

PROPOSED SIGNAL ★
 PAVEMENT REMOVAL [Hatched Box]
 SEE SHEET 13 FOR -L- PROFILE
 SEE SHEET 18 FOR -Y4- PROFILE
 SEE SHEET 17 FOR -Y4RT- PROFILE
 SEE SHEET 18 FOR -Y4LT- PROFILE
 SEE SHEET 19 FOR -Y6- PROFILE
 SEE SHEETS 2B-3, 2B-4, & 2B-5 FOR INTERSECTION DETAILS
 SEE SHEET 3P-1 FOR PROPERTY OWNERS
 SEE SHEET 2D-1 FOR DRAINAGE DITCH DETAILS
 DRIVEWAY RADII 10' UNLESS OTHERWISE NOTED

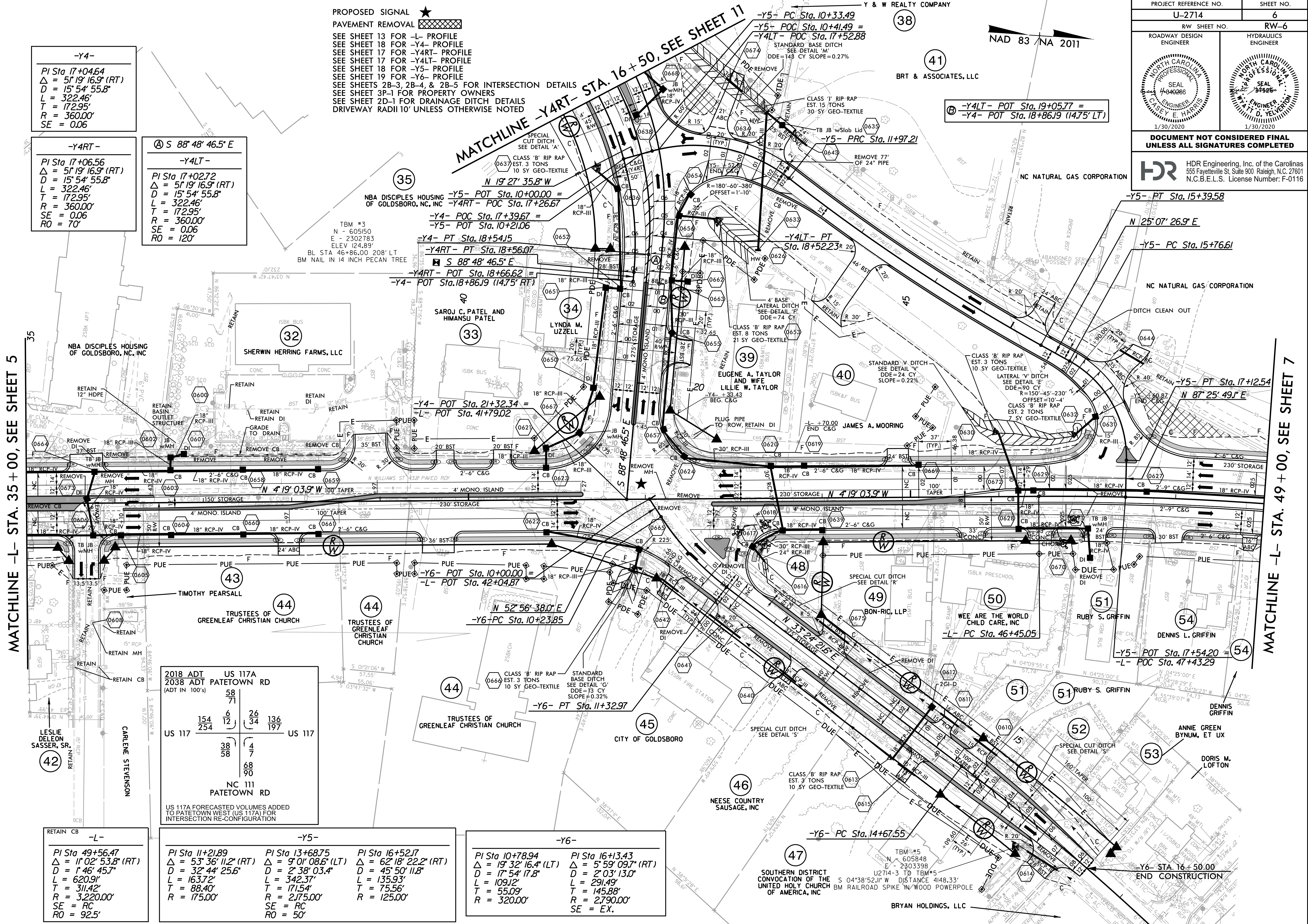
-Y4-
 PI Sta 17+04.64
 $\Delta = 51' 19" 16.9" (RT)$
 $D = 15' 54" 55.8"$
 $L = 322.46'$
 $T = 172.95'$
 $R = 360.00'$
 $SE = 0.06$

-Y4RT-
 PI Sta 17+06.56
 $\Delta = 51' 19" 16.9" (RT)$
 $D = 15' 54" 55.8"$
 $L = 322.46'$
 $T = 172.95'$
 $R = 360.00'$
 $RO = 70'$

-Y4LT-
 PI Sta 17+02.72
 $\Delta = 51' 19" 16.9" (RT)$
 $D = 15' 54" 55.8"$
 $L = 322.46'$
 $T = 172.95'$
 $R = 360.00'$
 $SE = 0.06$
 $RO = 120'$

MATCHLINE -L- STA. 35+00, SEE SHEET 5

MATCHLINE -L- STA. 49+00, SEE SHEET 7



2018 ADT		US 117A	
2038 ADT		PATETOWN RD	
(ADT IN 100's)		58	71
154	6	26	136
254	12	34	197
38	4		
58	7		
68	90		
NC 111 PATETOWN RD			
US 117A FORECASTED VOLUMES ADDED TO PATETOWN WEST (US 117A) FOR INTERSECTION RE-CONFIGURATION			

-L-
 PI Sta 49+56.47
 $\Delta = 11' 02" 53.8" (RT)$
 $D = 1' 46" 45.7"$
 $L = 620.91'$
 $T = 311.42'$
 $R = 3,220.00'$
 $SE = RC$
 $RO = 92.5'$

-Y5-
 PI Sta 11+21.89
 $\Delta = 53' 36" 11.2" (RT)$
 $D = 2' 38" 03.4"$
 $L = 163.72'$
 $T = 88.40'$
 $R = 175.00'$

PI Sta 13+68.75
 $\Delta = 9' 01" 08.6" (LT)$
 $D = 2' 38" 03.4"$
 $L = 342.37'$
 $T = 171.54'$
 $R = 2,175.00'$
 $SE = RC$
 $RO = 50'$

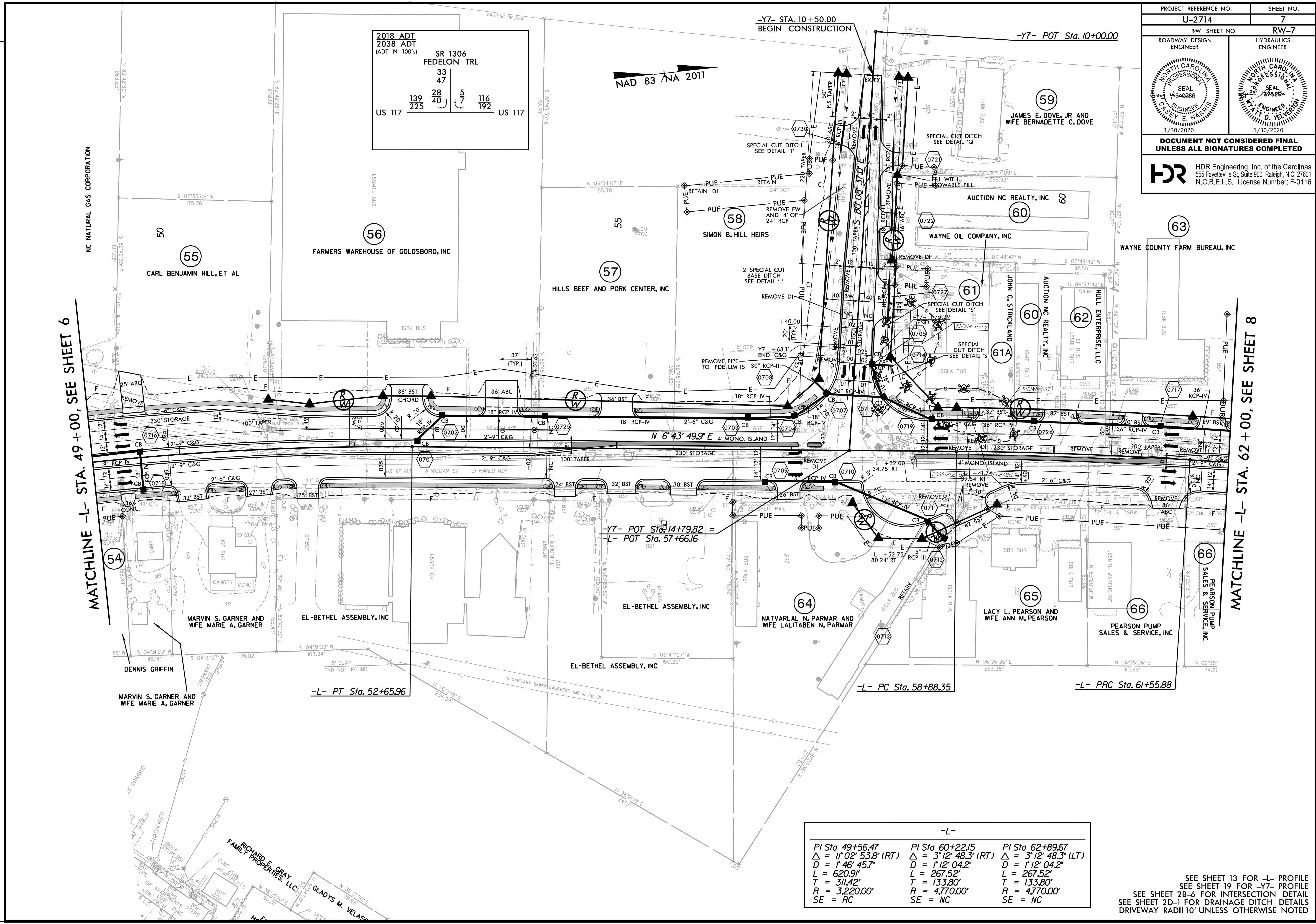
-Y6-
 PI Sta 10+78.94
 $\Delta = 19' 32" 16.4" (LT)$
 $D = 17' 54" 17.8"$
 $L = 55.09'$
 $R = 320.00'$

PI Sta 16+13.43
 $\Delta = 5' 59" 09.7" (RT)$
 $D = 2' 03" 13.0"$
 $L = 291.49'$
 $T = 145.88'$
 $R = 2,790.00'$
 $SE = EX.$

PROJECT REFERENCE NO. U-2714	SHEET NO. 6
RW SHEET NO. RW-6	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	SEAL 1/30/2020
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
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	

PLOT DRIVER: NCDOT_color_eng_50.plt
 USER: CHARRIS
 FILE: North.Carolina.Dept.of.Transportation\NCDOT_Western.Div.Operations\U-2714_US117.cad
 PENTABLE: NCDOT_pshp.plt
 TIME: 12:41:04 PM
 DATE: 1/10/2020
 REVISIONS:

PROJECT REFERENCE NO. U-2714	SHEET NO. 7
R/W SHEET NO. RW-7	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
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2018 ADT	2038 ADT	SR 1306	
(ADT IN 100's)	(ADT IN 100's)	FEDELON TRL	
		33	47
139	28	5	116
225	40	7	192
US 117			US 117

-L-		
PI Sta 49+56.47	PI Sta 60+22.15	PI Sta 62+89.67
$\Delta = 11' 02" 53.8" (RT)$	$\Delta = 3' 12" 48.3" (RT)$	$\Delta = 3' 12" 48.3" (LT)$
$D = 1' 46' 45.7"$	$D = 1' 12' 04.2"$	$D = 1' 12' 04.2"$
$L = 620.91'$	$L = 267.52'$	$L = 267.52'$
$T = 311.42'$	$T = 133.80'$	$T = 133.80'$
$R = 3,220.00'$	$R = 4,770.00'$	$R = 4,770.00'$
SE = RC	SE = NC	SE = NC

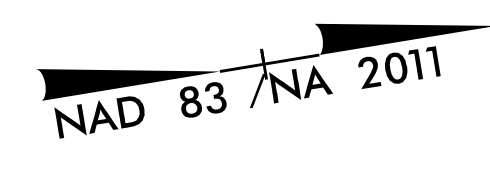
SEE SHEET 13 FOR -L- PROFILE
 SEE SHEET 19 FOR -Y7- PROFILE
 SEE SHEET 2B-6 FOR INTERSECTION DETAIL
 SEE SHEET 2D-1 FOR DRAINAGE DITCH DETAILS
 DRIVEWAY RADII 10' UNLESS OTHERWISE NOTED

PLOT DRIVER: NCDOT_color_eng_50.plt
 USER: SPEREIRA
 DATE: 12/10/2019
 FILE: North_Carolina_Dept_of_Transportation\NCDOT_Western_Div_Or-Coll_M_NCDOT-U2714-US117-6-Work_In_Progress\Roadway\U2714-RDY_PSH-07.dgn

MATCHLINE -L- STA. 49+00, SEE SHEET 6

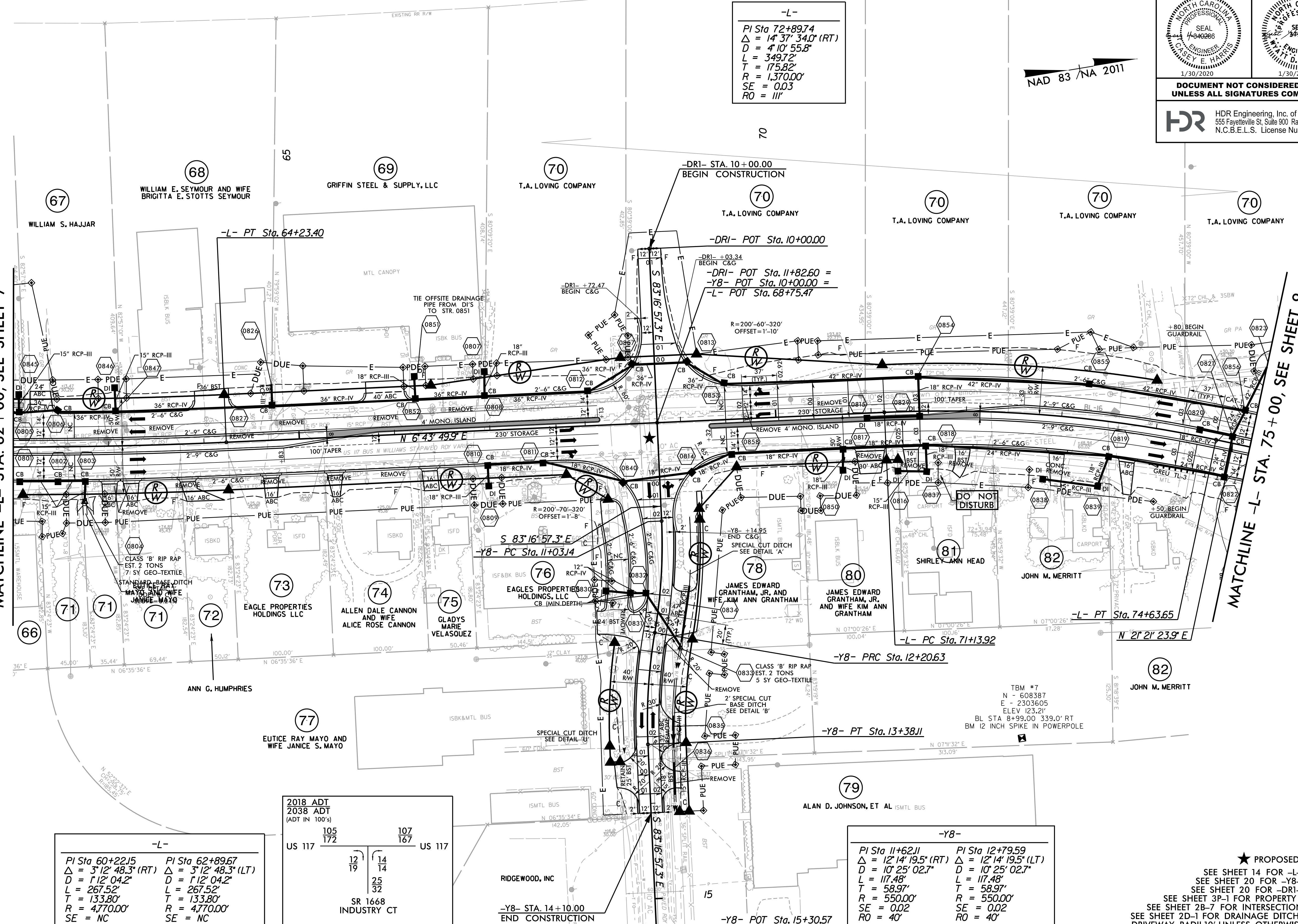
MATCHLINE -L- STA. 62+00, SEE SHEET 8

PROJECT REFERENCE NO. U-2714	SHEET NO. 8
R/W SHEET NO. RW-8	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
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MATCHLINE -L- STA. 62 + 00, SEE SHEET 7

MATCHLINE -L- STA. 75 + 00, SEE SHEET 9



-L-
 PI Sta 72+89.74
 $\Delta = 14' 37" 34.0" (RT)$
 $D = 4' 10" 55.8"$
 $L = 349.72'$
 $T = 175.82'$
 $R = 1,370.00'$
 $SE = 0.03$
 $RO = 111'$

-Y8-
 PI Sta 11+62.11 PI Sta 12+79.59
 $\Delta = 12' 14" 19.5" (RT)$ $\Delta = 12' 14" 19.5" (LT)$
 $D = 10' 25" 02.7"$ $D = 10' 25" 02.7"$
 $L = 117.48'$ $L = 117.48'$
 $T = 58.97'$ $T = 58.97'$
 $R = 550.00'$ $R = 550.00'$
 $SE = 0.02$ $SE = 0.02$
 $RO = 40'$ $RO = 40'$

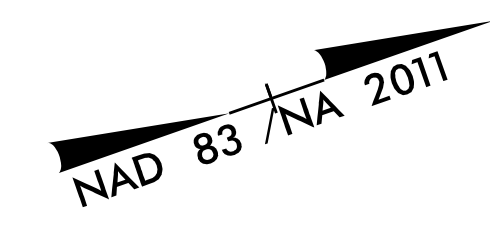
-L-
 PI Sta 60+22.15 PI Sta 62+89.67
 $\Delta = 3' 12" 48.3" (RT)$ $\Delta = 3' 12" 48.3" (LT)$
 $D = 1' 12" 04.2"$ $D = 1' 12" 04.2"$
 $L = 267.52'$ $L = 267.52'$
 $T = 133.80'$ $T = 133.80'$
 $R = 4,770.00'$ $R = 4,770.00'$
 $SE = NC$ $SE = NC$

2018 ADT 2038 ADT (ADT IN 100's)	
US 117	US 117
105 172	107 167
12 19	14 14
25 32	
SR 1668 INDUSTRY CT	

REVISIONS
 PLOT DRIVER: NCDOT_color_eng_50.plt
 USER: CHARRIS
 DATE: 1/10/2020
 TIME: 12:42:07 PM
 FILE: North Carolina Dept. of Transportation\NCDOT\Western Div. On-Call\M. NCDOT-U2714-US117.cad\BIM\6.2.Work.In.Progess\U-2714.NCDOT.File.Structure\Roadway\Proj\U2714.RDY_PSH-08.dgn

★ PROPOSED SIGNAL
 SEE SHEET 14 FOR -L- PROFILE
 SEE SHEET 20 FOR -Y8- PROFILE
 SEE SHEET 20 FOR -DRI- PROFILE
 SEE SHEET 3P-1 FOR PROPERTY OWNERS
 SEE SHEET 2B-7 FOR INTERSECTION DETAIL
 SEE SHEET 2D-1 FOR DRAINAGE DITCH DETAILS
 DRIVEWAY RADII 10' UNLESS OTHERWISE NOTED

PROJECT REFERENCE NO.	SHEET NO.
U-2714	9
R/W SHEET NO.	RW-9
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
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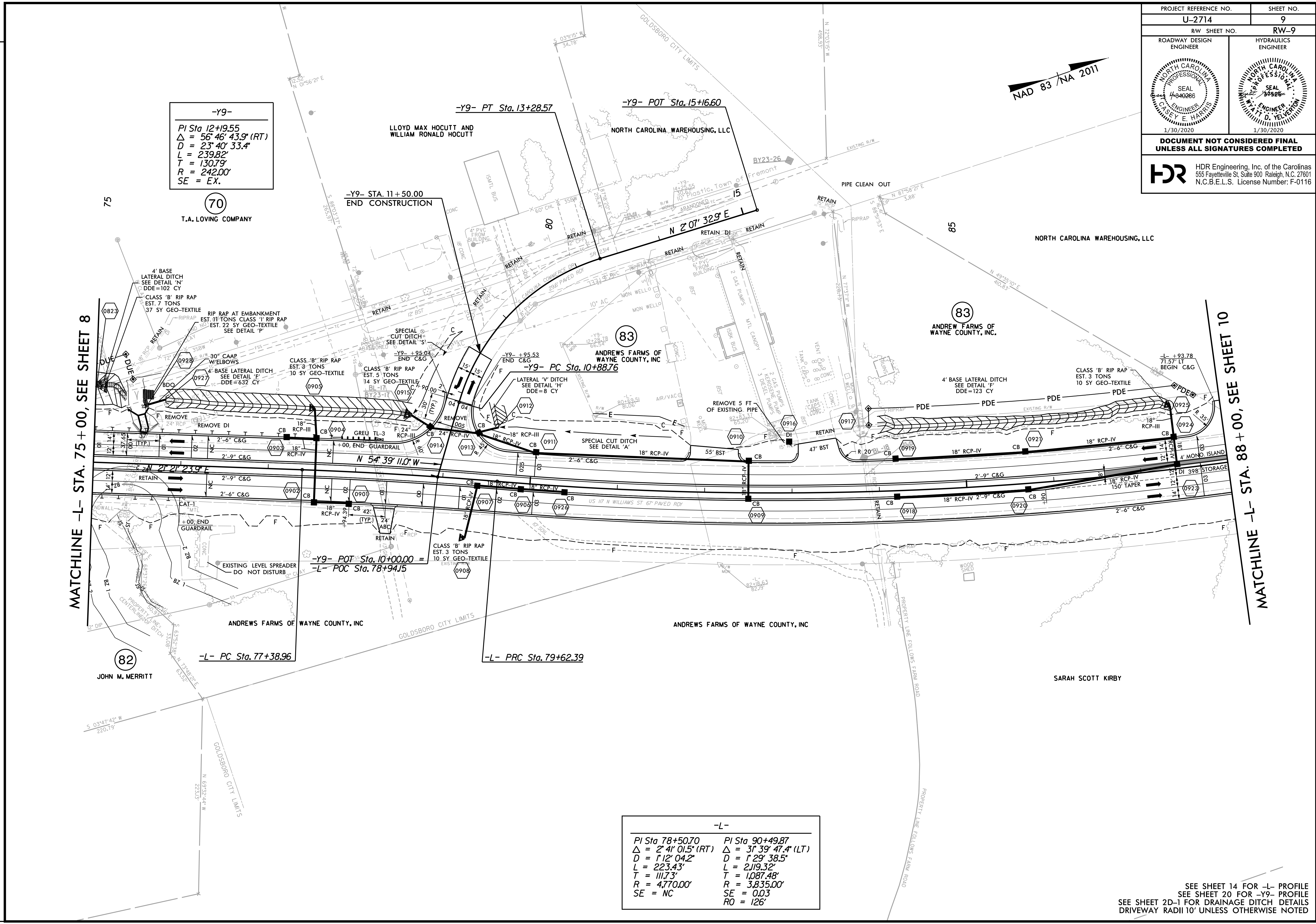


-Y9-
 PI Sta 12+19.55
 $\Delta = 56^{\circ} 46' 43.9''$ (RT)
 $D = 23^{\circ} 40' 33.4''$
 $L = 239.82'$
 $T = 130.79'$
 $R = 242.00'$
 $SE = EX.$

-L-
 PI Sta 78+50.70 PI Sta 90+49.87
 $\Delta = 2^{\circ} 41' 01.5''$ (RT) $\Delta = 31^{\circ} 39' 47.4''$ (LT)
 $D = 1^{\circ} 12' 04.2''$ $D = 1^{\circ} 29' 38.5''$
 $L = 223.43'$ $L = 2119.32'$
 $T = 111.73'$ $T = 1,087.48'$
 $R = 4,770.00'$ $R = 3,835.00'$
 $SE = NC$ $SE = 0.03$
 $RO = 126'$

MATCHLINE -L- STA. 75+00, SEE SHEET 8

MATCHLINE -L- STA. 88+00, SEE SHEET 10



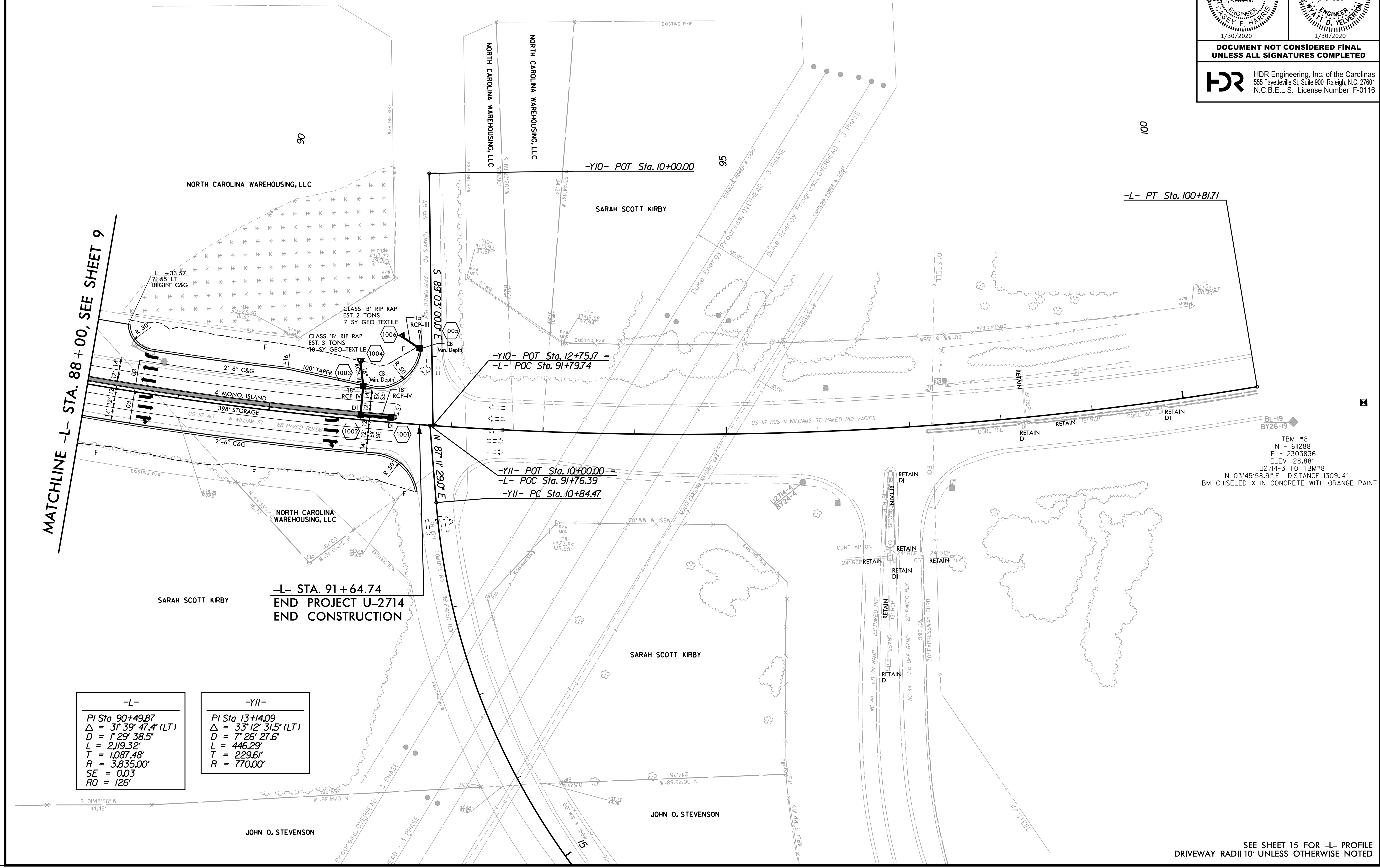
PLOT DRIVER: NCDOT_color_eng_50.plt
 USER: SPEREIRA
 DATE: 12/10/2019
 TIME: 9:55:32 AM
 FILE: North_Carolina_Dept_of_Transportation\NCDOT_Western_Div_Or-Coll_M_NCDOT-U2714_US117.cad\BIM\6.2_Work_In_Progress\U-2714_NCDOT_File_Structure_Roadway\Proj\U2714_RDY_PSH-09.dgn

REVISIONS

SEE SHEET 14 FOR -L- PROFILE
 SEE SHEET 20 FOR -Y9- PROFILE
 SEE SHEET 2D-1 FOR DRAINAGE DITCH DETAILS
 DRIVEWAY RADII 10' UNLESS OTHERWISE NOTED

PROJECT REFERENCE NO.	SHEET NO.
U-2714	10
RW SHEET NO.	RW-10
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 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	

NAD 83 / NA 2011



MATCHLINE -L- STA. 88+00, SEE SHEET 9

**-L- STA. 91+64.74
END PROJECT U-2714
END CONSTRUCTION**

-L-
PI Sta 90+49.87
$\Delta = 31^{\circ} 39' 47.4" (LT)$
$D = 129.38.5'$
$L = 2,119.32'$
$T = 1,087.48'$
$R = 3,835.00'$
$SE = 0.03$
$RO = 126'$

-YII-
PI Sta 13+14.09
$\Delta = 33^{\circ} 12' 31.5" (LT)$
$D = 7.26.27.6'$
$L = 446.29'$
$T = 229.61'$
$R = 770.00'$

TBM #8
N - 61288
E - 2303836
ELEV 128.88'
U2714-3 TO TBM#8
N 03°45'58.91" E DISTANCE 1309.14'
BM CHISELED X IN CONCRETE WITH ORANGE PAINT

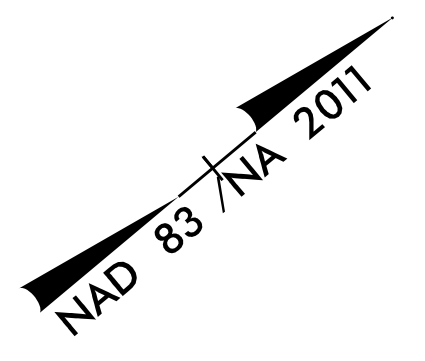
PLOT DRIVER: NCDOT_color_eng_50.plt
 USER: SPEREIRA
 DATE: 12/10/2019
 TIME: 9:55:42 AM
 FILE: North Carolina Dept. of Transportation\NCDOT\Western Div. On-Call\M. NCDOT-U2714-US117.cad\NCDOT-U2714-US117.cad\BIM\6.2.Work.In.Progess\U-2714.NCDOT_File.Structure\Roadway\Proj\U2714.RDY_PSH-10.dgn

REVISIONS

SEE SHEET 15 FOR -L- PROFILE
DRIVEWAY RADII 10' UNLESS OTHERWISE NOTED

PROJECT REFERENCE NO.	SHEET NO.
U-2714	11
RW SHEET NO.	RW-11
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

-Y4RT-	-Y4-	-Y4LT-
PI Sta 17+06.56	PI Sta 17+04.64	PI Sta 17+02.72
$\Delta = 51' 19" 16.9' (RT)$	$\Delta = 51' 19" 16.9' (RT)$	$\Delta = 51' 19" 16.9' (RT)$
$D = 15' 54' 55.8"$	$D = 15' 54' 55.8"$	$D = 15' 54' 55.8"$
$L = 322.46'$	$L = 322.46'$	$L = 322.46'$
$T = 172.95'$	$T = 172.95'$	$T = 172.95'$
$R = 360.00'$	$R = 360.00'$	$R = 360.00'$
$SE = 0.06$	$SE = 0.06$	$SE = 0.06$
$RO = 70'$		$RO = 120'$



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

TBM #4
 N - 604525
 E - 2301769
 ELEV 117.48'
 U2714-3 TO TBM#4
 S 19°57'06.98" W DISTANCE 5805.54'
 BM NAIL IN 20 INCH SWEET GUM TREE

-Y4- POT Sta. 10+00.00 =
 -Y4LT- POT Sta. 10+00.00 (26' LT)
 -Y4RT- POT Sta. 10+00.00 (26' RT)

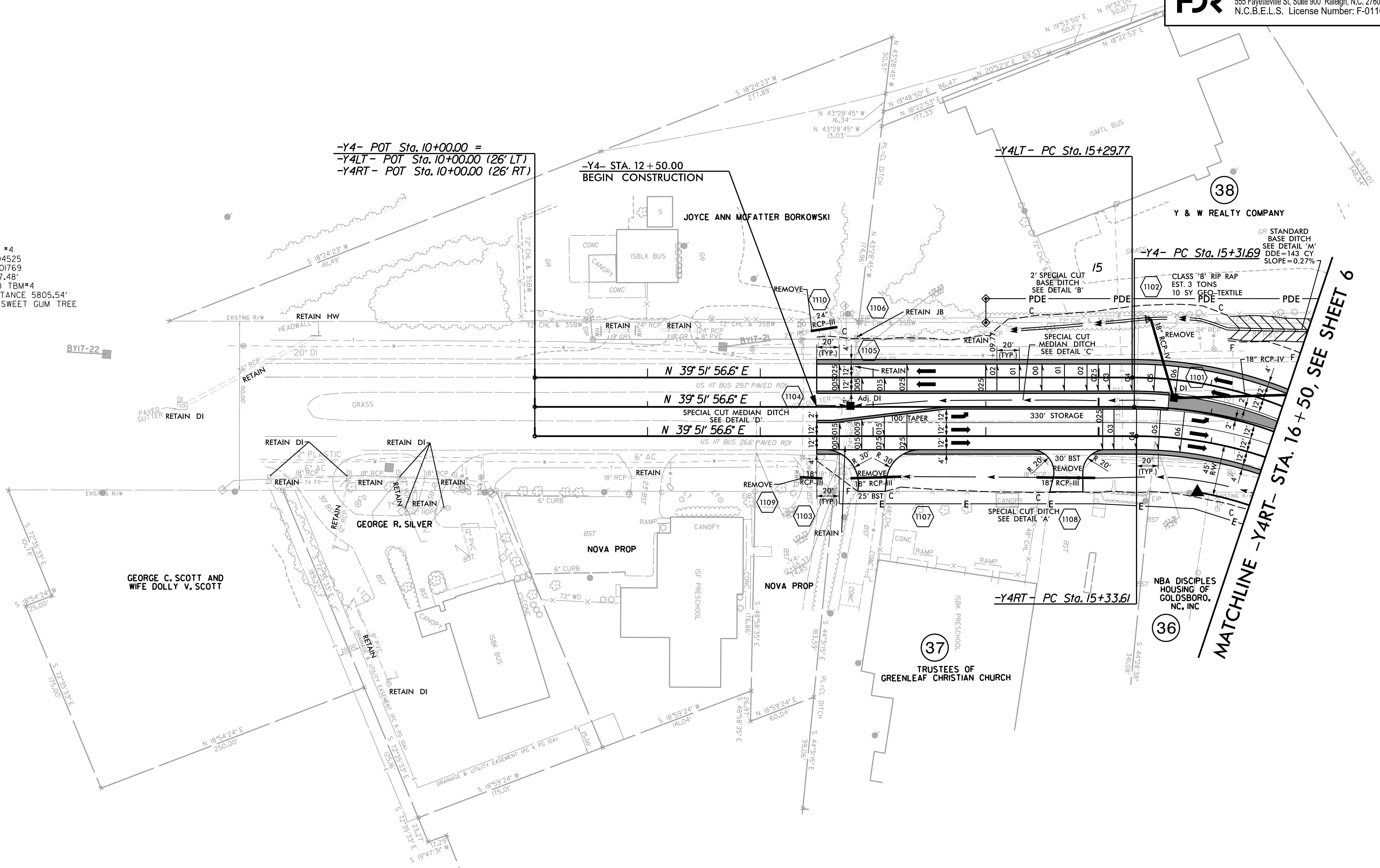
-Y4- STA. 12 + 50.00
 BEGIN CONSTRUCTION

-Y4LT- PC Sta. 15+29.77

-Y4- PC Sta. 15+31.69

-Y4RT- PC Sta. 15+33.61

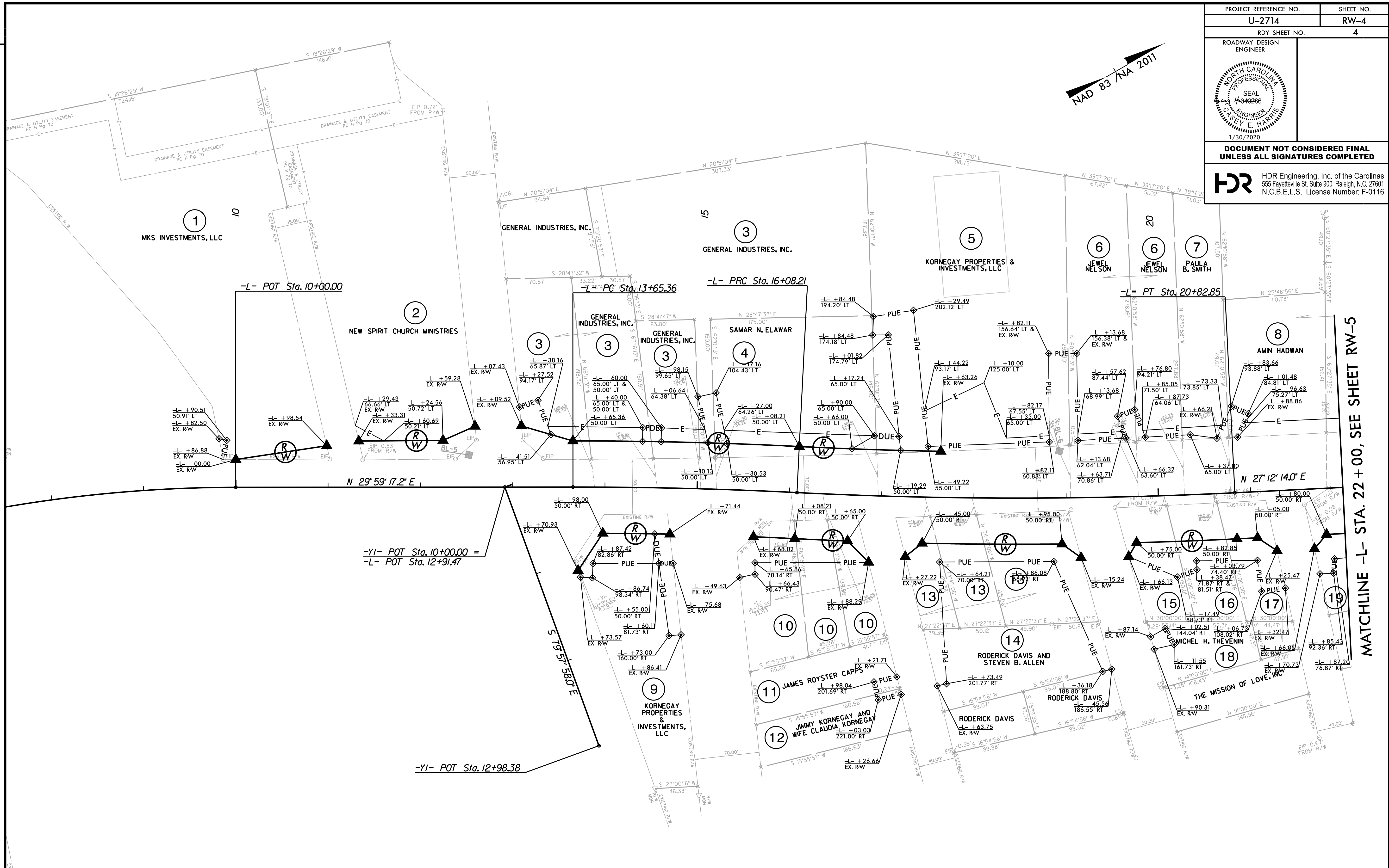
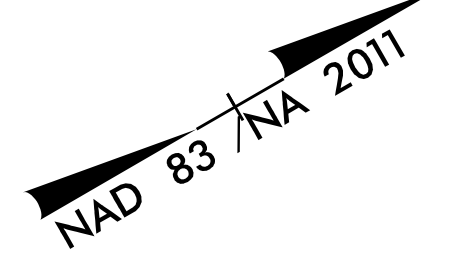
MATCHLINE -Y4RT- STA. 16 + 50, SEE SHEET 6



REVISIONS

PLOT DRIVER: NCDOT_color_eng_50.plt
 USER: SPEREIRA
 DATE: 12/10/2019
 TIME: 9:55:54 AM
 FILE: North_Carolina_Dept_of_Transportation\NCDOT_Western_Div_Or-Coll_M_NCDOT-U2714_US117_c_NCDOT-U2714_US117_c_6.0_CAD_BIM_6.2_Work_In_Progress\U-2714_NCDOT_File_Structure_Roadway\Proj\U2714_RDY_PSH-1.dgn

SEE SHEET 18 FOR -Y4- PROFILE
 SEE SHEET 17 FOR -Y4RT- PROFILE
 SEE SHEET 17 FOR -Y4LT- PROFILE
 SEE SHEET 2D-1 FOR DRAINAGE DITCH DETAILS
 DRIVEWAY RADII 10' UNLESS OTHERWISE NOTED



-YI- POT Sta. 10+00.00 =
 -L- POT Sta. 12+91.47

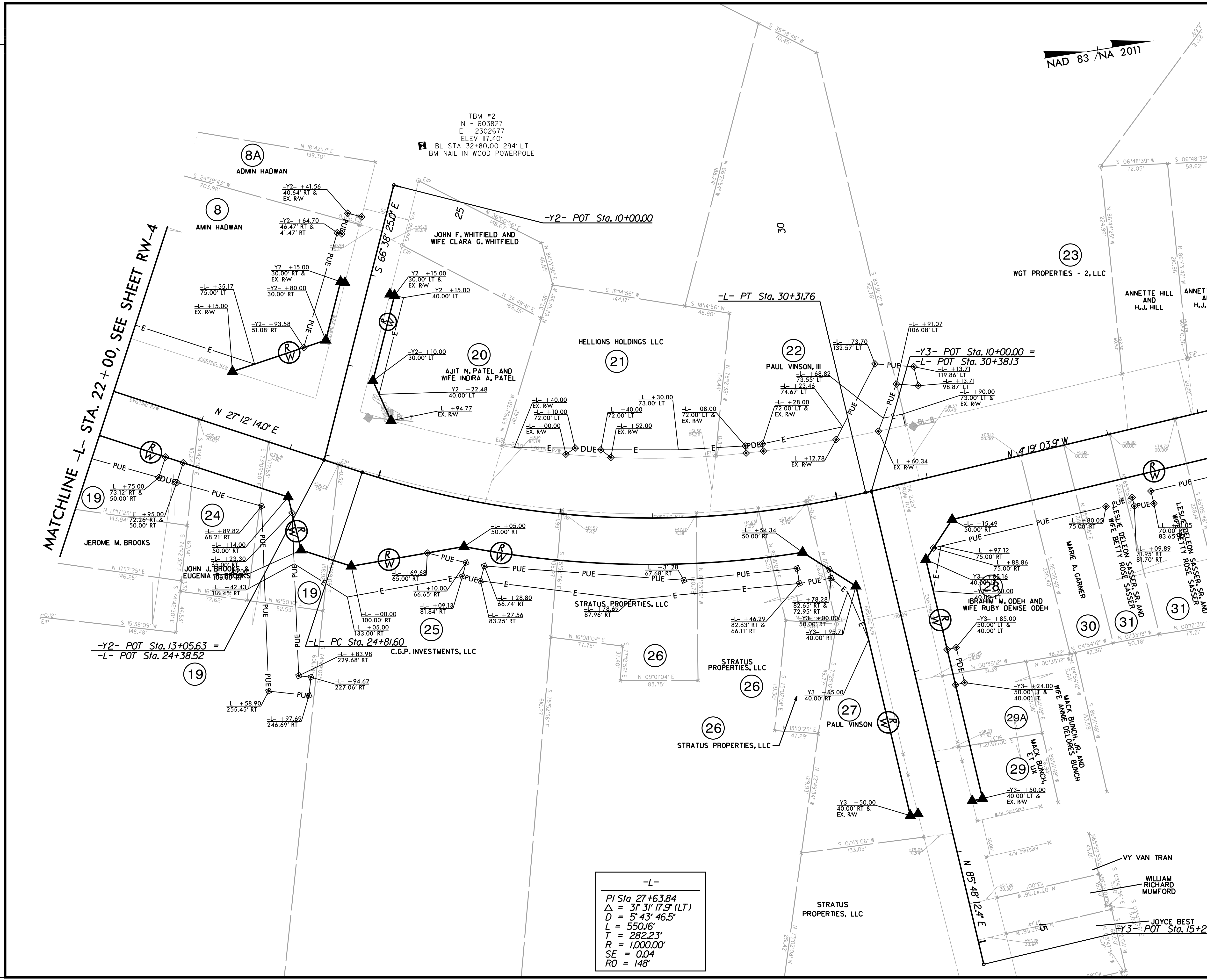
-YI- POT Sta. 12+98.38

-L-		
PI Sta 8+52.55	PI Sta 14+86.81	PI Sta 18+45.73
$\Delta = 1^{\circ} 27' 18.3''$ (RT)	$\Delta = 2^{\circ} 55' 01.3''$ (RT)	$\Delta = 5^{\circ} 42' 04.5''$ (LT)
$D = 3^{\circ} 52' 16.8''$	$D = 1^{\circ} 12' 04.2''$	$D = 1^{\circ} 12' 04.2''$
$L = 295.90'$	$L = 242.85'$	$L = 474.64'$
$T = 148.44'$	$T = 121.45'$	$T = 237.52'$
$R = 1,480.00'$	$R = 4,770.00'$	$R = 4,770.00'$
	SE = NC	SE = NC

MATCHLINE -L- STA. 22 + 00, SEE SHEET RW-5

PLOT DRIVER: NCDOT_color_eng_50.plt
 USER: SPHERE
 FILE: North_Carolina_Dept_of_Transportation\NCDOT_Western_Div_Or-Coll_M_NCDOT-U2714_US117.cad
 PENTABLE: NCDOT_pshp.plt
 TIME: 9:56:03 AM
 DATE: 12/10/2019
 REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
U-2714	RW-5
RDY SHEET NO. 5	
ROADWAY DESIGN ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
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	



-L-

$PI\ Sta\ 27+63.84$
 $\Delta = 31^{\circ} 31' 17.9'' (LT)$
 $D = 5^{\circ} 43' 46.5''$
 $L = 550.16'$
 $T = 282.23'$
 $R = 1000.00'$
 $SE = 0.04$
 $RO = 148'$

MATCHLINE -L- STA. 22 + 00, SEE SHEET RW-4

MATCHLINE -L- STA. 35 + 00, SEE SHEET RW-6

PLOT DRIVER: NCDOT_color_eng_50.plt
 USER: SPEREIRA
 DATE: 12/10/2019
 FILE: North Carolina Dept. of Transportation\NCDOT\Western Div. On-Call\M. NCDOT-U2714-US117.cad.CAD.BIM.v6.2.Work.In.Progress\U-2714.RDY_ROW_PSH-05.dgn

REVISIONS

SEE SHEET 12 FOR -L- PROFILE
 SEE SHEET 16 FOR -Y2- PROFILE
 SEE SHEET 16 FOR -Y3- PROFILE
 SEE SHEET 3P-1 FOR PROPERTY OWNERS

SEE SHEET 13 FOR -L- PROFILE
SEE SHEET 18 FOR -Y4- PROFILE
SEE SHEET 17 FOR -Y4RT- PROFILE
SEE SHEET 17 FOR -Y4LT- PROFILE
SEE SHEET 18 FOR -Y5- PROFILE
SEE SHEET 19 FOR -Y6- PROFILE
SEE SHEET 3P-1 FOR PROPERTY OWNERS

-Y4-
PI Sta 17+04.64
Δ = 51° 19' 16.9" (RT)
D = 15' 54' 55.8"
L = 322.46'
T = 172.95'
R = 360.00'
SE = 0.06

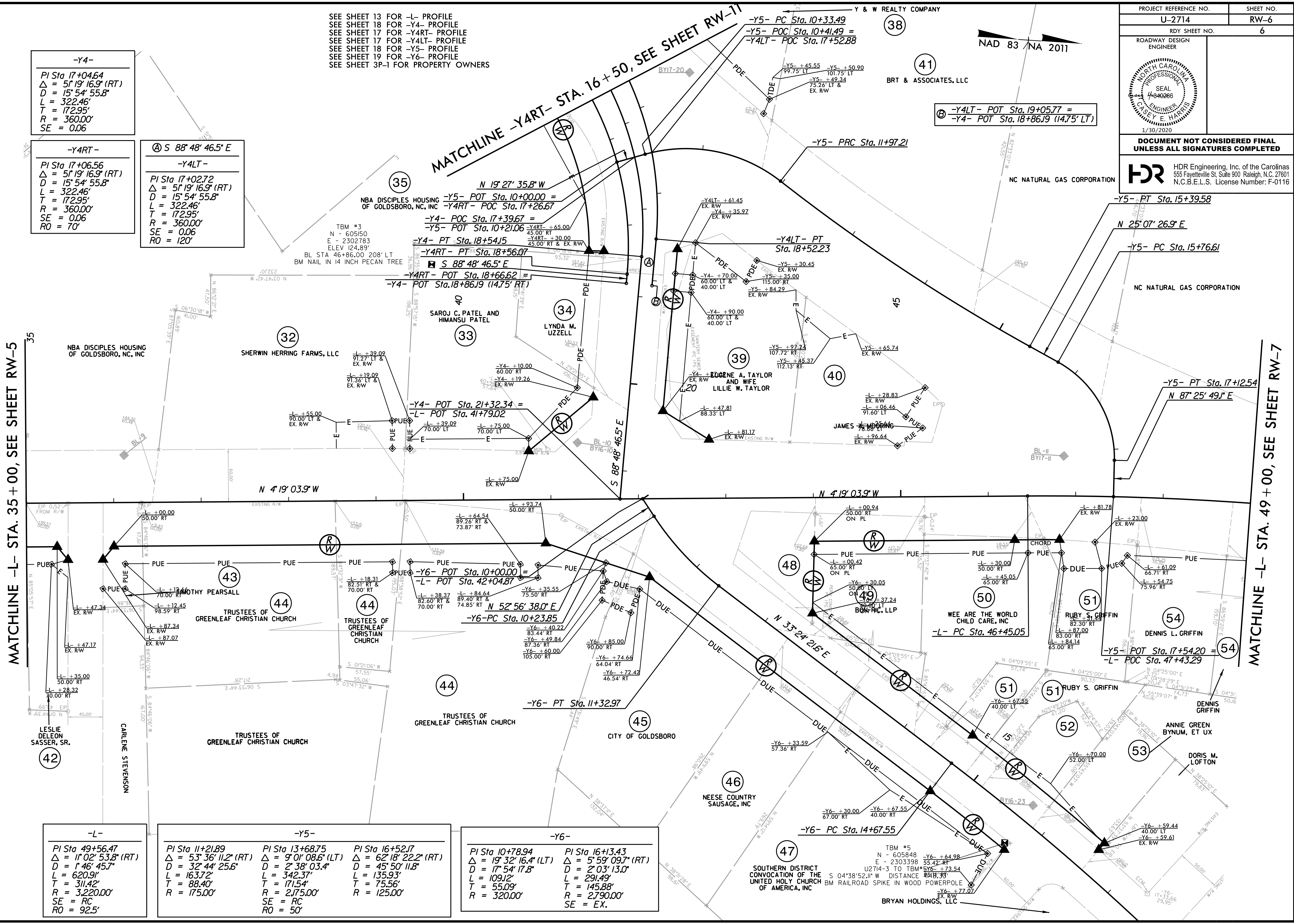
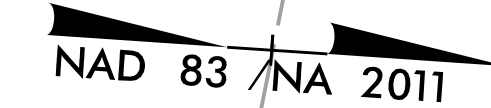
-Y4RT-
PI Sta 17+06.56
Δ = 51° 19' 16.9" (RT)
D = 15' 54' 55.8"
L = 322.46'
T = 172.95'
R = 360.00'
RO = 70'

Ⓐ S 88° 48' 46.5" E
-Y4LT-
PI Sta 17+02.72
Δ = 51° 19' 16.9" (RT)
D = 15' 54' 55.8"
L = 322.46'
T = 172.95'
R = 360.00'
SE = 0.06
RO = 120'

MATCHLINE -L- STA. 35+00, SEE SHEET RW-5

MATCHLINE -L- STA. 49+00, SEE SHEET RW-7

PROJECT REFERENCE NO.	SHEET NO.
U-2714	RW-6
RDY SHEET NO.	6
ROADWAY DESIGN ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-01116	



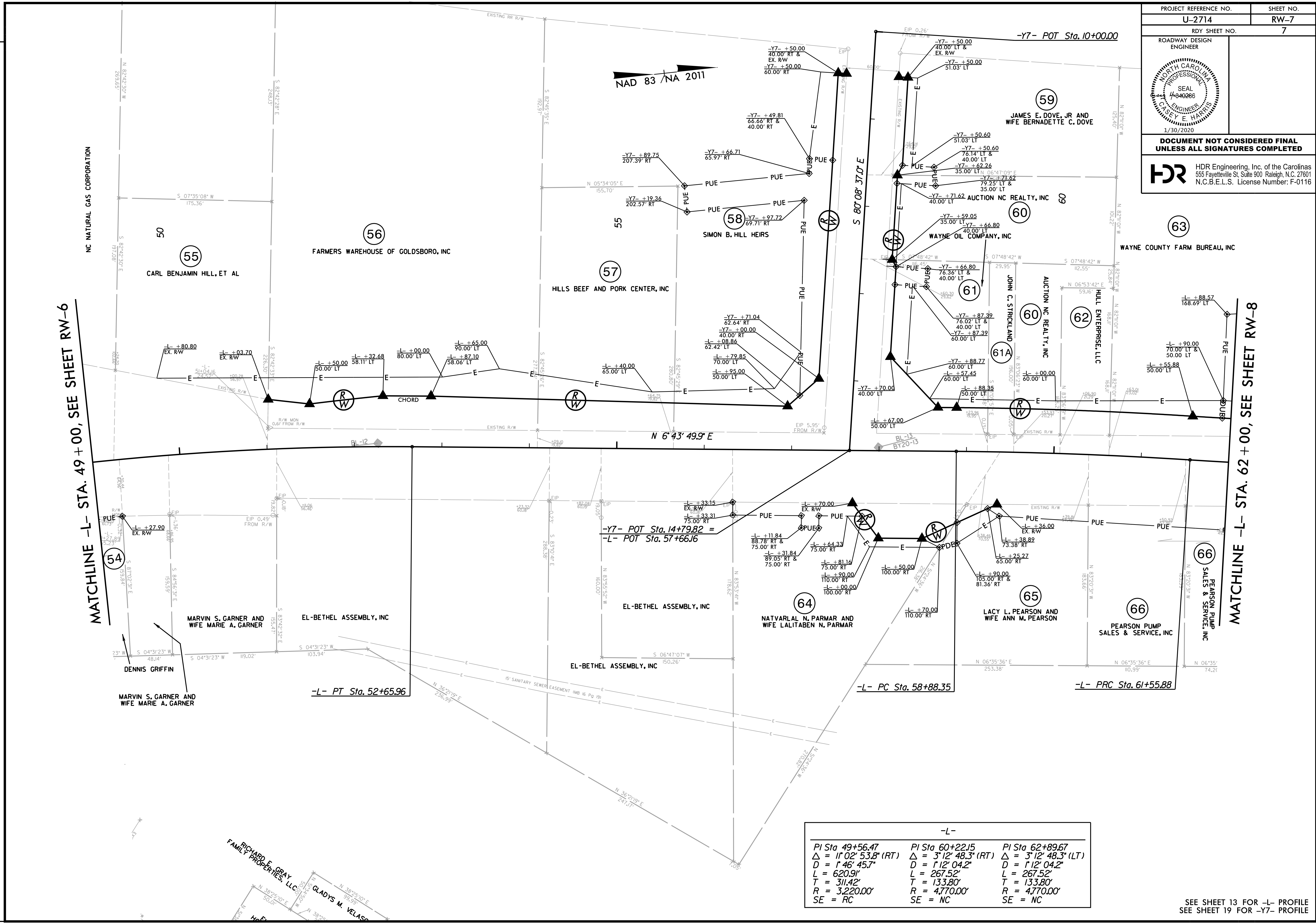
-L-
PI Sta 49+56.47
Δ = 11° 02' 53.8" (RT)
D = 1' 46' 45.7"
L = 620.91'
T = 311.42'
R = 3,220.00'
SE = RC
RO = 92.5'

-Y5-	-Y6-
PI Sta 11+21.89	PI Sta 10+78.94
Δ = 53° 36' 11.2" (RT)	Δ = 19° 32' 16.4" (LT)
D = 32' 44' 25.6"	D = 62' 18' 22.2" (RT)
L = 163.72'	L = 135.93'
T = 88.40'	T = 75.56'
R = 175.00'	R = 125.00'
SE = RC	SE = EX.
RO = 50'	

-Y6-	-Y6-
PI Sta 13+68.75	PI Sta 16+52.17
Δ = 9° 01' 08.6" (LT)	Δ = 62' 18' 22.2" (RT)
D = 2' 38' 03.4"	D = 45' 50' 11.8"
L = 342.37'	L = 135.93'
T = 171.54'	T = 75.56'
R = 2,175.00'	R = 125.00'
SE = RC	SE = EX.
RO = 50'	

PLOT DRIVER: NCDOT_pdf_color_eng_50.plt
USER: SPHERE
FILE: North_Carolina_Dept_of_Transportation\NCDOT_Western_Div_Or-Coll_M_NCDOT-U2714-US117.cad_CAD_BIM_v6.2_Work_In_Progress\U-2714_NCDOT_File_Structure_Roadway\Proj\U2714_RDY_ROW_PSH-06.dgn
PENTABLE: NCDOT_pshp.plt
TIME: 9:56:22 AM
DATE: 12/10/2019
REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
U-2714	RW-7
RDY SHEET NO. 7	
ROADWAY DESIGN ENGINEER	
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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. 49+00, SEE SHEET RW-6

MATCHLINE -L- STA. 62+00, SEE SHEET RW-8

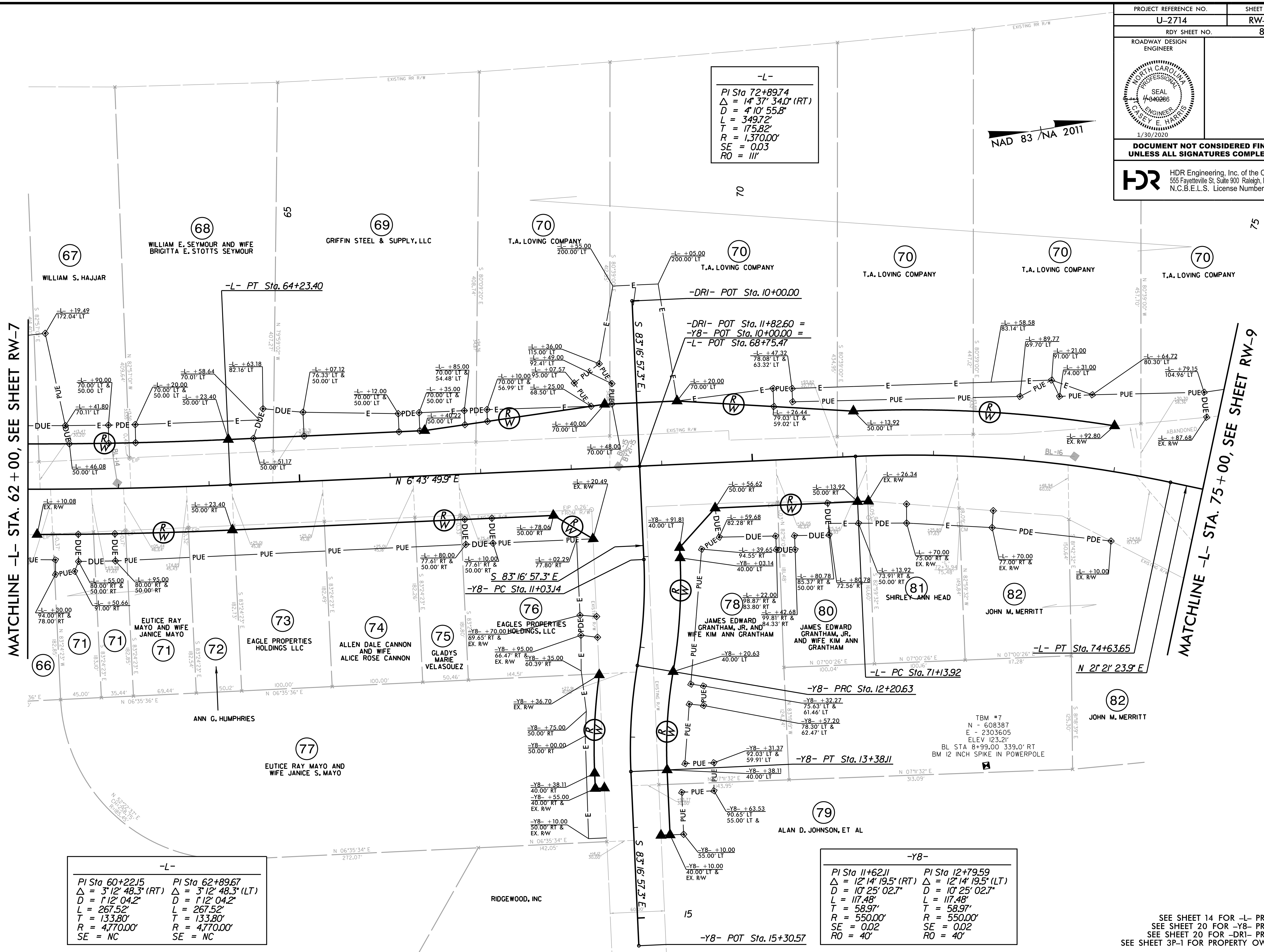
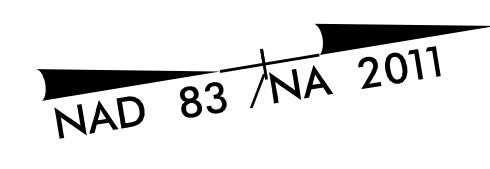
-L-		
PI Sta 49+56.47	PI Sta 60+22.15	PI Sta 62+89.67
$\Delta = 11' 02' 53.8''$ (RT)	$\Delta = 3' 12' 48.3''$ (RT)	$\Delta = 3' 12' 48.3''$ (LT)
$D = 1' 46' 45.7''$	$D = 1' 12' 04.2''$	$D = 1' 12' 04.2''$
$L = 620.91'$	$L = 267.52'$	$L = 267.52'$
$T = 311.42'$	$T = 133.80'$	$T = 133.80'$
$R = 3,220.00'$	$R = 4,770.00'$	$R = 4,770.00'$
SE = RC	SE = NC	SE = NC

SEE SHEET 13 FOR -L- PROFILE
SEE SHEET 19 FOR -Y7- PROFILE

PLOT DRIVER: NCDOT_color_eng_50.plt
 USER: SPEREIRA
 DATE: 12/10/2019
 TIME: 15:14:46 PM
 FILE: NorthCarolinaDept.of.Transportation\NCDOT_Western.Div.Operations\NCDOT_U2714_US117.cad\CAD_BIM\6.2.Work_In_Progress\U2714_NCDOT_File_Structure\Roadway\Proj\U2714_RDY_ROW_PSH-07.dgn

REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
U-2714	RW-8
RDY SHEET NO. 8	
ROADWAY DESIGN ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
HDR Engineering, Inc. of the Carolinas 555 Fayetteville St. Suite 900 Raleigh, N.C. 27601 N.C.B.E.L.S. License Number: F-01116	



PLOT DRIVER: NCDOT_color_eng_50.plt
 USER: SPHEREA
 PENTABLE: NCDOT_pshp.plt.tbi
 TIME: 9:56:40 AM
 DATE: 12/10/2019
 FILE: North Carolina Dept. of Transportation\NCDOT\Western Div. Or-Coll.M. NCDOT-U2714.US117.cad.BIM.v6.2.Work.In.Progress\U-2714.RDY_ROW_PSH-08.dgn

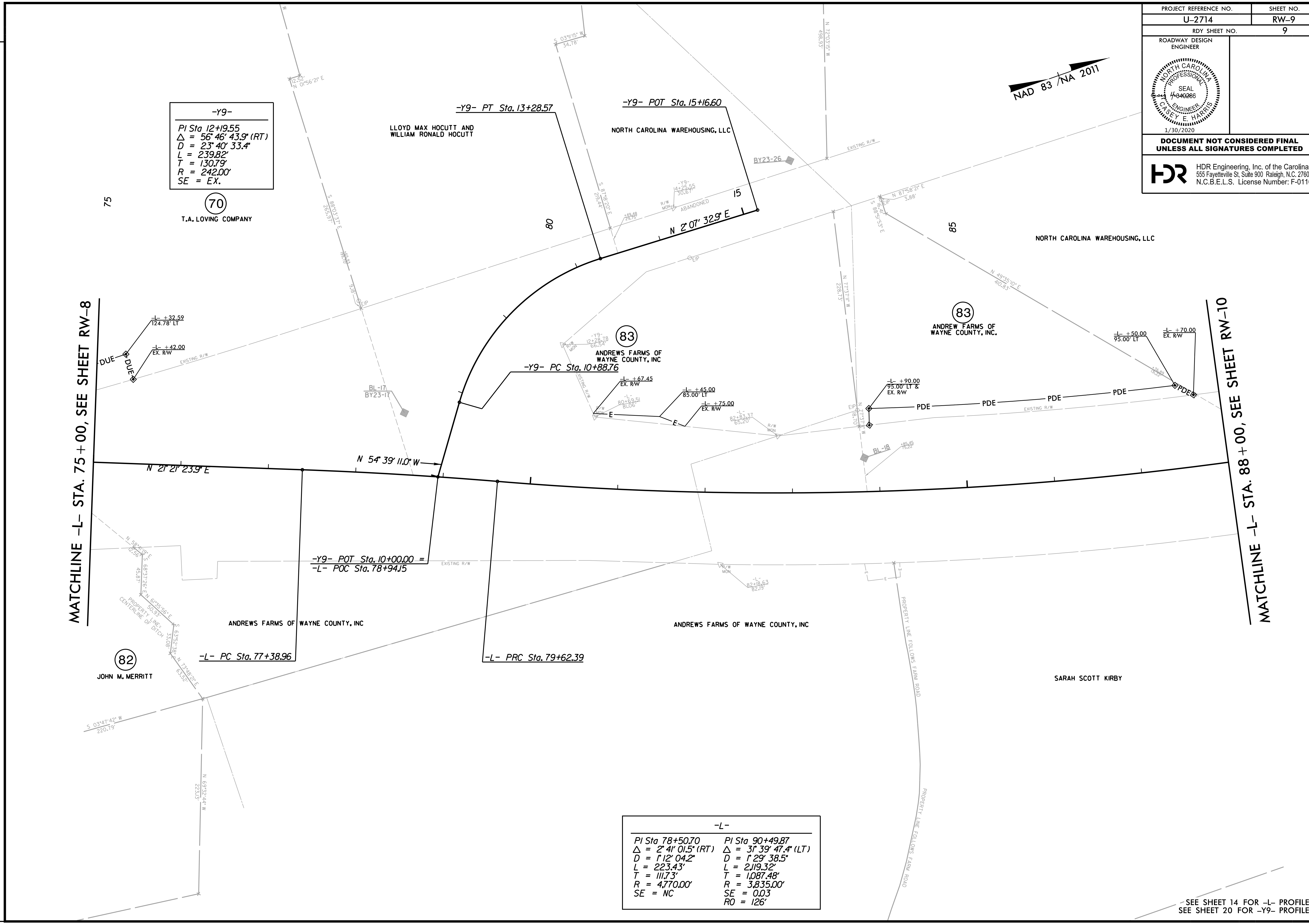
REVISIONS

SEE SHEET 14 FOR -L- PROFILE
 SEE SHEET 20 FOR -Y8- PROFILE
 SEE SHEET 20 FOR -DRI- PROFILE
 SEE SHEET 3P-1 FOR PROPERTY OWNERS

PLOT DRIVER: NCDOT_color_eng_50.plt
 USER: SPHERE
 DATE: 12/10/2019
 TIME: 9:56:50 AM
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REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
U-2714	RW-9
RDY SHEET NO. 9	
ROADWAY DESIGN ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
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	



-Y9-
 PI Sta 12+19.55
 $\Delta = 56^\circ 46' 43.9''$ (RT)
 $D = 23^\circ 40' 33.4''$
 $L = 239.82'$
 $T = 130.79'$
 $R = 242.00'$
 $SE = EX.$

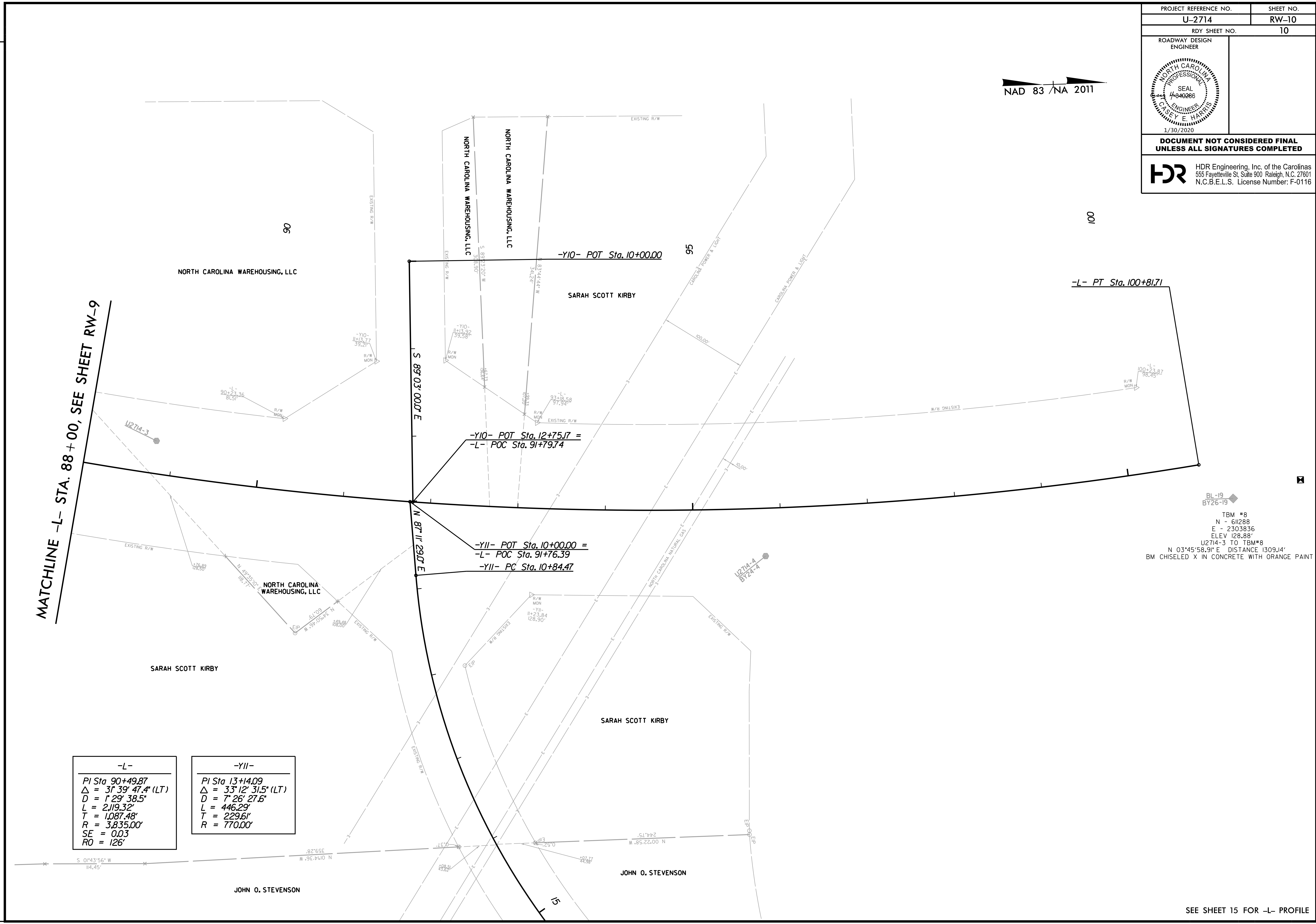
-L-

PI Sta 78+50.70	PI Sta 90+49.87
$\Delta = 2^\circ 41' 01.5''$ (RT)	$\Delta = 31^\circ 39' 47.4''$ (LT)
$D = 1^\circ 12' 04.2''$	$D = 1^\circ 29' 38.5''$
$L = 223.43'$	$L = 2,119.32'$
$T = 111.73'$	$T = 1,087.48'$
$R = 4,770.00'$	$R = 3,835.00'$
$SE = NC$	$SE = 0.03$
	$RO = 126'$

SEE SHEET 14 FOR -L- PROFILE
 SEE SHEET 20 FOR -Y9- PROFILE

PROJECT REFERENCE NO.	SHEET NO.
U-2714	RW-10
RDY SHEET NO. 10	
ROADWAY DESIGN ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
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	

NAD 83 / NA 2011



MATCHLINE -L- STA. 88+00, SEE SHEET RW-9

-L-
PI Sta 90+49.87
$\Delta = 31^{\circ} 39' 47.4''$ (LT)
D = 129' 38.5"
L = 2,119.32'
T = 1,087.48'
R = 3,835.00'
SE = 0.03
RO = 126'

-Y11-
PI Sta 13+14.09
$\Delta = 33^{\circ} 12' 31.5''$ (LT)
D = 7' 26' 27.6"
L = 446.29'
T = 229.61'
R = 770.00'

BL-19
BY26-19

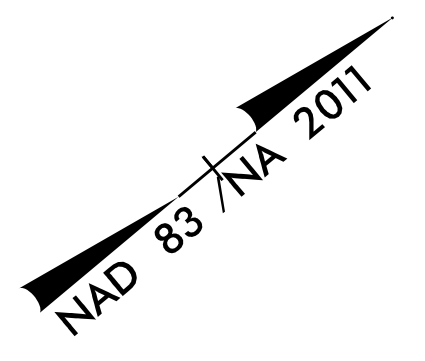
TBM #8
N - 61288
E - 2303836
ELEV 128.88'
U2714-3 TO TBM#8
N 03°45'58.91" E DISTANCE 1309.14'
BM CHISELED X IN CONCRETE WITH ORANGE PAINT

PLOT DRIVER: NCDOT_color_eng_50.plt
 USER: SPHERE
 DATE: 12/10/2019
 TIME: 9:57:01 AM
 PENTABLE: NCDOT_pshp.plt.tdi
 FILE: North Carolina Dept. of Transportation\NCDOT_Western.Div. On-Call.M. NCDOT-U2714-US117.cad.BIM.6.2.Work.In.Progess\U-2714.NCDOT_File.Structure.Roadway\Proj\U2714.RDY_ROW_PSH-10.dgn

REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
U-2714	RW-11
RDY SHEET NO. 11	
ROADWAY DESIGN ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

-Y4RT-	-Y4-	-Y4LT-
PI Sta 17+06.56	PI Sta 17+04.64	PI Sta 17+02.72
$\Delta = 51' 19" 16.9'$ (RT)	$\Delta = 51' 19" 16.9'$ (RT)	$\Delta = 51' 19" 16.9'$ (RT)
$D = 15' 54' 55.8"$	$D = 15' 54' 55.8"$	$D = 15' 54' 55.8"$
$L = 322.46'$	$L = 322.46'$	$L = 322.46'$
$T = 172.95'$	$T = 172.95'$	$T = 172.95'$
$R = 360.00'$	$R = 360.00'$	$R = 360.00'$
$SE = 0.06$	$SE = 0.06$	$SE = 0.06$
$RO = 70'$		$RO = 120'$



TBM #4
 N - 604525
 E - 2301769
 ELEV 117.48'
 U2714-3 TO TBM#4
 S 19°57'06.98" W DISTANCE 5805.54'
 BM NAIL IN 20 INCH SWEET GUM TREE

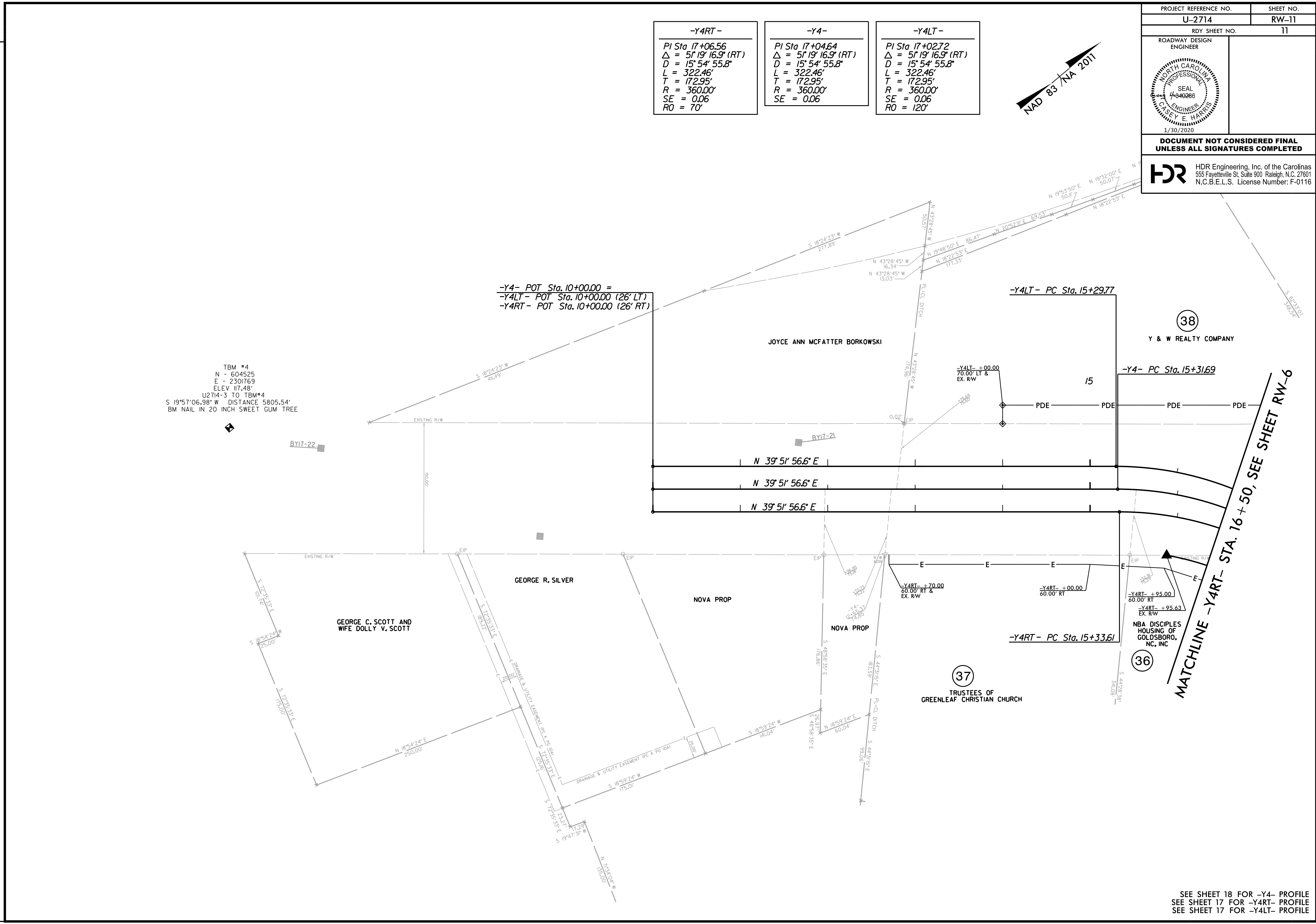
-Y4- POT Sta. 10+00.00 =
 -Y4LT- POT Sta. 10+00.00 (26' LT)
 -Y4RT- POT Sta. 10+00.00 (26' RT)

-Y4LT- PC Sta. 15+29.77

-Y4- PC Sta. 15+31.69

-Y4RT- PC Sta. 15+33.61

MATCHLINE -Y4RT- STA. 16+50, SEE SHEET RW-6

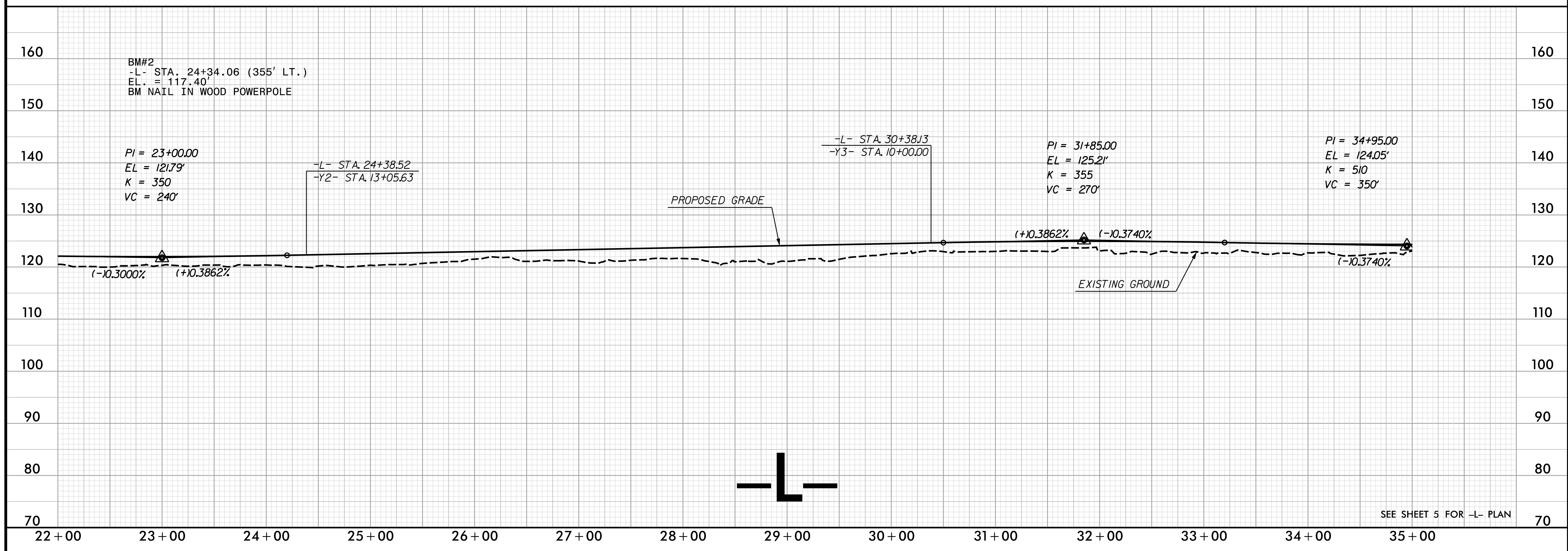
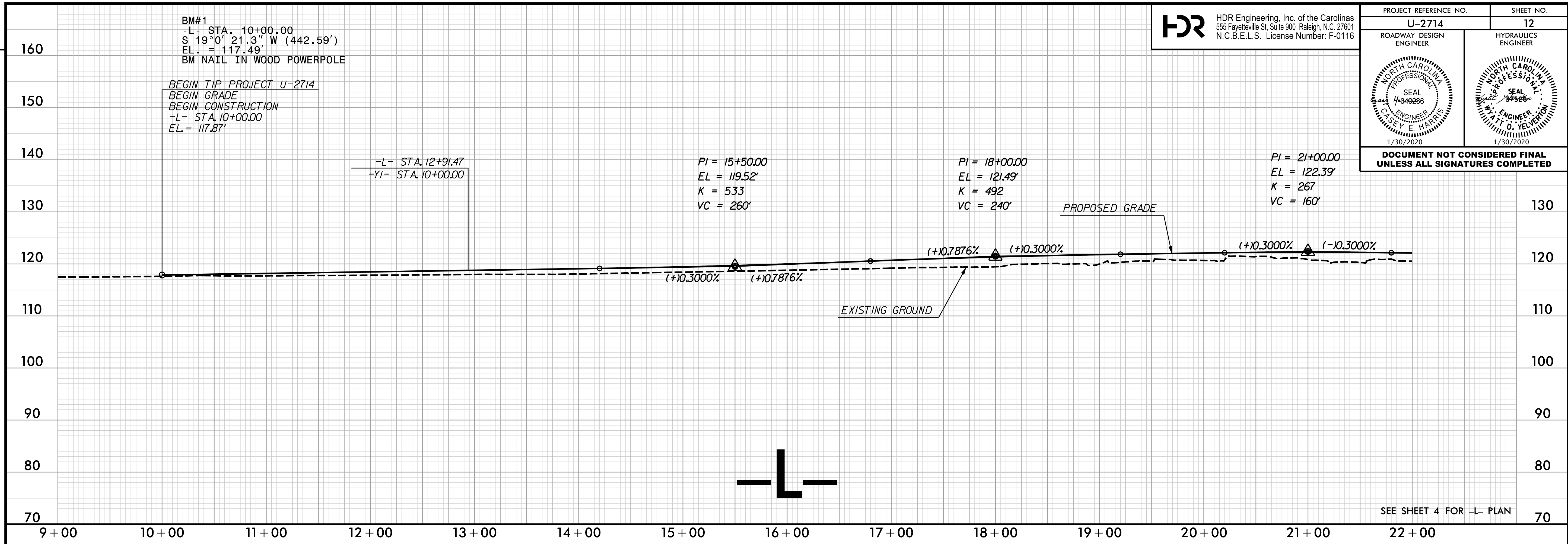


REVISIONS

PLOT DRIVER: NCDOT_color_eng_50.plt
 USER: SPHEREIRA
 DATE: 12/10/2019
 TIME: 9:57:11 AM
 FILE: North_Carolina_Dept_of_Transportation\NCDOT_Western_Div_Or-Coll_M_NCDOT-U2714_US117.cad

SEE SHEET 18 FOR -Y4- PROFILE
 SEE SHEET 17 FOR -Y4RT- PROFILE
 SEE SHEET 17 FOR -Y4LT- PROFILE

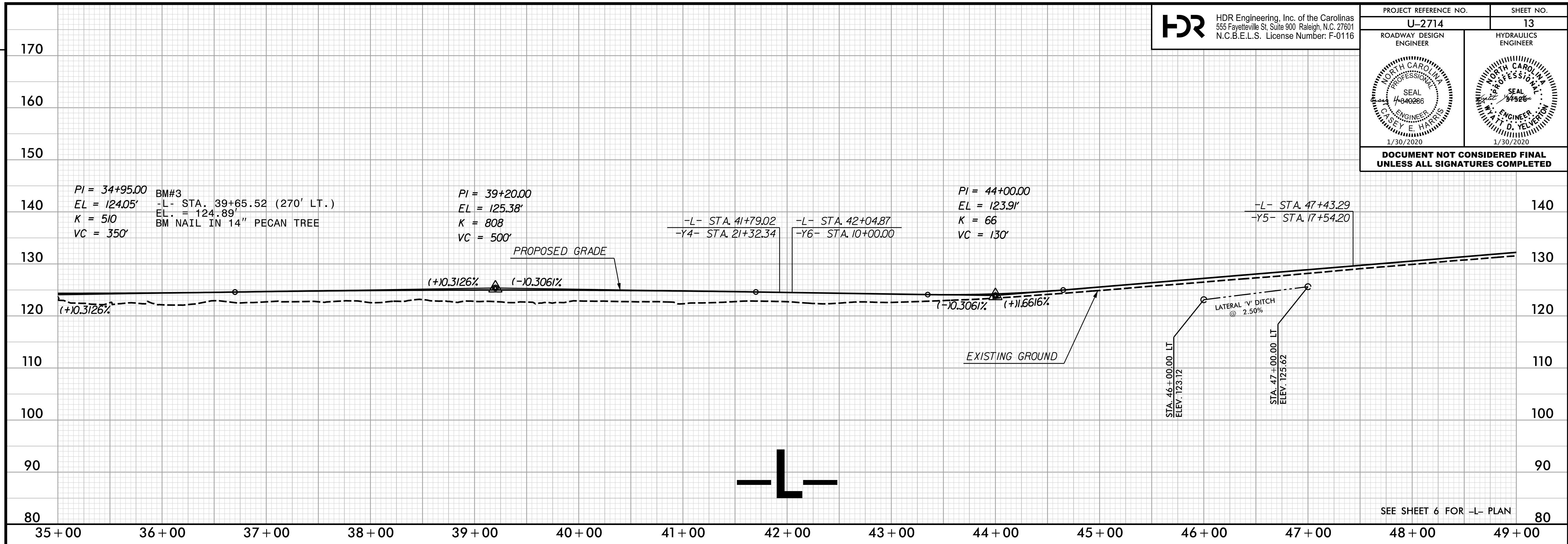
PROJECT REFERENCE NO. U-2714	SHEET NO. 12
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



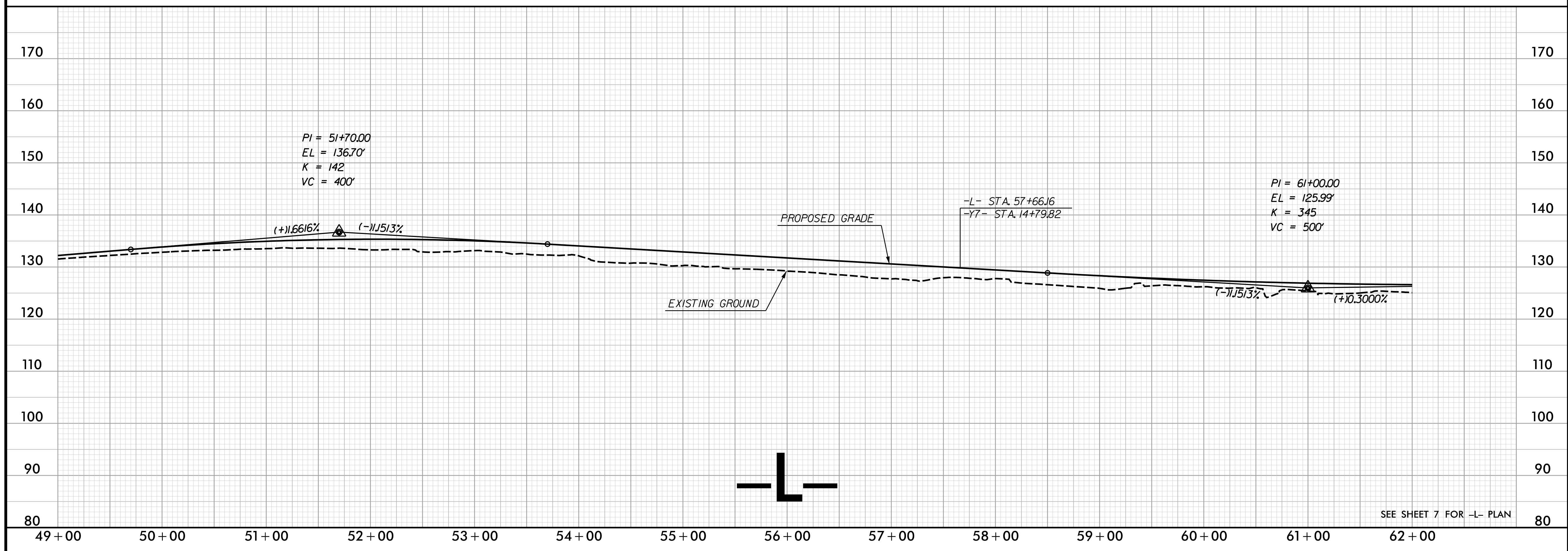
PLOT DRIVER: NCDOT_color_eng_50.plt
 USER: SPEREIRA
 DATE: 12/6/2019
 TIME: 5:07:48 PM
 FILE: North_Carolina_Dept_of_Transportation\NCDOT_Infrastructure\Roadway\Proj\U2714_RDY_PFL-12.dgn

REVISIONS

PROJECT REFERENCE NO. U-2714	SHEET NO. 13
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



SEE SHEET 6 FOR -L- PLAN



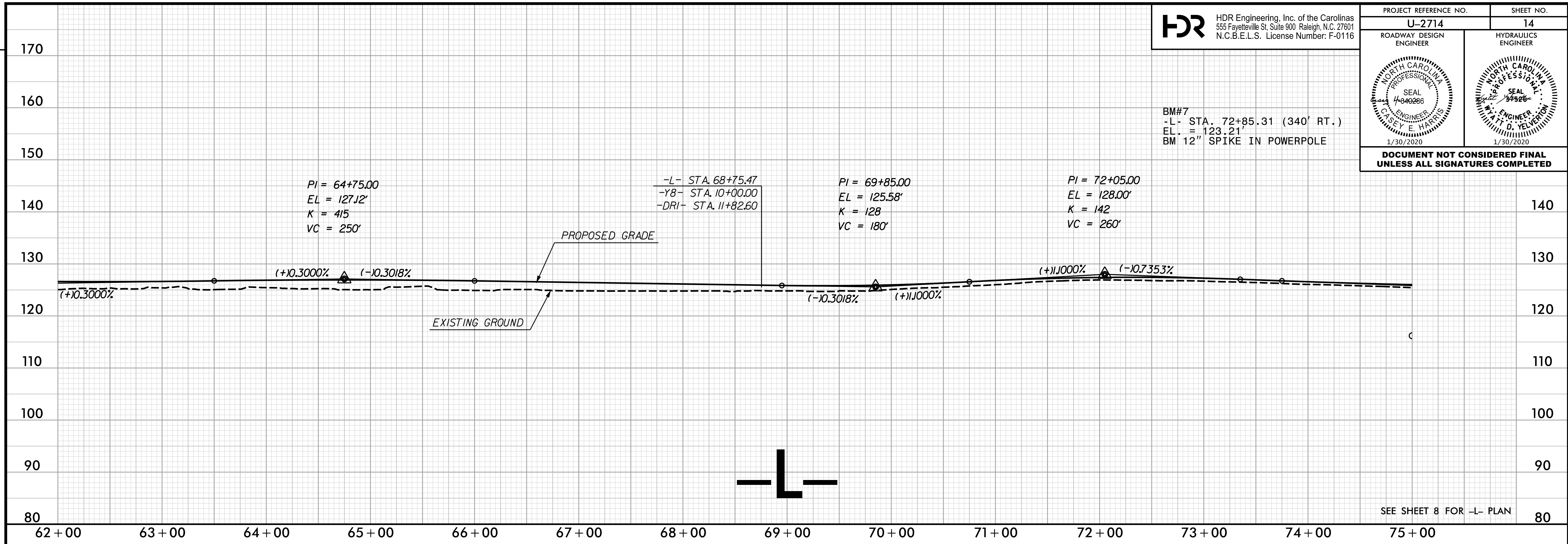
SEE SHEET 7 FOR -L- PLAN

PLOT DRIVER: NCDOT_color_eng_50.plt
 USER: SPEREIRA
 FILE: North.Carolina.Dept.of.Transportation\NCDOT\Western.Div.Or-Coll.M.\NCDOT-U2714.US117.c.\6.0.CAD.BIM.6.2.Work.In.Progess\U-2714.NCDOT_File.Structure.Roadway\Proj\U2714.RDY_PFL-13.dgn
 PENTABLE: NCDOT_pshp.plt
 TIME: 5:07:55 PM
 DATE: 12/6/2019

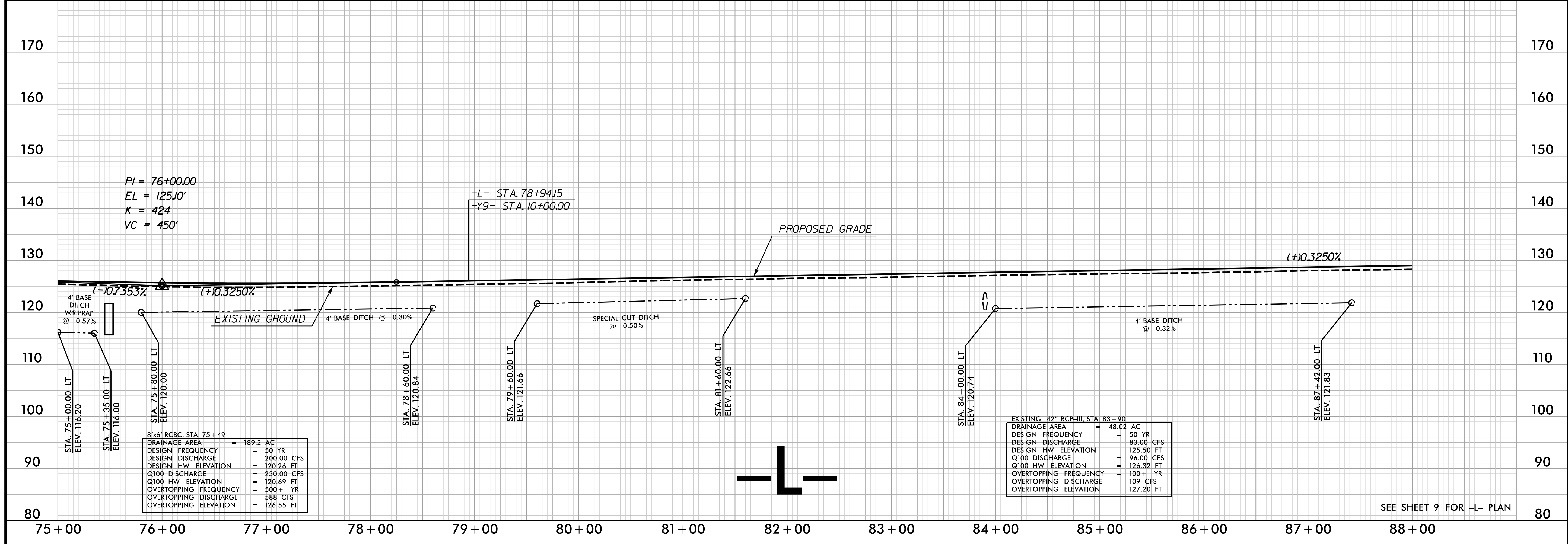
REVISIONS

PROJECT REFERENCE NO. U-2714	SHEET NO. 14
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

BM#7
-L- STA. 72+85.31 (340' RT.)
EL. = 123.21'
BM 12" SPIKE IN POWERPOLE



SEE SHEET 8 FOR -L- PLAN



SEE SHEET 9 FOR -L- PLAN

PLOT DRIVER: NCDOT_pdf_color_eng_50.plt
 USER: SPEREIRA
 DATE: 12/6/2019
 TIME: 5:08:03 PM
 FILE: North_Carolina_Dept_of_Transportation\NCDOT_Western_Div_Or-Coll_M_NCDOT-U2714_US117.cad\6.0_CAD_BITMAPS\2714_NCDOT_File_Structure_Roadway\Proj\U2714_RDY_PFL-14.dgn

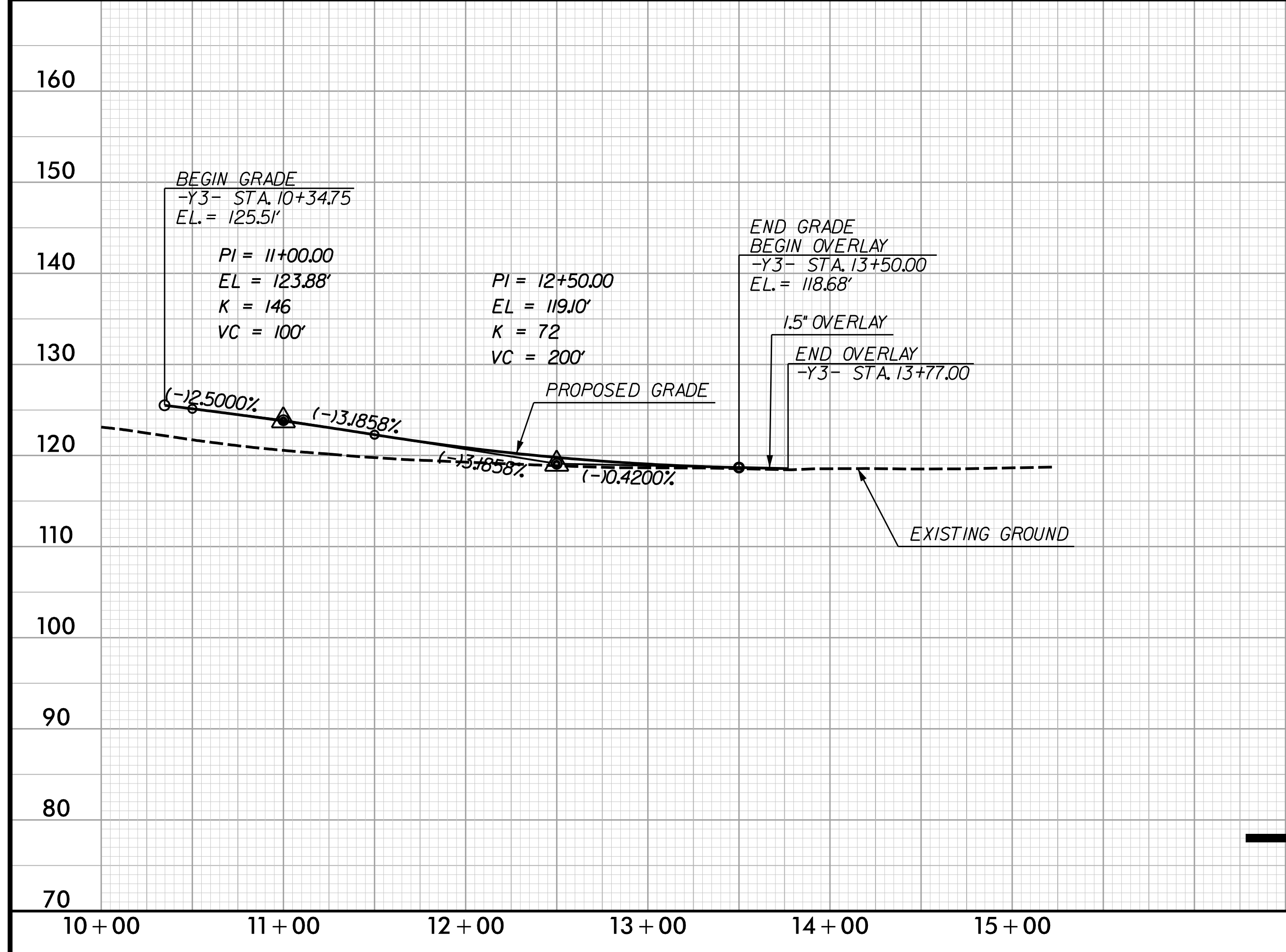
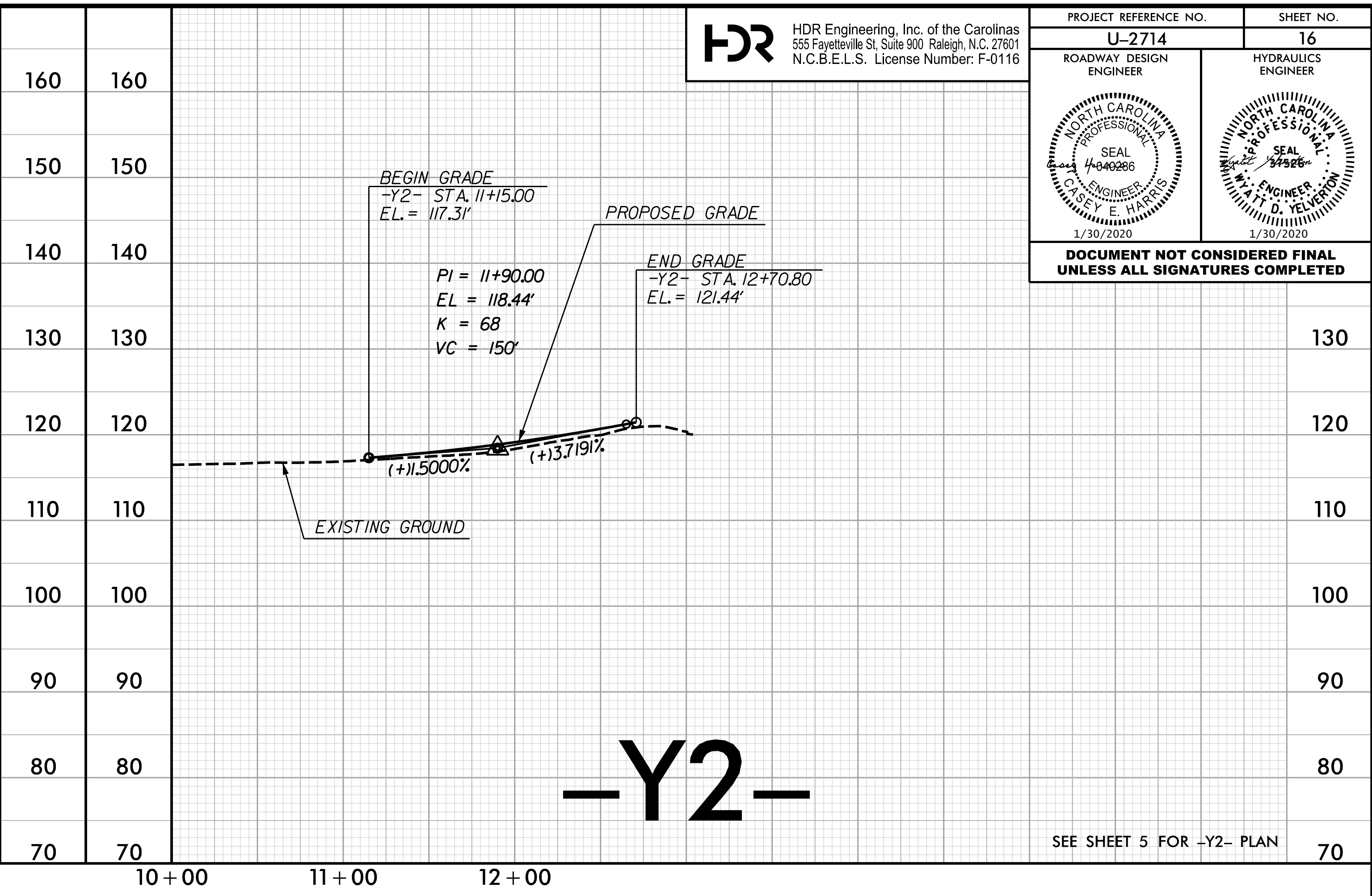
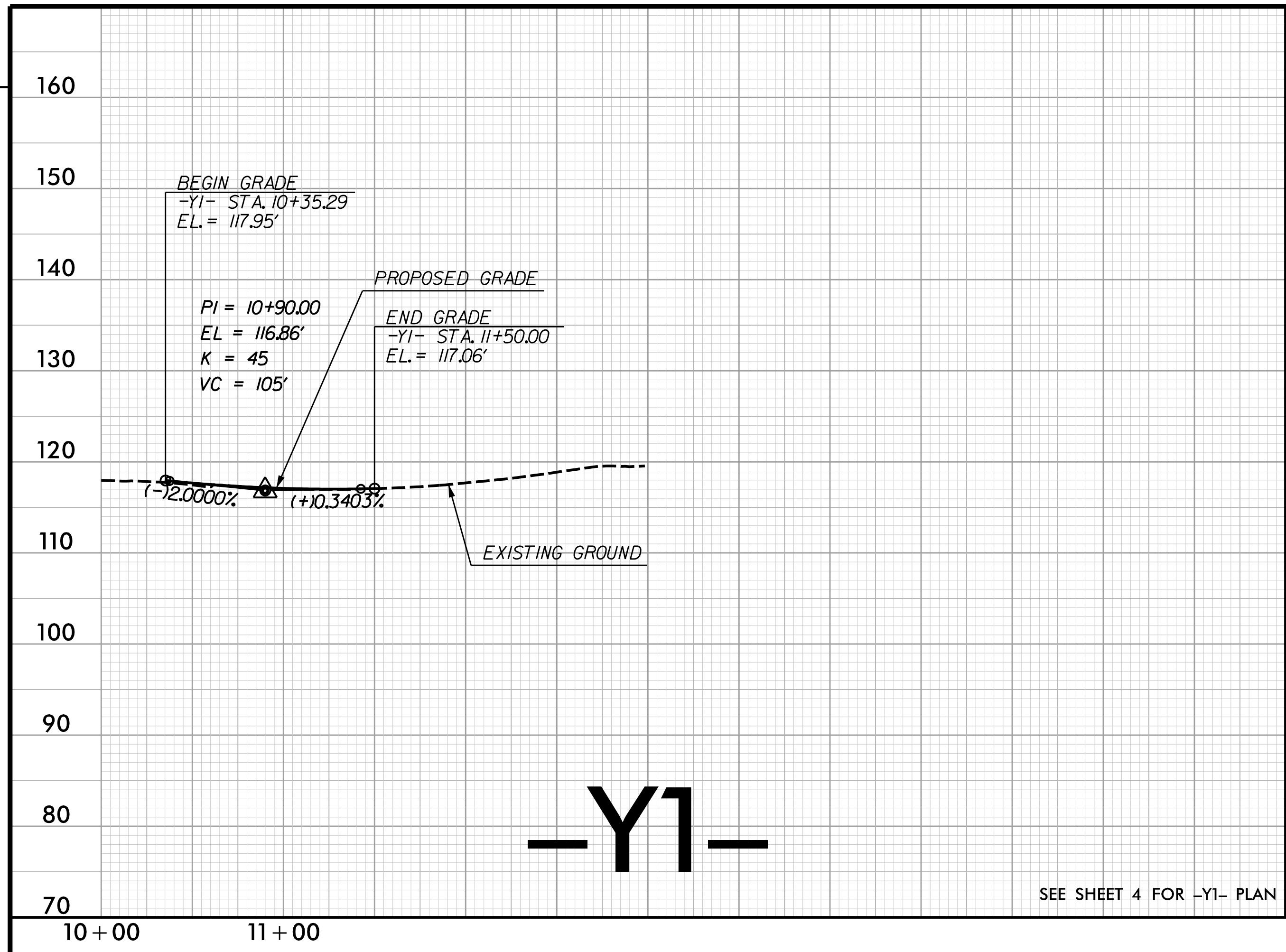
REVISIONS

PROJECT REFERENCE NO. U-2714	SHEET NO. 15
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



PLOT DRIVER: NCDOT_color_eng_50.plt
 USER: SPEREIRA
 DATE: 12/6/2019
 TIME: 5:08:10 PM
 FILE: North.Carolina.Dept.of.Transportation\NCDOT_Western.Div.Or-Coll.M.\NCDOT-U2714_US117.c.\6.0.CAD.BIM\6.2.Work.In_Progress\U-2714_NCDOT_File_Structure\Roadway\Proj\U2714_RDY_PFL_15.dgn

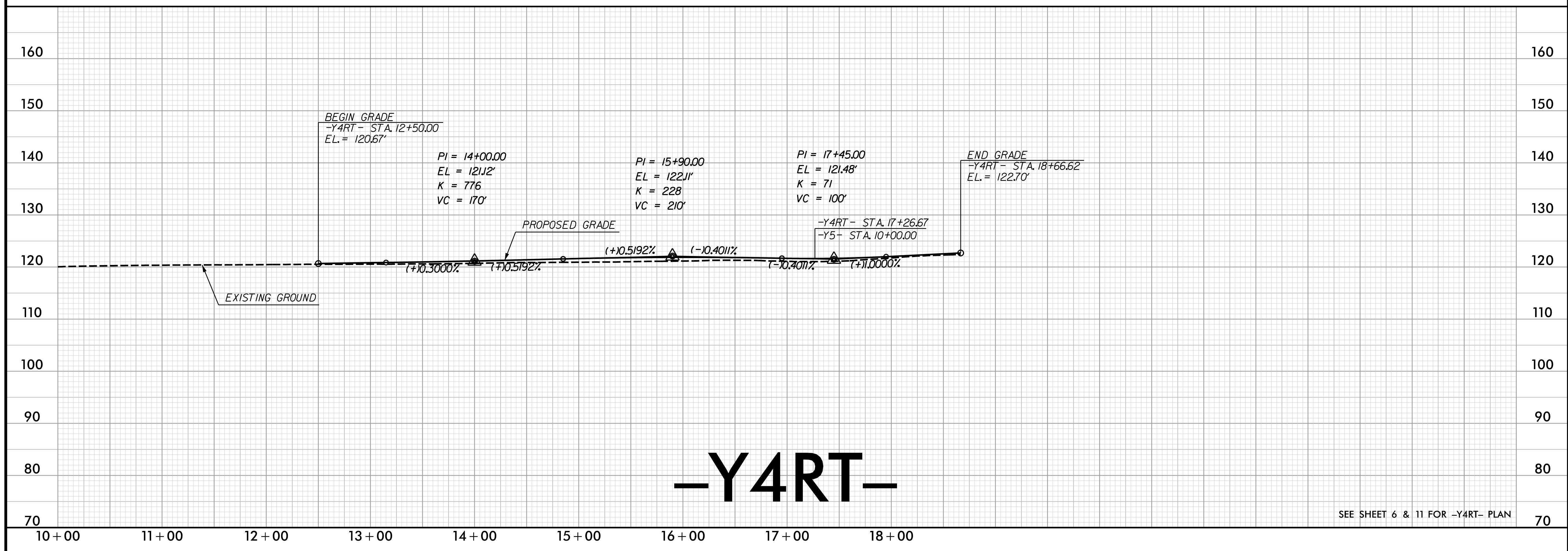
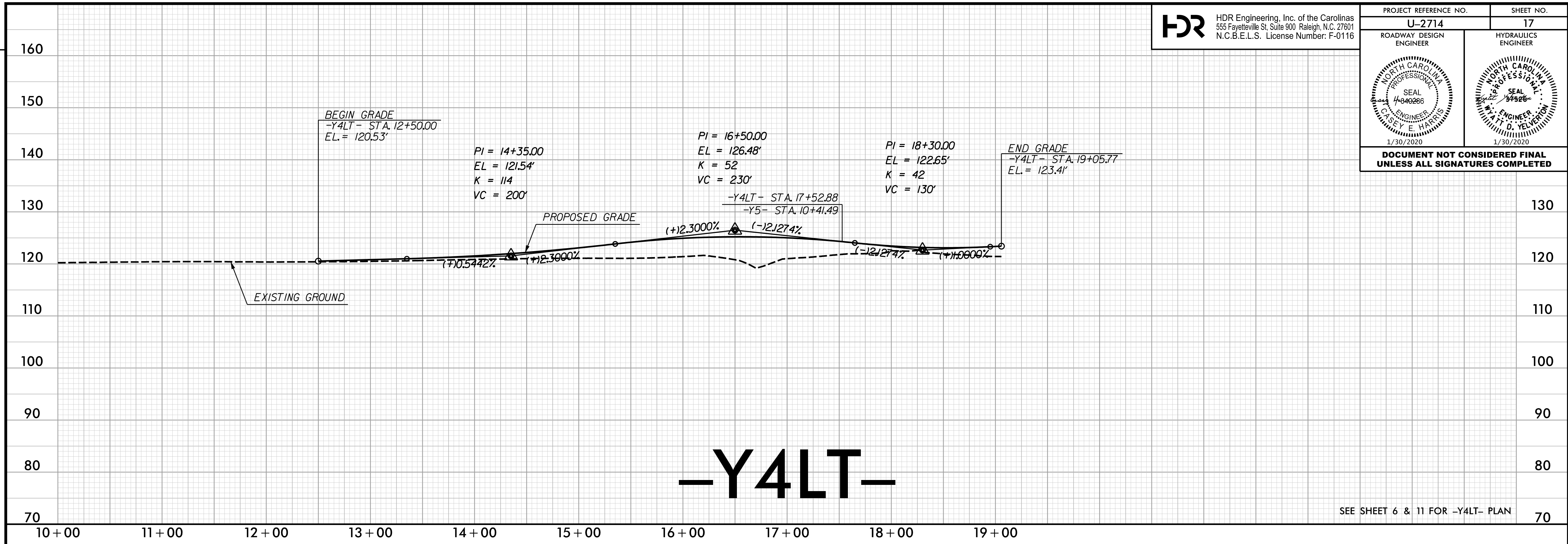
PROJECT REFERENCE NO. U-2714	SHEET NO. 16
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



PLOT DRIVER: NCDOT_color_eng_50.plt
 USER: SPEREIRA
 DATE: 12/6/2019
 TIME: 5:08:17 PM
 FILE: North.Carolina.Dept.of.Transportation\NCDOT_Western.Div.Or-Coll.M.\NCDOT-U2714-US117.c.\6.0.CAD.BIM\6.2.Work.In_Progress\U-2714.NCDOT_File_Structure\Roadway\Proj\U2714.RDY_PFL-16.dgn

REVISIONS

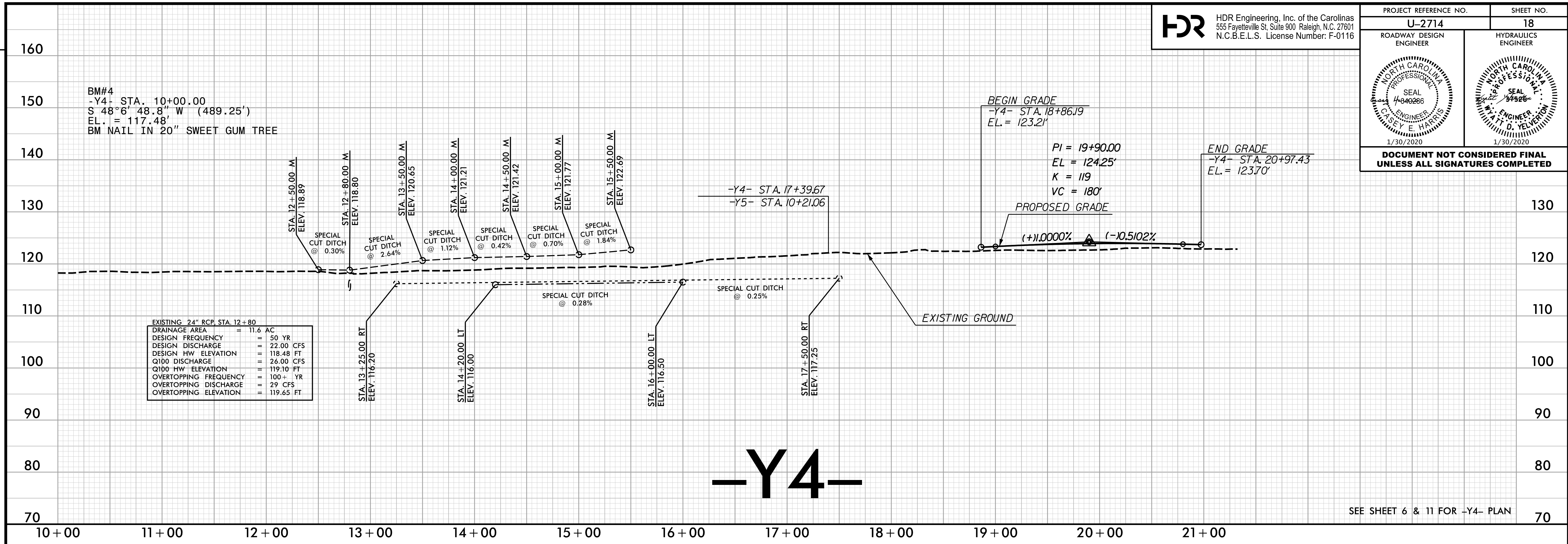
PROJECT REFERENCE NO. U-2714	SHEET NO. 17
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



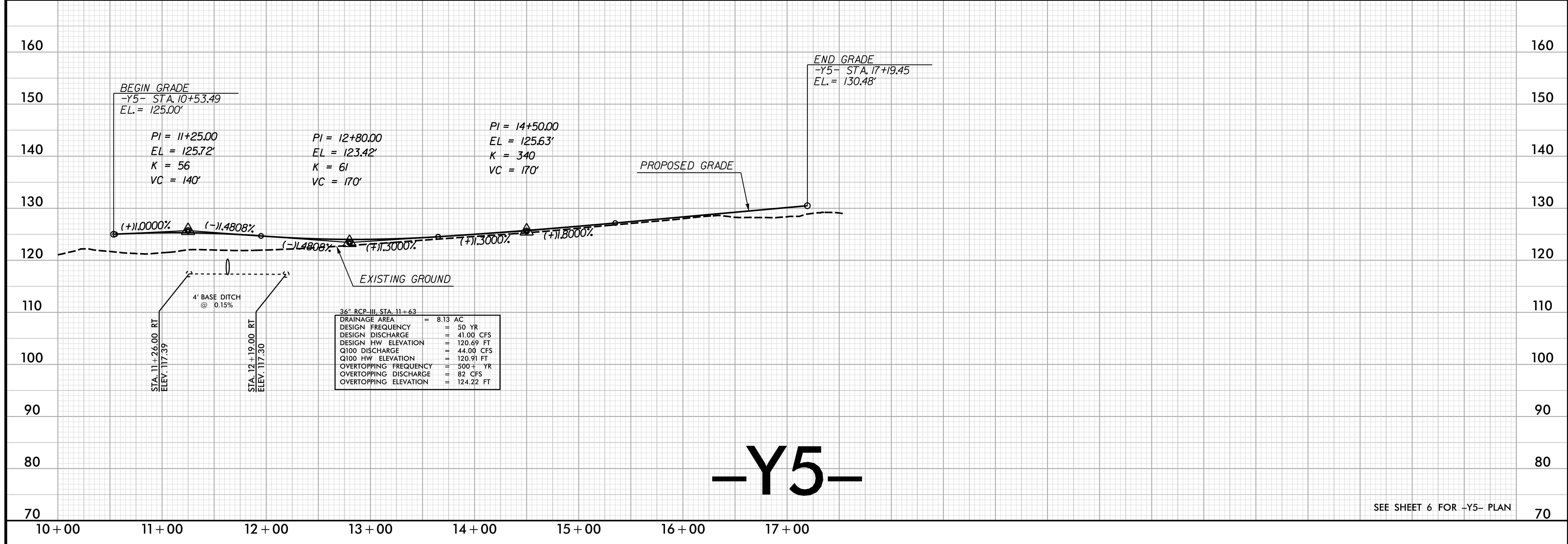
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 USER: SPEREIRA
 DATE: 12/6/2019
 TIME: 5:08:25 PM
 FILE: NorthCarolinaDept.of.Transportation\NCDOT_Western.Div. On-Call.M. \NCDOT-U2714_US117.c. \6.0.CAD.BIM\6.2.Work.In_Progress\U-2714_NCDOT_File_Structure\Roadway\Proj\U2714_RDY_PFL-17.dgn

REVISIONS

PROJECT REFERENCE NO. U-2714	SHEET NO. 18
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



SEE SHEET 6 & 11 FOR -Y4- PLAN

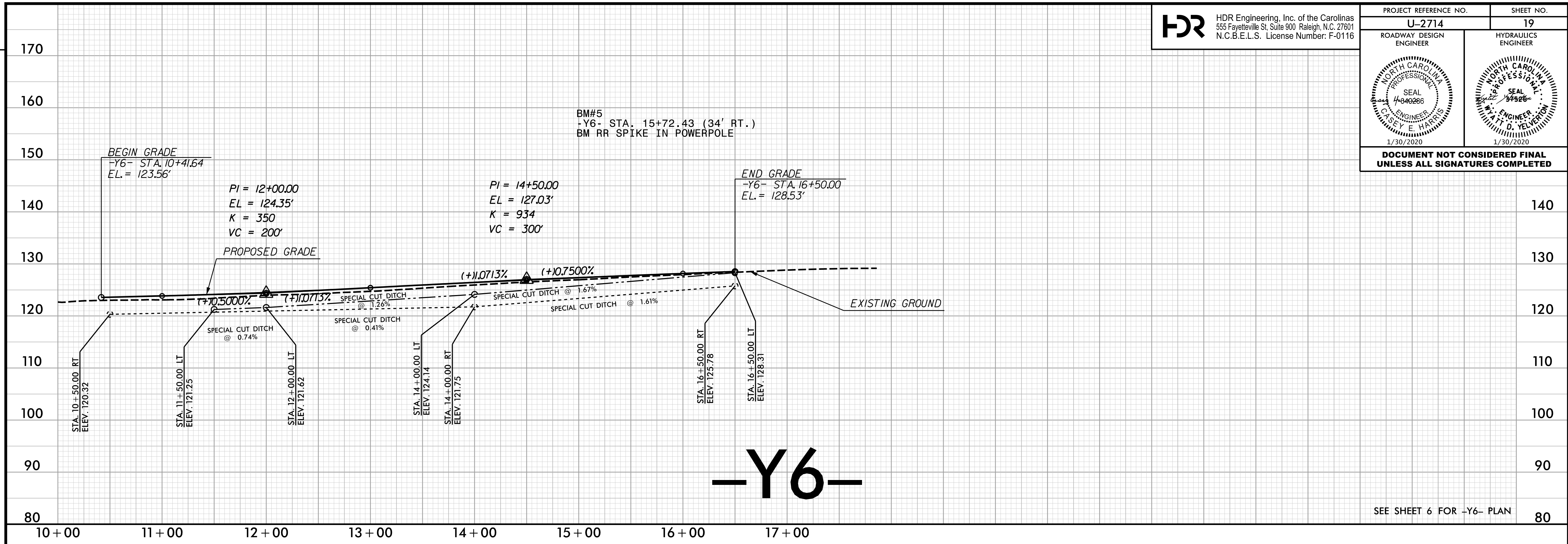


SEE SHEET 6 FOR -Y5- PLAN

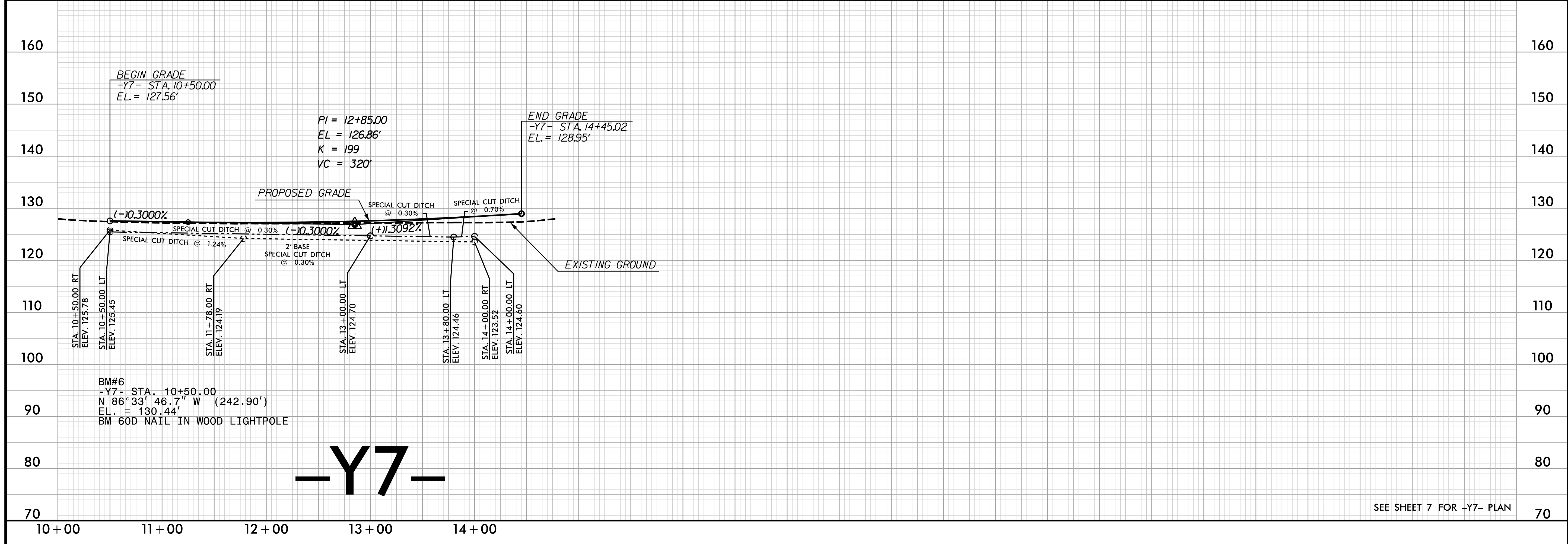
PLOT DRIVER: NCDOT_color_eng_50.plt
 USER: SPEREIRA
 DATE: 12/6/2019
 TIME: 5:08:33 PM
 FILE: NorthCarolinaDept.of.Transportation\NCDOT_Western.Div.Operations\NCDOT-U2714-US117.cad\CAD-BIM\6.2.Work.In_Progress\U-2714-NC DOT_File_Structure\Roadway\Proj\U2714-RDY_PFL-18.dgn

REVISIONS

PROJECT REFERENCE NO. U-2714	SHEET NO. 19
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



SEE SHEET 6 FOR -Y6- PLAN

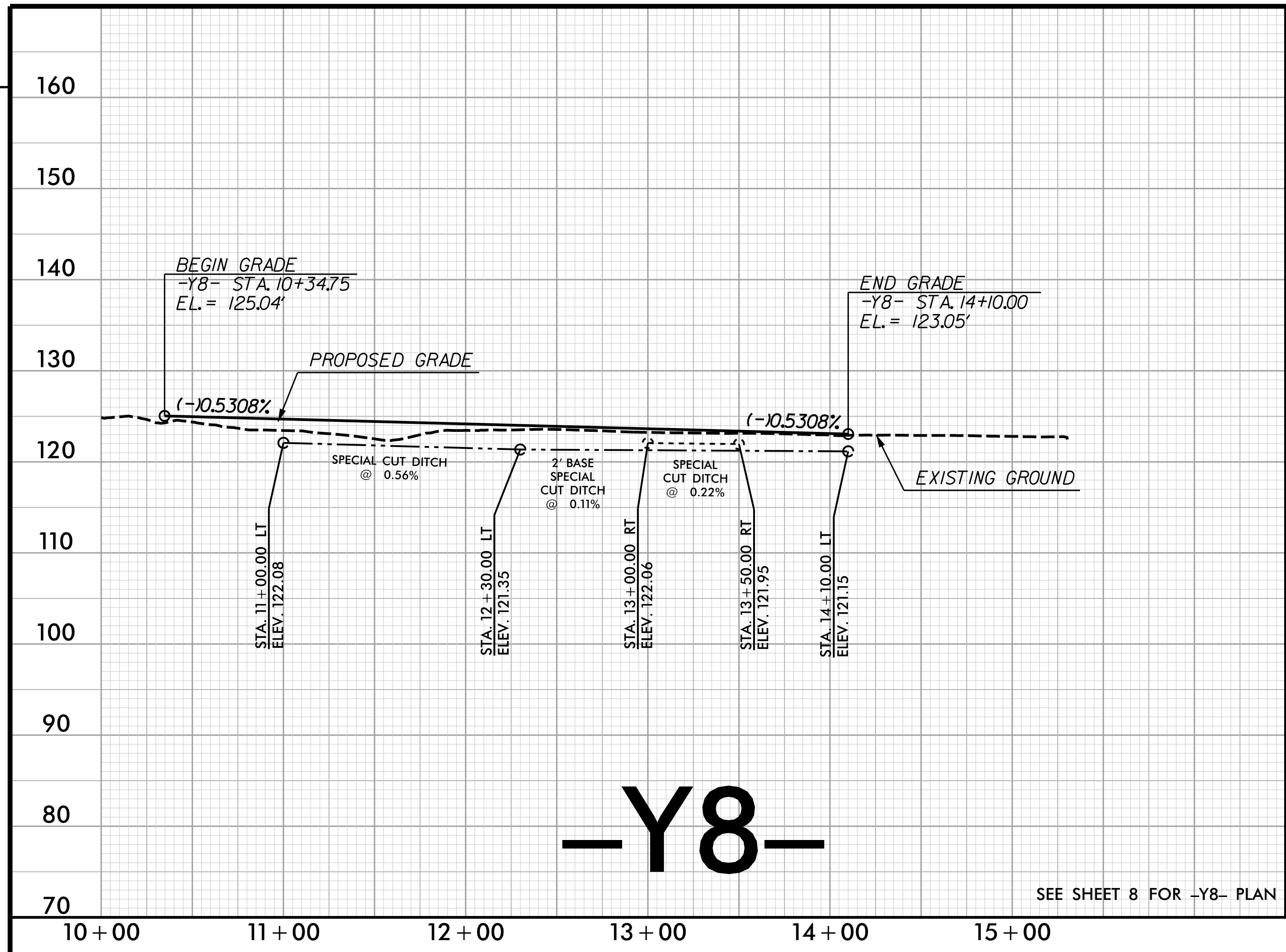


SEE SHEET 7 FOR -Y7- PLAN

PLOT DRIVER: NCDOT_color_eng_50.plt
 USER: SPEREIRA
 DATE: 12/6/2019
 TIME: 5:08:41 PM
 FILE: North_Carolina_Dept_of_Transportation\NCDOT_Western_Div_Or-Coll_M_NCDOT-U2714_US117.cad\NCDOT-U2714_US117.cad\6.0_CAD_BIM\6.2_Work_In_Progress\U-2714_NCDOT_File_Structure_Roadway\Proj\U2714_RDY_PFL-19.dgn

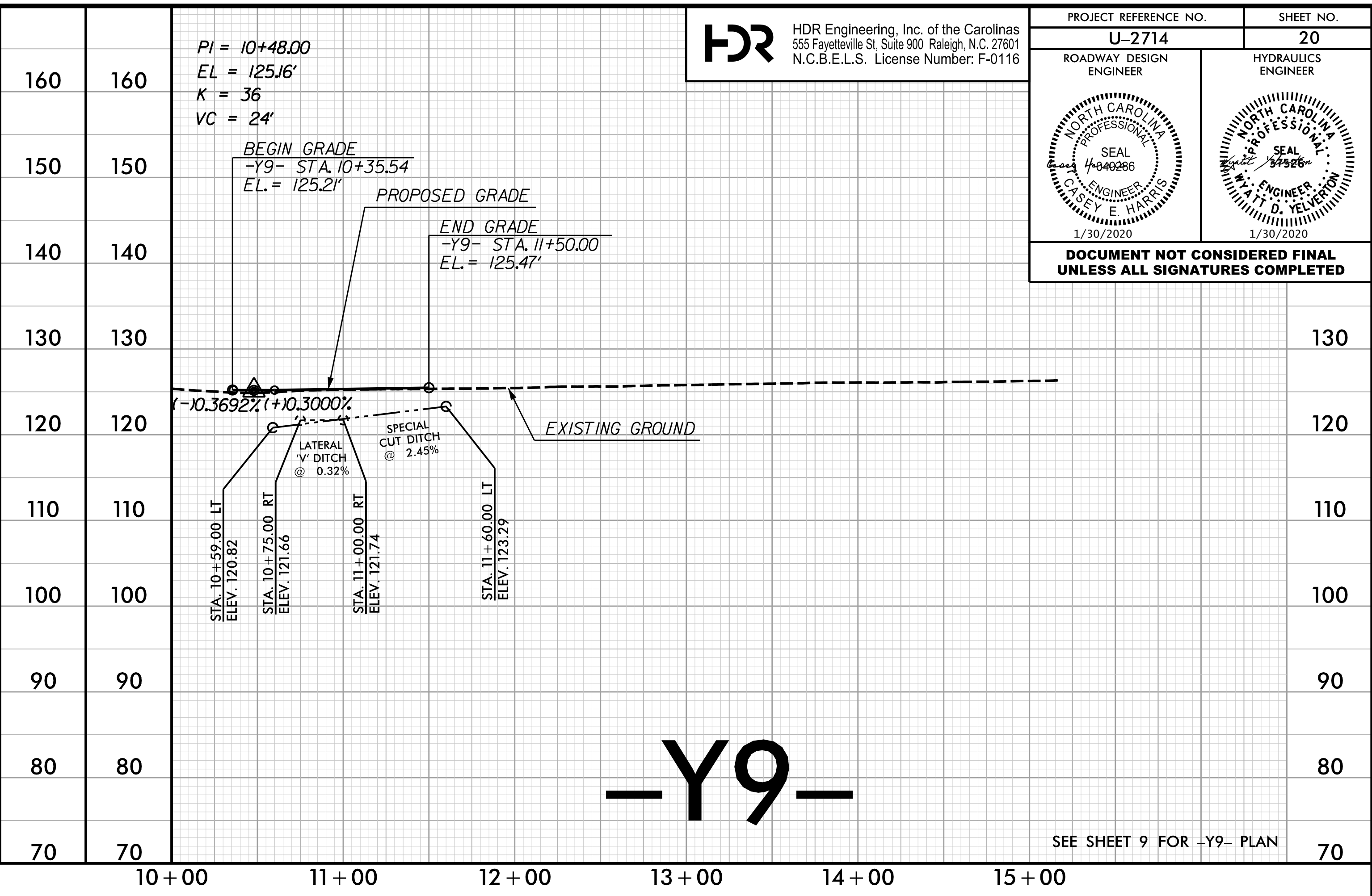
REVISIONS

PROJECT REFERENCE NO. U-2714	SHEET NO. 20
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



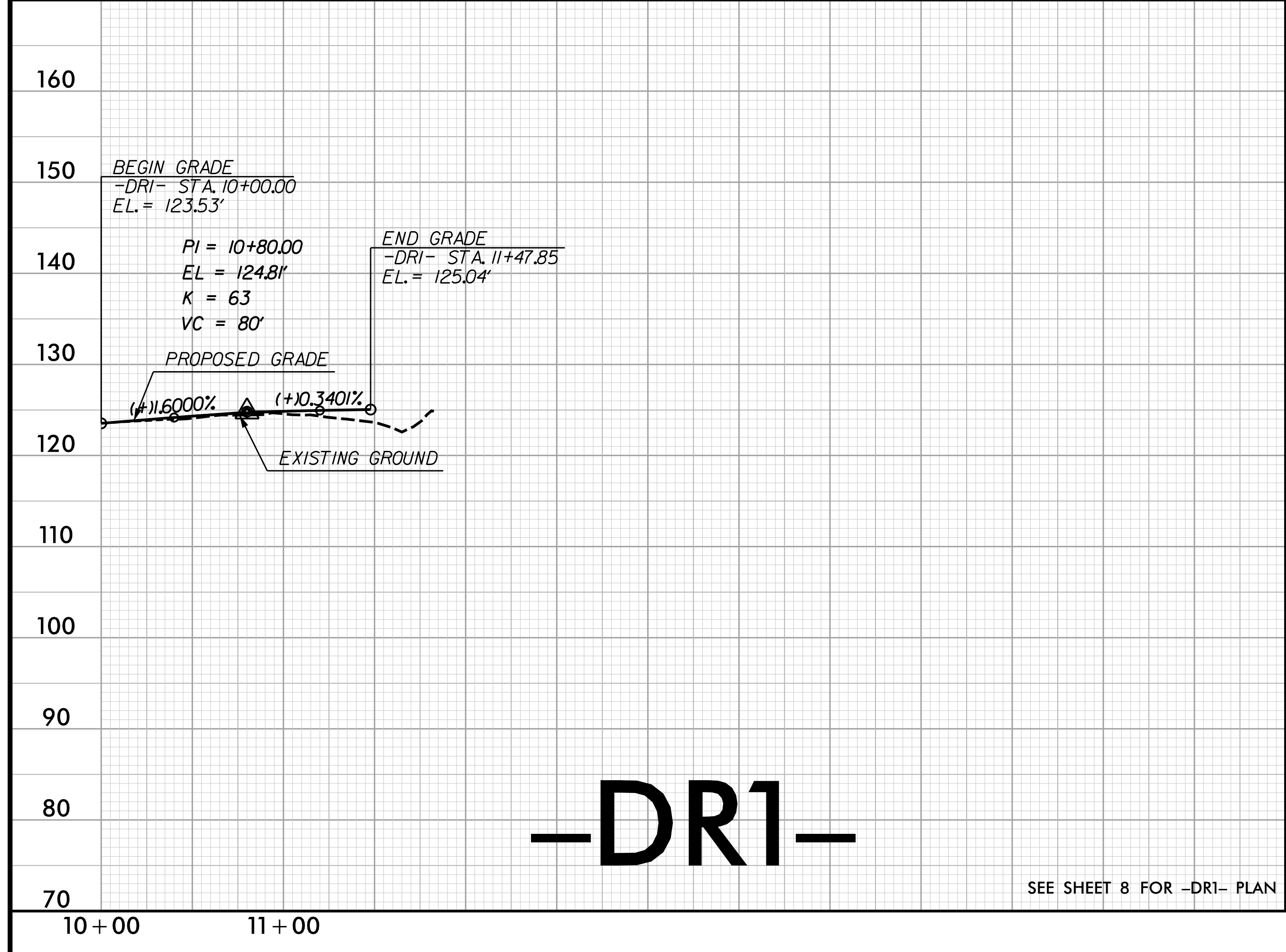
-Y8-

SEE SHEET 8 FOR -Y8- PLAN



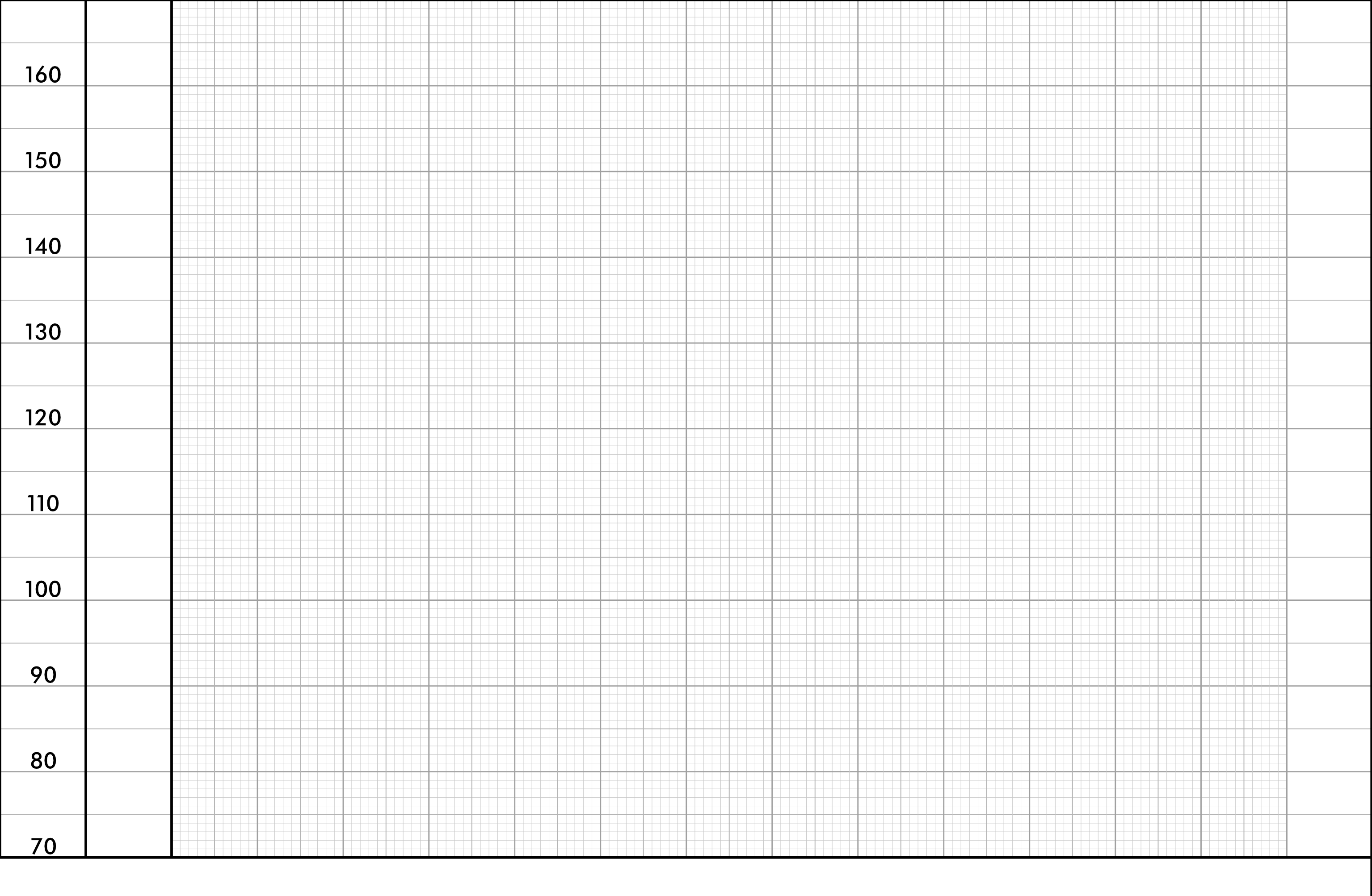
-Y9-

SEE SHEET 9 FOR -Y9- PLAN



-DR1-

SEE SHEET 8 FOR -DR1- PLAN



PLOT DRIVER: NCDOT_color_eng_50.plt
 USER: SPEREIRA
 DATE: 12/6/2019
 TIME: 5:08:48 PM
 FILE: North.Carolina.Dept.of.Transportation\NCDOT_Western.Div.Or-Coll.M.\NCDOT-U2714-US117.c.\6.0.CAD.BIM\6.2.Work.In_Progress\U-2714.NCDOT_File_Structure\Roadway\Proj\U2714.RDY_PFL-20.dgn

REVISIONS