

-L.LT-			
Pls Sta 58+60.86	Pls Sta 61+38.96	Pls Sta 64+16.83	Pls Sta 71+70.95
$\Delta = 0' 35' 16.4"$	$\Delta = 4' 24' 15.2" (LT)$	$\Delta = 0' 35' 16.4"$	$\Delta = 1' 59' 02.2" (RT)$
Ls = 126.00'	D = 0' 55' 59.4"	Ls = 126.00'	D = 0' 35' 22.1"
LT = 84.00'	L = 47.197'	LT = 84.00'	L = 336.57'
ST = 42.00'	T = 2.3610'	ST = 42.00'	T = 168.30'
	R = 6,140.00'		R = 9,720.00'

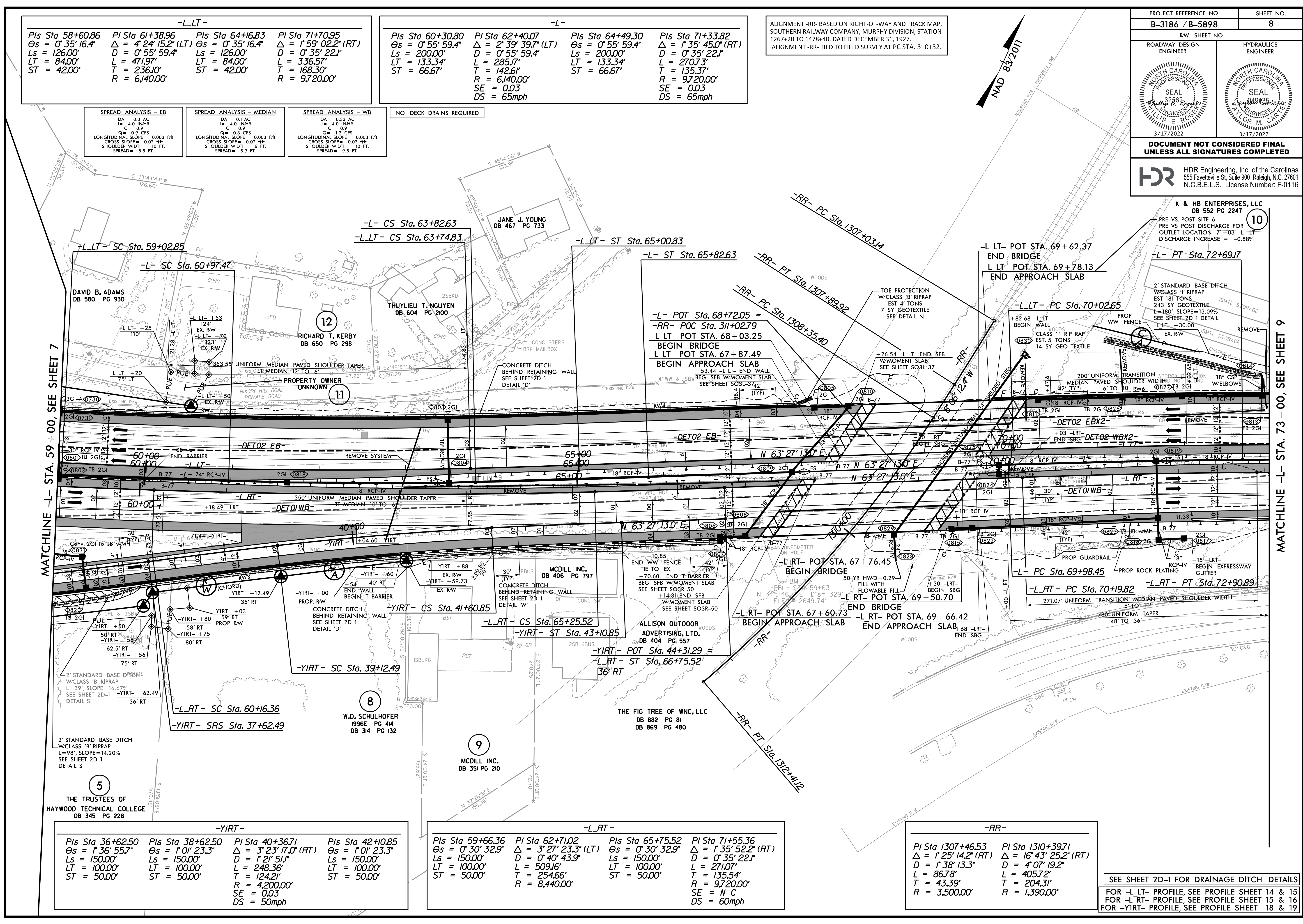
-L-			
Pls Sta 60+30.80	Pls Sta 62+40.07	Pls Sta 64+49.30	Pls Sta 71+33.82
$\Delta = 0' 55' 59.4"$	$\Delta = 2' 39' 39.7" (LT)$	$\Delta = 0' 55' 59.4"$	$\Delta = 1' 35' 45.0" (RT)$
Ls = 200.00'	D = 0' 55' 59.4"	Ls = 200.00'	D = 0' 35' 22.1"
LT = 133.34'	L = 285.77'	LT = 133.34'	L = 270.73'
ST = 66.67'	T = 142.61'	ST = 66.67'	T = 135.37'
	R = 6,140.00'		R = 9,720.00'
	SE = 0.03		SE = 0.03
	DS = 65mph		DS = 65mph

ALIGNMENT -RR- BASED ON RIGHT-OF-WAY AND TRACK MAP, SOUTHERN RAILWAY COMPANY, MURPHY DIVISION, STATION 1267+20 TO 1478+40, DATED DECEMBER 31, 1927.  
ALIGNMENT -RR- TIED TO FIELD SURVEY AT PC STA. 310+32.

SPREAD ANALYSIS - EB		SPREAD ANALYSIS - MEDIAN		SPREAD ANALYSIS - WB	
DA = 0.3 AC	I = 4.0 INHR	DA = 0.1 AC	I = 4.0 INHR	DA = 0.33 AC	I = 4.0 INHR
C = 0.9	Q = 0.9 CFS	C = 0.9	Q = 0.9 CFS	C = 0.9	Q = 1.2 CFS
LONGITUDINAL SLOPE = 0.003 H/F	CROSS SLOPE = 0.02 H/F	LONGITUDINAL SLOPE = 0.003 H/F	CROSS SLOPE = 0.02 H/F	LONGITUDINAL SLOPE = 0.003 H/F	CROSS SLOPE = 0.02 H/F
SHOULDER WIDTH = 10 FT.	SPREAD = 8.5 FT.	SHOULDER WIDTH = 6 FT.	SPREAD = 5.9 FT.	SHOULDER WIDTH = 10 FT.	SPREAD = 9.5 FT.

NO DECK DRAINS REQUIRED

PROJECT REFERENCE NO. <b>B-3186 / B-5898</b>	SHEET NO. <b>8</b>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
3/17/2022	3/17/2022
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	
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	



-Y.IRT-			
Pls Sta 36+62.50	Pls Sta 38+62.50	Pls Sta 40+36.71	Pls Sta 42+10.85
$\Delta = 1' 36' 55.7"$	$\Delta = 1' 01' 23.3"$	$\Delta = 3' 23' 17.0" (RT)$	$\Delta = 1' 01' 23.3"$
Ls = 150.00'	Ls = 150.00'	D = 1' 21' 51.1"	Ls = 150.00'
LT = 100.00'	LT = 100.00'	L = 248.36'	LT = 100.00'
ST = 50.00'	ST = 50.00'	T = 124.21'	ST = 50.00'
		R = 4,200.00'	
		SE = 0.03	
		DS = 50mph	

-L.RT-			
Pls Sta 59+66.36	Pls Sta 62+71.02	Pls Sta 65+75.52	Pls Sta 71+55.36
$\Delta = 0' 30' 32.9"$	$\Delta = 3' 27' 23.3" (LT)$	$\Delta = 0' 30' 32.9"$	$\Delta = 1' 35' 52.2" (RT)$
Ls = 150.00'	D = 0' 40' 43.9"	Ls = 150.00'	D = 0' 35' 22.1"
LT = 100.00'	L = 509.16'	LT = 100.00'	L = 271.07'
ST = 50.00'	T = 254.66'	ST = 50.00'	T = 135.54'
	R = 8,440.00'		R = 9,720.00'
			SE = N C
			DS = 60mph

-RR-	
Pls Sta 1307+46.53	Pls Sta 1310+39.71
$\Delta = 1' 25' 14.2" (RT)$	$\Delta = 16' 43' 25.2" (RT)$
D = 1' 38' 13.3"	D = 4' 07' 19.2"
L = 86.78'	L = 405.72'
T = 43.39'	T = 204.31'
R = 3,500.00'	R = 1,390.00'

SEE SHEET 2D-1 FOR DRAINAGE DITCH DETAILS  
FOR -L.LT- PROFILE, SEE PROFILE SHEET 14 & 15  
FOR -L.RT- PROFILE, SEE PROFILE SHEET 15 & 16  
FOR -Y.IRT- PROFILE, SEE PROFILE SHEET 18 & 19

PLOT DRIVERS: NCDOT\_color\_eng\_50.plt  
USER: HBARE  
DATE: 3/16/2022  
TIME: 1:59:44 PM  
FILE: NCDOT\NCDOT-B3186\_T02.cad\6.0.CAD.BTM.6.2.Work\k\_in\_Progress\B-3186-B-5898\Roadway\p\B3186-B5898.RDY\_PSH08.dgn

MATCHLINE -L- STA. 59+00, SEE SHEET 7

MATCHLINE -L- STA. 73+00, SEE SHEET 9

5 THE TRUSTEES OF HAYWOOD TECHNICAL COLLEGE DB 345 PG 228

8 W.D. SCHULHOFER 1996 PG 414 DB 314 PG 132

9 MCDILL INC. DB 351 PG 210

-L.RT- CS Sta. 65+25.52  
-Y.IRT- SC Sta. 39+12.49

-L.RT- CS Sta. 65+25.52  
-Y.IRT- SC Sta. 39+12.49

-L.RT- CS Sta. 65+25.52  
-Y.IRT- SC Sta. 39+12.49

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-Y.IRT- SC Sta. 39+12.49

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-Y.IRT- SC Sta. 39+12.49

-L.RT- CS Sta. 65+25.52  
-Y.IRT- SC Sta. 39+12.49

-L.RT- CS Sta. 65+25.52  
-Y.IRT- SC Sta. 39+12.49

-L.LT- SC Sta. 59+02.85

-L.LT- SC Sta. 60+97.47

-L- CS Sta. 63+82.63  
-L.LT- CS Sta. 63+74.83

-L.LT- ST Sta. 65+00.83

-L- ST Sta. 65+82.63

-L- POT Sta. 68+72.05 =  
-RR- POC Sta. 311+02.79

-RR- PT Sta. 1307+03.14

-L.LT- POT Sta. 69+62.37  
END BRIDGE  
-L.LT- POT Sta. 69+78.13  
END APPROACH SLAB

-L- PT Sta. 72+69.17

DAVID B. ADAMS DB 580 PG 930

RICHARD T. KERBY DB 650 PG 298

THUYLIU T. NGUYEN DB 604 PG 2100

JANE J. YOUNG DB 467 PG 733

MCDILL INC. DB 406 PG 797

ALLISON OUTDOOR ADVERTISING, L.T.O. DB 404 PG 557

THE FIG TREE OF WNC, LLC DB 882 PG 8 DB 869 PG 480

W.D. SCHULHOFER 1996 PG 414 DB 314 PG 132

K & HB ENTERPRISES, LLC DB 552 PG 2247

UNIFORM MEDIAN PAVED SHOULDER TAPER

CONCRETE DITCH BEHIND RETAINING WALL

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UNIFORM MEDIAN PAVED SHOULDER TAPER

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