

**TEMPORARY DRAINAGE DETAIL FOR PHASED CONSTRUCTION**

<b>-YISRPA-</b> Pile Sta 12+07.57 $\Delta = 3^{\circ} 52' 02.9"$ $D = 13.04' 19.8"$ (RT) $L = 282.0'$ $LT = 144.03'$ $T = 72.03'$ $R = 1600.0'$		<b>-YISRPA-</b> Pile Sta 14+62.86 $\Delta = 13^{\circ} 04' 19.8"$ (RT) $D = 3.34' 5.6"$ $L = 365.0'$ $LT = 182.5'$ $T = 91.25'$ $R = 1600.0'$		<b>-YISRPA-</b> Pile Sta 17+08.61 $\Delta = 9^{\circ} 17' 02.4"$ $D = 12.00'$ $L = 128.0'$ $LT = 64.0'$ $T = 32.0'$ $R = 500.0'$		<b>-YISRPA-</b> Pile Sta 21+08.02 $\Delta = 9^{\circ} 17' 02.4"$ $D = 12.00'$ $L = 128.0'$ $LT = 64.0'$ $T = 32.0'$ $R = 500.0'$		<b>-YISRPA-</b> Pile Sta 22+56.25 $\Delta = 21^{\circ} 37' 53.2"$ (LT) $D = 17.65'$ $L = 88.25'$ $LT = 44.125'$ $T = 22.0625'$ $R = 1000.0'$			
<b>-SRCD-</b> Pile Sta 37+99.87 $\Delta = 22^{\circ} 07' 00.0"$ (RT) $D = 7.09' 43.1"$ $L = 307.16'$ $LT = 153.58'$ $T = 76.79'$ $R = 800.0'$		<b>-L-</b> Pile Sta 100+548.3 $\Delta = 1^{\circ} 34' 13.2"$ $D = 1.03' 39.7"$ $L = 154.88'$ $LT = 77.44'$ $T = 38.72'$ $R = 5000.0'$		<b>-L-</b> Pile Sta 100+309.4 $\Delta = 1^{\circ} 34' 13.2"$ $D = 1.03' 39.7"$ $L = 154.88'$ $LT = 77.44'$ $T = 38.72'$ $R = 5000.0'$		<b>-L-</b> Pile Sta 102+47.04 $\Delta = 1^{\circ} 34' 13.2"$ $D = 1.03' 39.7"$ $L = 154.88'$ $LT = 77.44'$ $T = 38.72'$ $R = 5000.0'$		<b>-LREY-</b> Pile Sta 101+94.39 $\Delta = 17^{\circ} 54' 30.8"$ (LT) $D = 2.06' 00.8"$ $L = 222.0'$ $LT = 111.0'$ $T = 55.5'$ $R = 7400'$		<b>-LREY-</b> Pile Sta 103+96.89 $\Delta = 15^{\circ} 42' 03.8"$ (LT) $D = 1.51'$ $L = 69.5'$ $LT = 34.75'$ $T = 17.375'$ $R = 1557.00'$	
<b>-SR11-</b> Pile Sta 12+33.35 $\Delta = 21^{\circ} 17' 49.8"$ (RT) $D = 18.05' 54.9"$ $L = 294.0'$ $LT = 147.0'$ $T = 73.5'$ $R = 3000.0'$		<b>-SR11-</b> Pile Sta 15+82.74 $\Delta = 15^{\circ} 42' 03.8"$ (LT) $D = 1.51'$ $L = 69.5'$ $LT = 34.75'$ $T = 17.375'$ $R = 1557.00'$		<b>-SR11-</b> Pile Sta 16+80.64 $\Delta = 21^{\circ} 37' 53.2"$ (LT) $D = 17.65'$ $L = 88.25'$ $LT = 44.125'$ $T = 22.0625'$ $R = 1000.0'$		<b>-SR11-</b> Pile Sta 19+80.64 $\Delta = 21^{\circ} 37' 53.2"$ (LT) $D = 17.65'$ $L = 88.25'$ $LT = 44.125'$ $T = 22.0625'$ $R = 1000.0'$		<b>-Y25A-</b> Pile Sta 22+44.57 $\Delta = 17^{\circ} 13' 45.7"$ (RT) $D = 1.005'$ $L = 50.25'$ $R = 25000.00'$			

PROJECT REFERENCE NO. 1-5878  
 SHEET NO. 20-9  
 ROADWAY DESIGN ENGINEER  
 CAROLINA POWER & LIGHT  
 1000 EAST 7TH STREET, SUITE 200  
 WILMINGTON, NC 28401  
 (910) 343-1234  
 02/23/2021  
 02/23/2021  
 UNLESS NOT CONSIDERED FINAL  
 ALL SIGNATURES COMPLETED

REVISIONS

NO.	DATE	DESCRIPTION

-YIS-

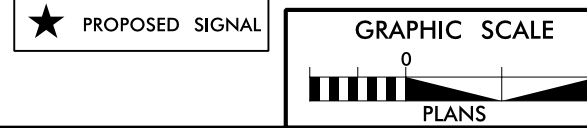
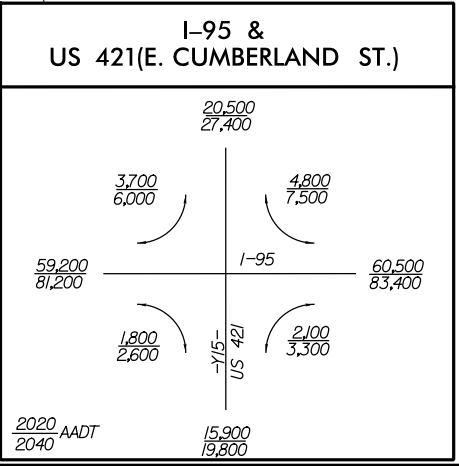
Pile Sta 21+57.1	Pile Sta 28+30.77	Pile Sta 38+05.01
$\Delta = 5^{\circ} 07' 53.1"$ (RT)	$\Delta = 12^{\circ} 44' 44.2"$ (RT)	$\Delta = 12^{\circ} 00' 00.0"$ (RT)
$D = 1^{\circ} 39' 13.3"$	$D = 7^{\circ} 29' 56.8"$	$D = 7^{\circ} 29' 56.8"$
$L = 313.4'$	$L = 112.28'$	$L = 83.77'$
$T = 156.7'$	$T = 56.14'$	$T = 41.88'$
$R = 3500.0'$	$R = 5000.0'$	$R = 4000.0'$

-YISRPD-

Pile Sta 11+26.02	Pile Sta 16+33.56	Pile Sta 21+42.60	Pile Sta 24+43.56	Pile Sta 26+57.12
$\Delta = 2^{\circ} 50' 36.2"$	$\Delta = 07^{\circ} 28.4"$ (LT)	$\Delta = 07^{\circ} 41' 42.8"$	$\Delta = 2^{\circ} 50' 36.2"$	$\Delta = 2^{\circ} 50' 36.2"$ (RT)
$D = 180.0'$	$D = 3^{\circ} 05' 28.4"$	$D = 180.0'$	$D = 12^{\circ} 43' 56.8"$	$D = 8^{\circ} 49' 53.0"$
$L = 126.0'$	$L = 87.28'$	$L = 126.0'$	$L = 112.2'$	$L = 301.46'$
$T = 63.0'$	$T = 43.64'$	$T = 63.0'$	$T = 56.1'$	$T = 151.73'$
$R = 630.0'$	$R = 1850.0'$	$R = 630.0'$	$R = 561.9'$	$R = 450.0'$

-SR18-

Pile Sta 23+31.00	Pile Sta 27+88.20	Pile Sta 29+69.96
$\Delta = 2^{\circ} 50' 36.2"$	$\Delta = 2^{\circ} 50' 36.2"$ (LT)	$\Delta = 2^{\circ} 50' 36.2"$ (RT)
$D = 180.0'$	$D = 180.0'$	$D = 180.0'$
$L = 126.0'$	$L = 126.0'$	$L = 126.0'$
$T = 63.0'$	$T = 63.0'$	$T = 63.0'$
$R = 2500.0'$	$R = 6700.0'$	$R = 6500.0'$



FOR -L- PLAN SEE SHEET 19  
 FOR -LREY- PLAN SEE SHEET 19  
 FOR -NCRD- PLAN SEE SHEET 19  
 FOR -SRCD- PLAN SEE SHEET 19  
 FOR -YISRPA- PLAN SEE SHEET 19  
 FOR -YISRPD- PLAN SEE SHEET 19  
 FOR -Y25A- PLAN SEE SHEET 19  
 FOR -SR11- PLAN SEE SHEET 19  
 FOR -SR18- PLAN SEE SHEET 19  
 FOR BRIDGE SKETCH SEE SHEET 28-1  
 FOR TMP SEE SHEET TMP-5F AND TMP-5G