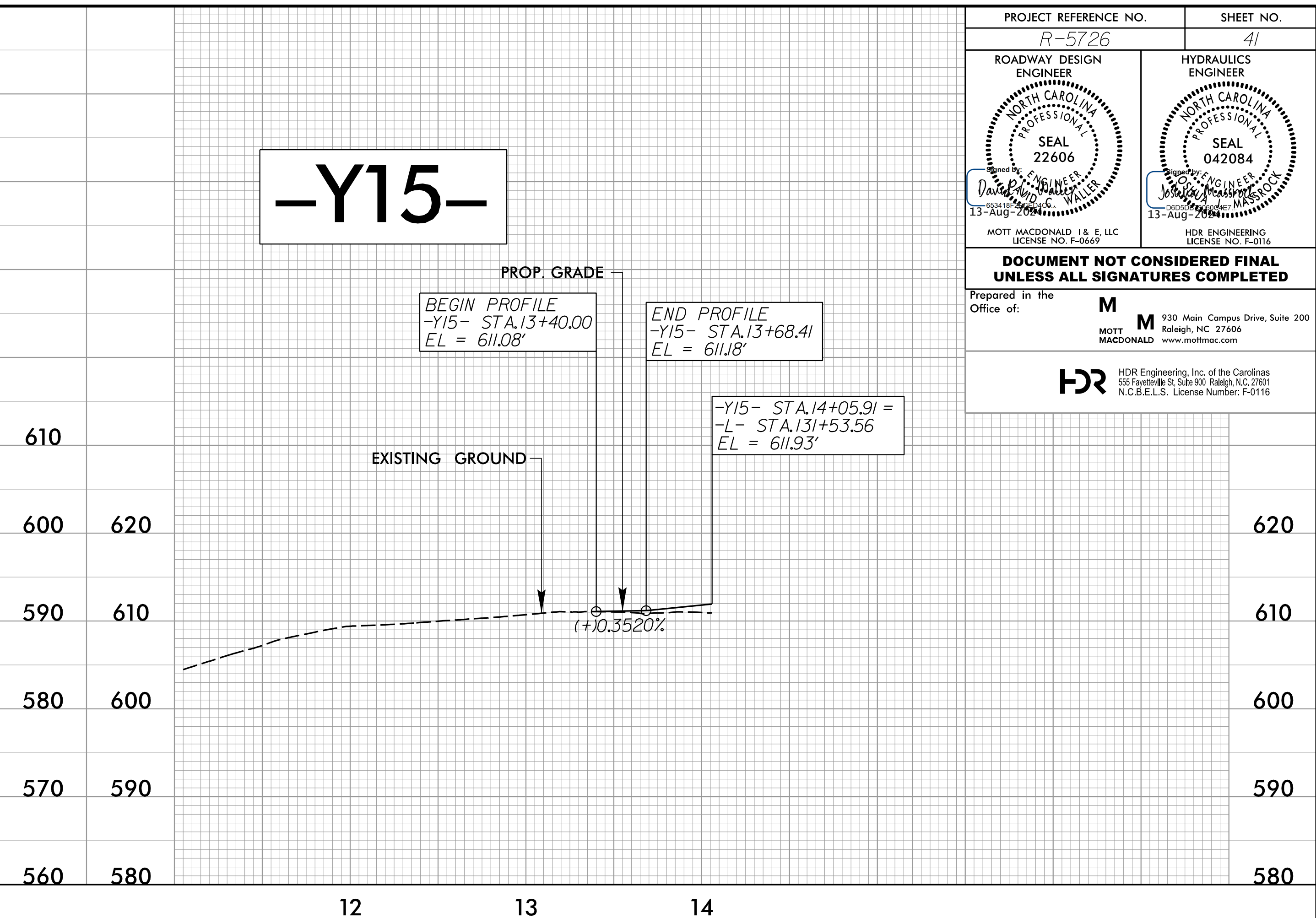
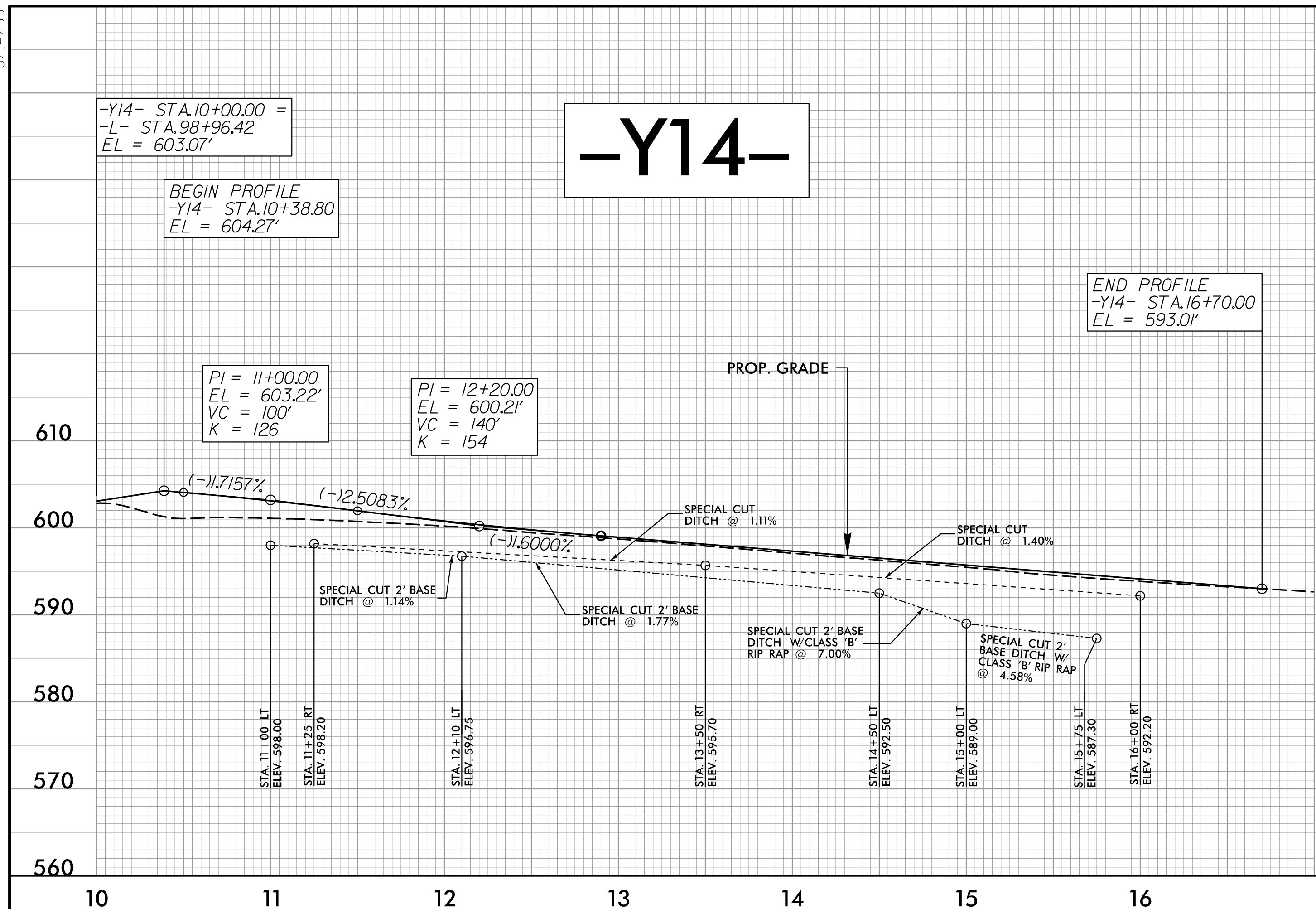
PROJECT REFERENCE NO. R-5726	SHEET NO. 40
ROADWAY DESIGN ENGINEER MOTT MACDONALD 1 & E, LLC LICENSE NO. F-0669	HYDRAULICS ENGINEER MOTT MACDONALD 1 & E, LLC LICENSE NO. F-0116
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of: M MOTT MACDONALD 1 & E, LLC 930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com	
 HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 800 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	



10/10/2004
R:\Projects\5726\Drawings\Profile\psh.dgn

5/14/99

PROJECT REFERENCE NO. R-5726	SHEET NO. 41
ROADWAY DESIGN ENGINEER MOTT MACDONALD & E, LLC 13-Aug-2004	HYDRAULICS ENGINEER MOTT MACDONALD & E, LLC 13-Aug-2004
SEAL 22606	SEAL 042084
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared in the Office of: M MOTT MACDONALD & E, LLC 930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com	
HDR HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116	



LEFT DITCH -----

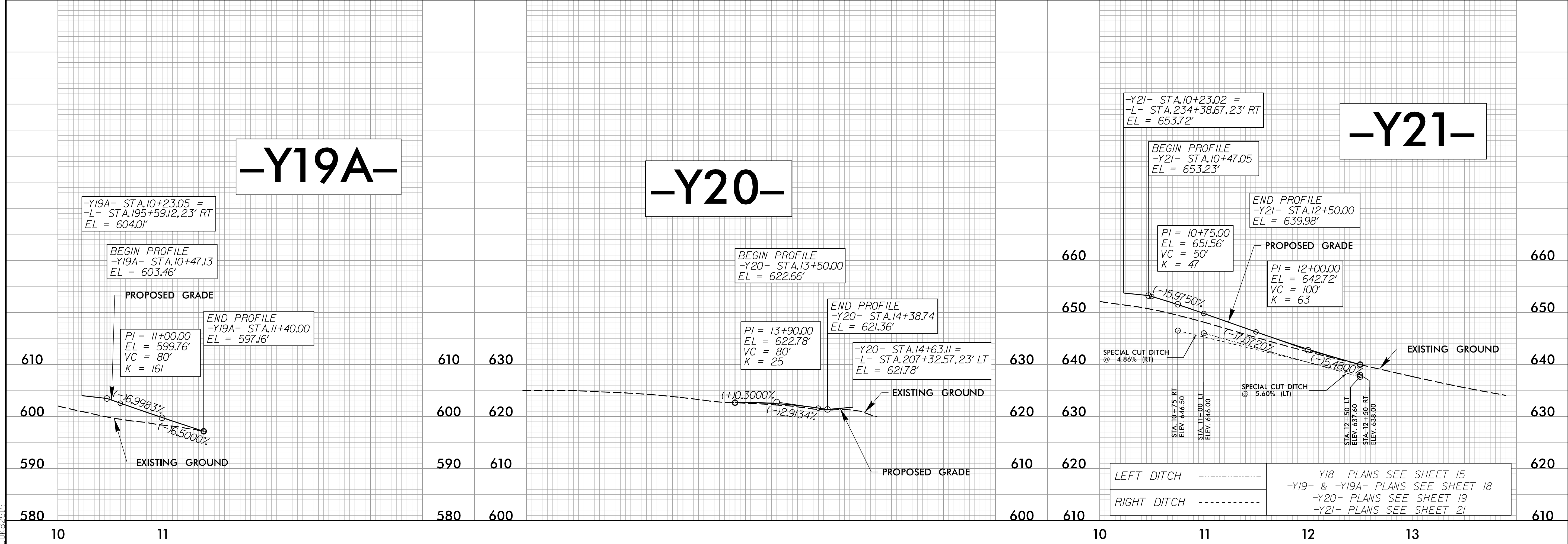
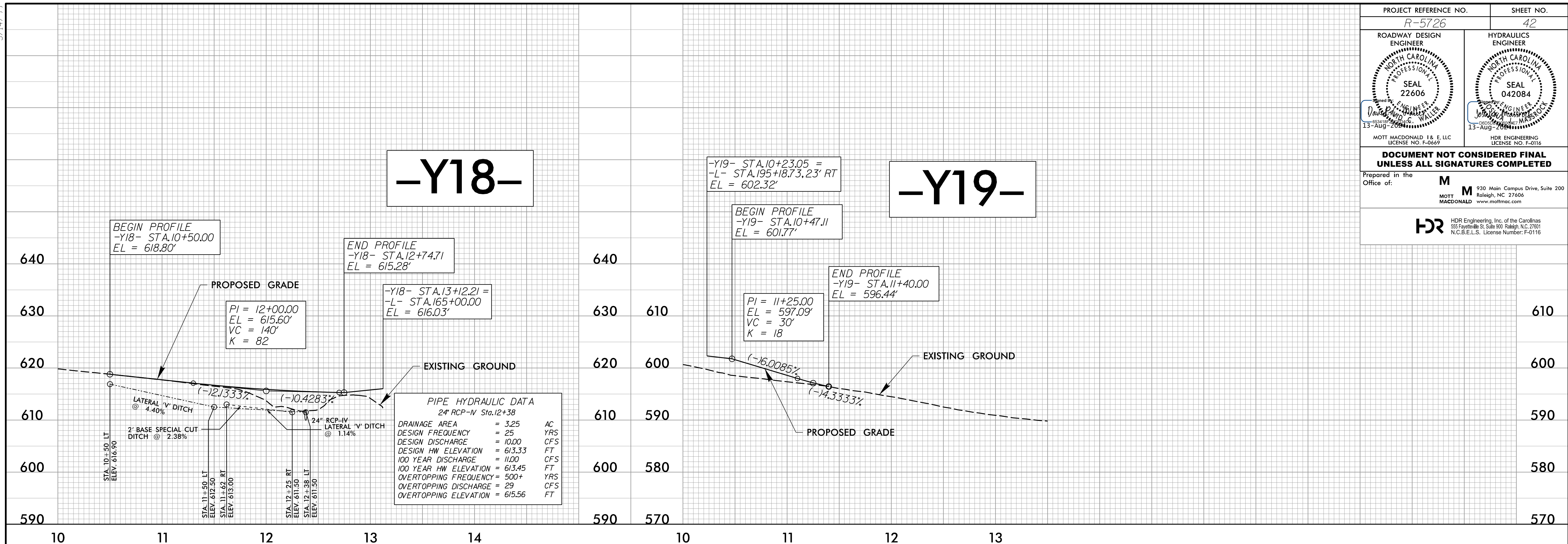
RIGHT DITCH -----

-Y14- PLANS SEE SHEET 10 & 25
-Y15- PLANS SEE SHEET 13
-Y16- PLANS SEE SHEETS 13 & 26
-Y17- PLANS SEE SHEET 14

7/25/2004
R:\Projects\5726\Drawings\Profile\psh.dgn

5/14/99

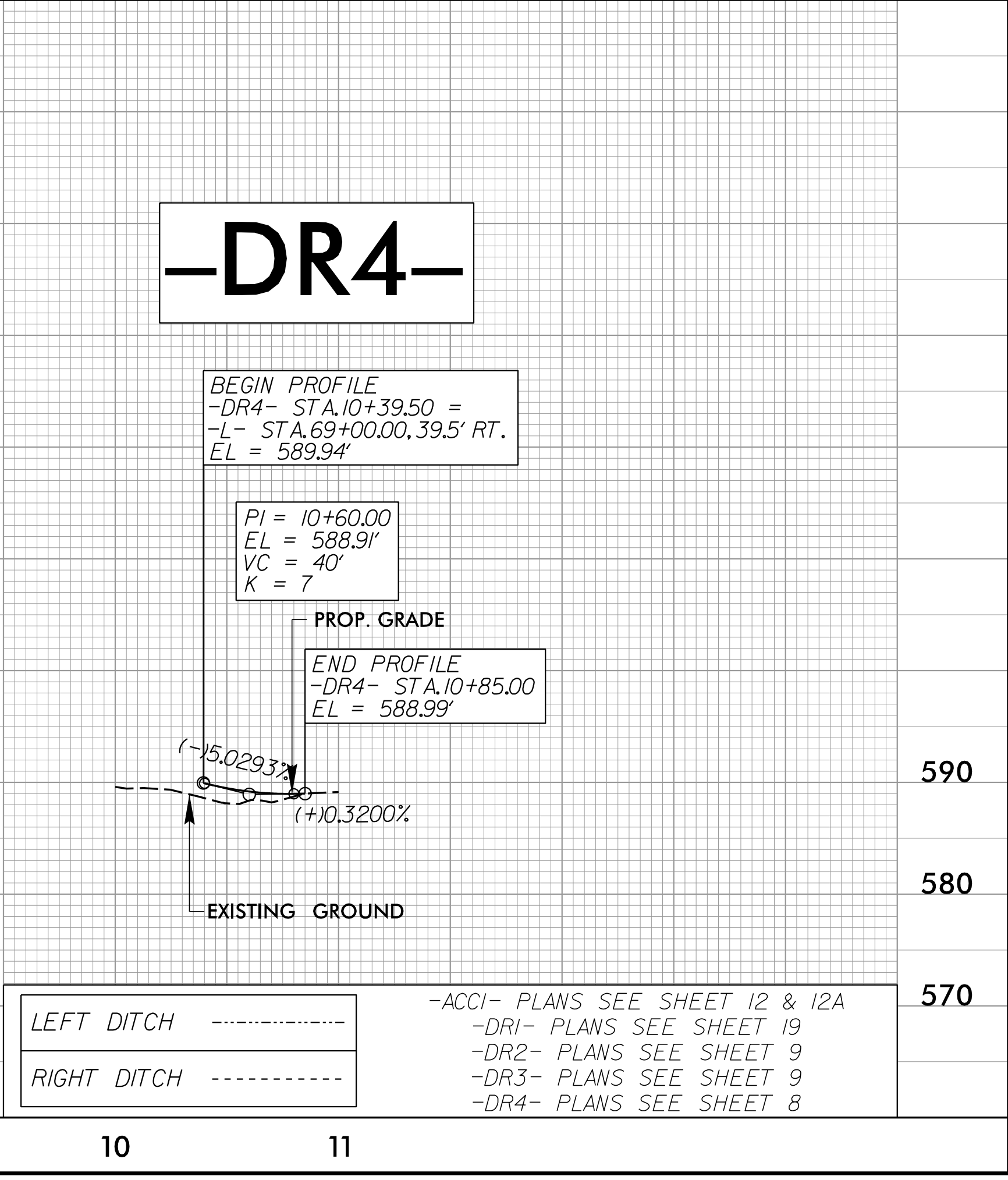
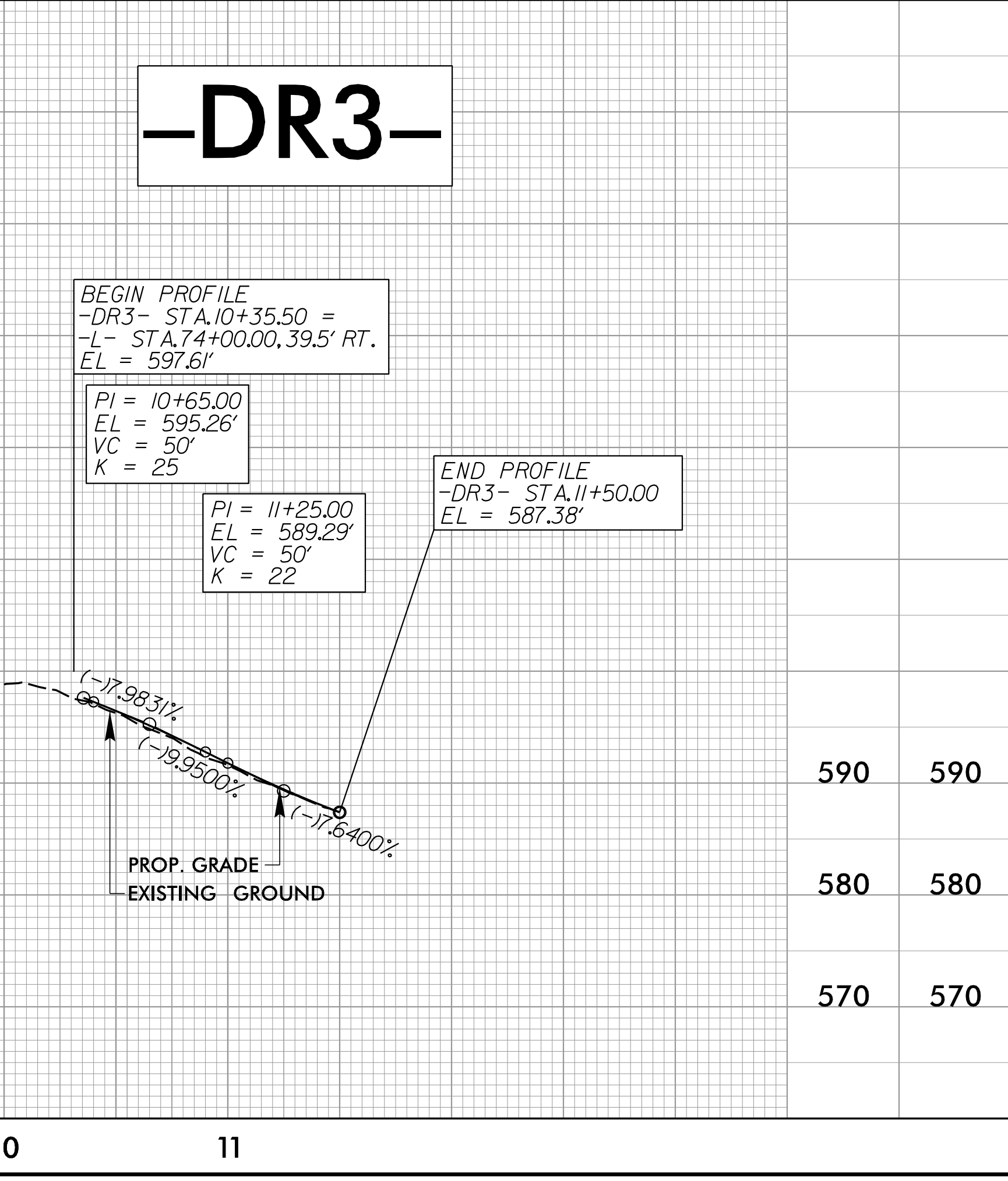
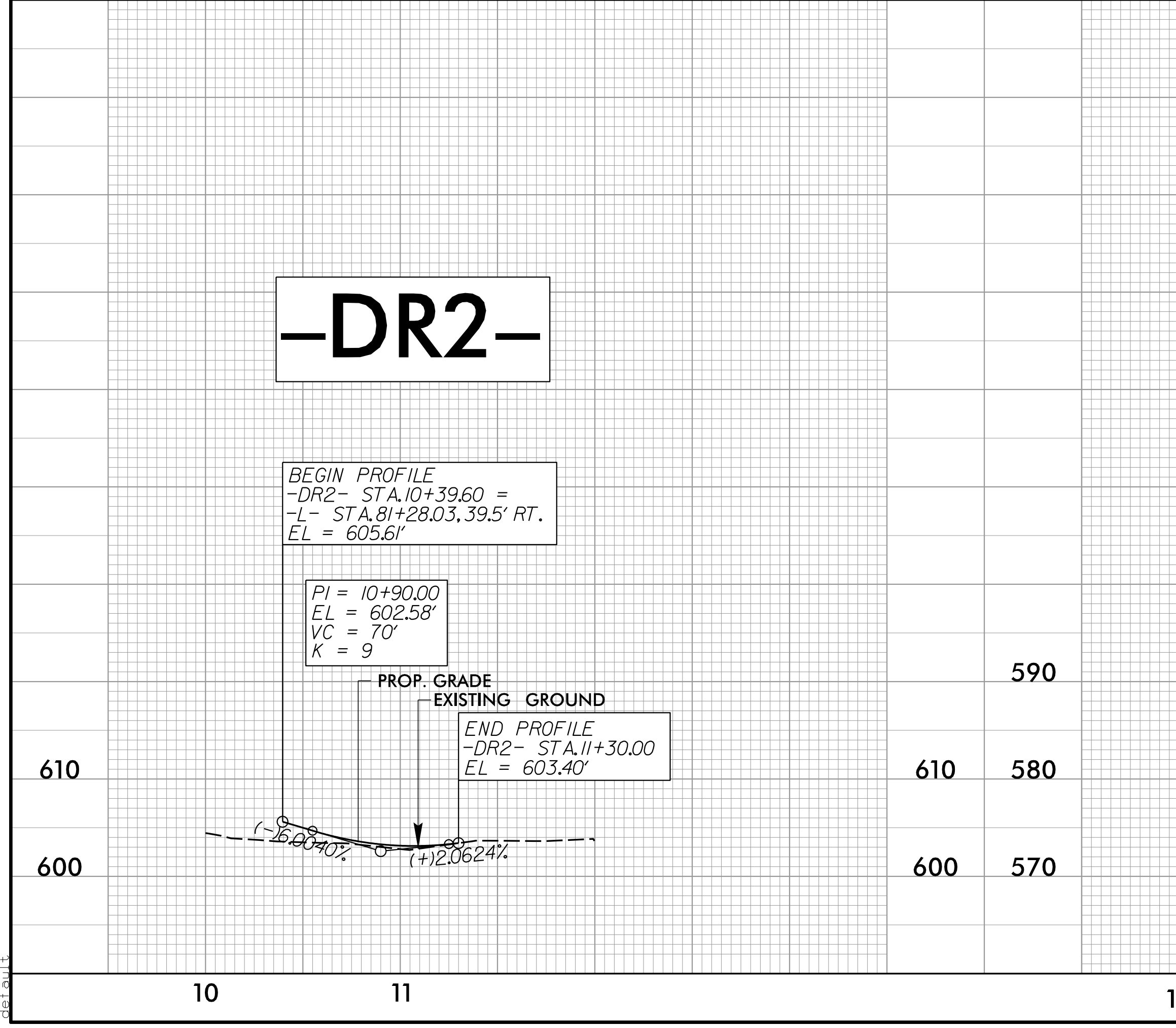
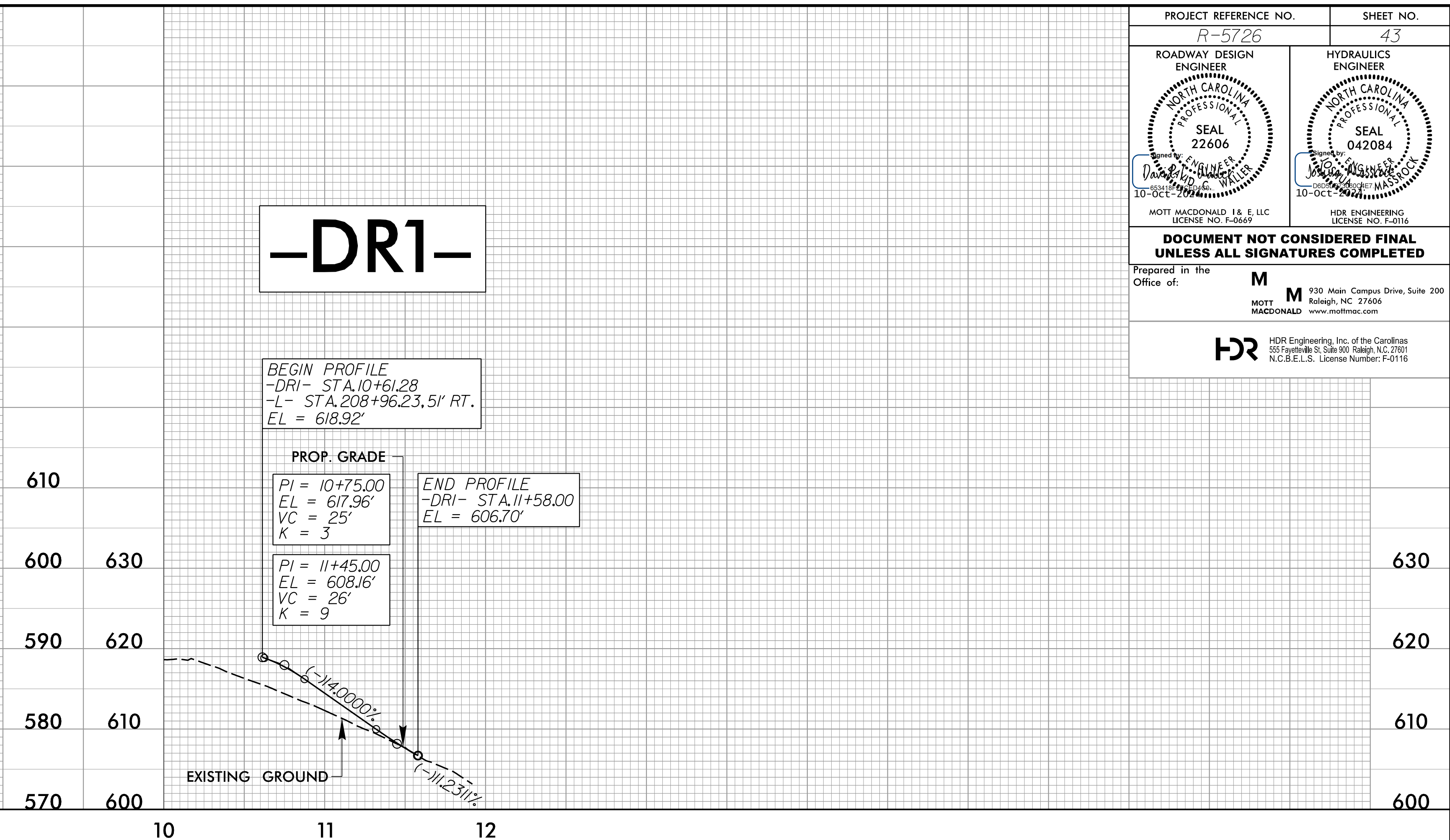
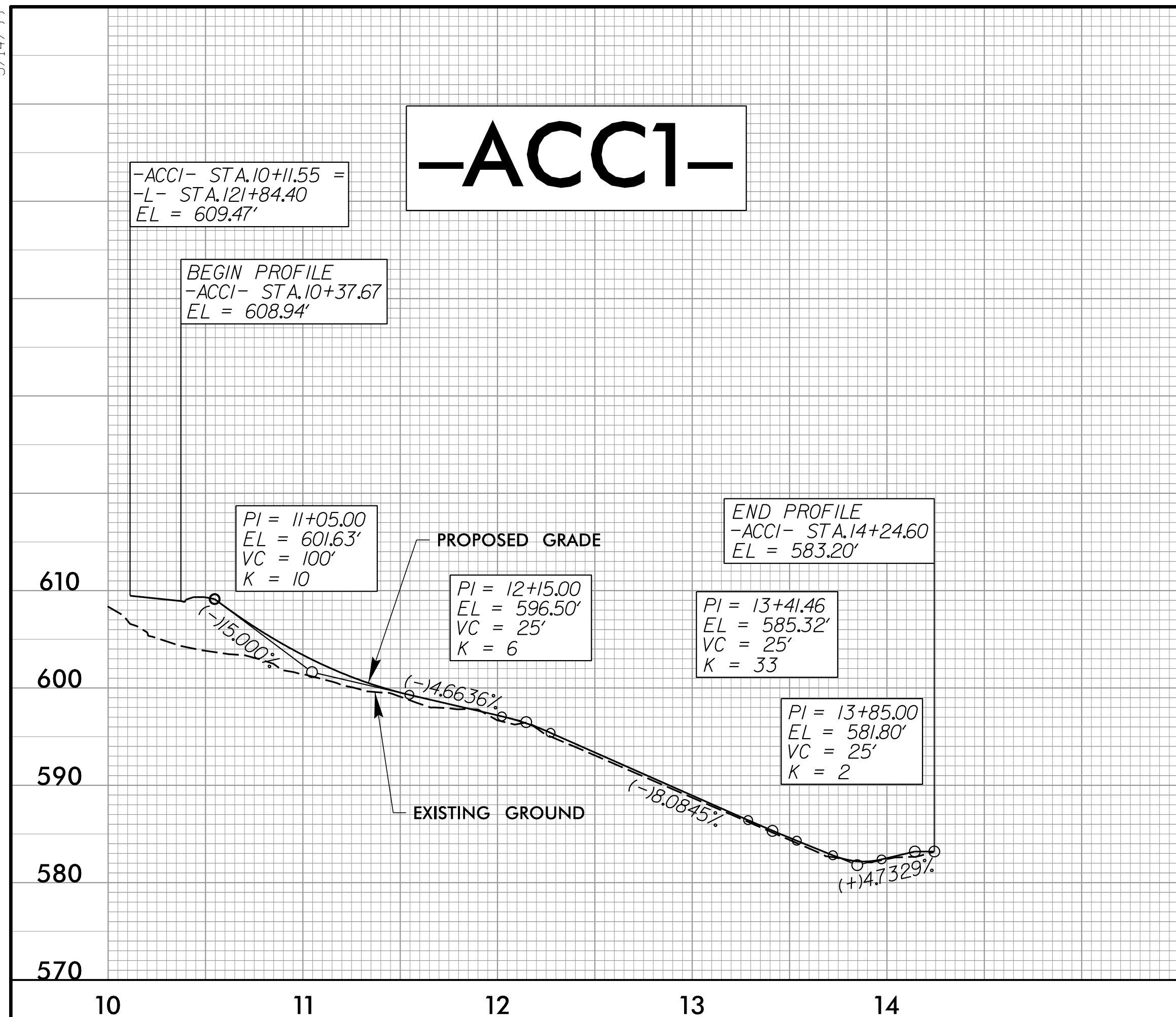
PROJECT REFERENCE NO. <i>R-5726</i>	SHEET NO. 42
ROADWAY DESIGN ENGINEER MOTT MACDONALD & E, LLC 13-Aug-2024	HYDRAULICS ENGINEER MOTT MACDONALD & E, LLC 13-Aug-2024
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p> <p>Prepared in the Office of: M MOTT MACDONALD & E, LLC 930 Main Campus Drive, Suite 200 Raleigh, NC 27606 www.mottmac.com</p>	
<p>HDR HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116</p>	



7/25/2024
R:\Projects\5726\Drawings\Profile\psh.dgn

5/14/99

PROJECT REFERENCE NO. <i>R-5726</i>	SHEET NO. 43
ROADWAY DESIGN ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 22606 10-OCT-2014	HYDRAULICS ENGINEER NORTH CAROLINA PROFESSIONAL SEAL 042084 10-OCT-2014
MOTT MACDONALD I & E, LLC LICENSE NO. F-0669	
MOTT MACDONALD www.mottmac.com	
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p> <p>Prepared in the Office of: M</p> <p>M 930 Main Campus Drive, Suite 200 Raleigh, NC 27606</p> <p>HDR HDR Engineering, Inc. of the Carolinas 555 Fayetteville St., Suite 800 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-0116</p>	



LEFT DITCH	-----	-ACCI- PLANS SEE SHEET 12 & 12A
RIGHT DITCH	-----	-DRI- PLANS SEE SHEET 19
		-DR2- PLANS SEE SHEET 9
		-DR3- PLANS SEE SHEET 9
		-DR4- PLANS SEE SHEET 8

I:\6\2024\B3E9A438BE69\Proj\5726_rdy.pfl_psh.dgn