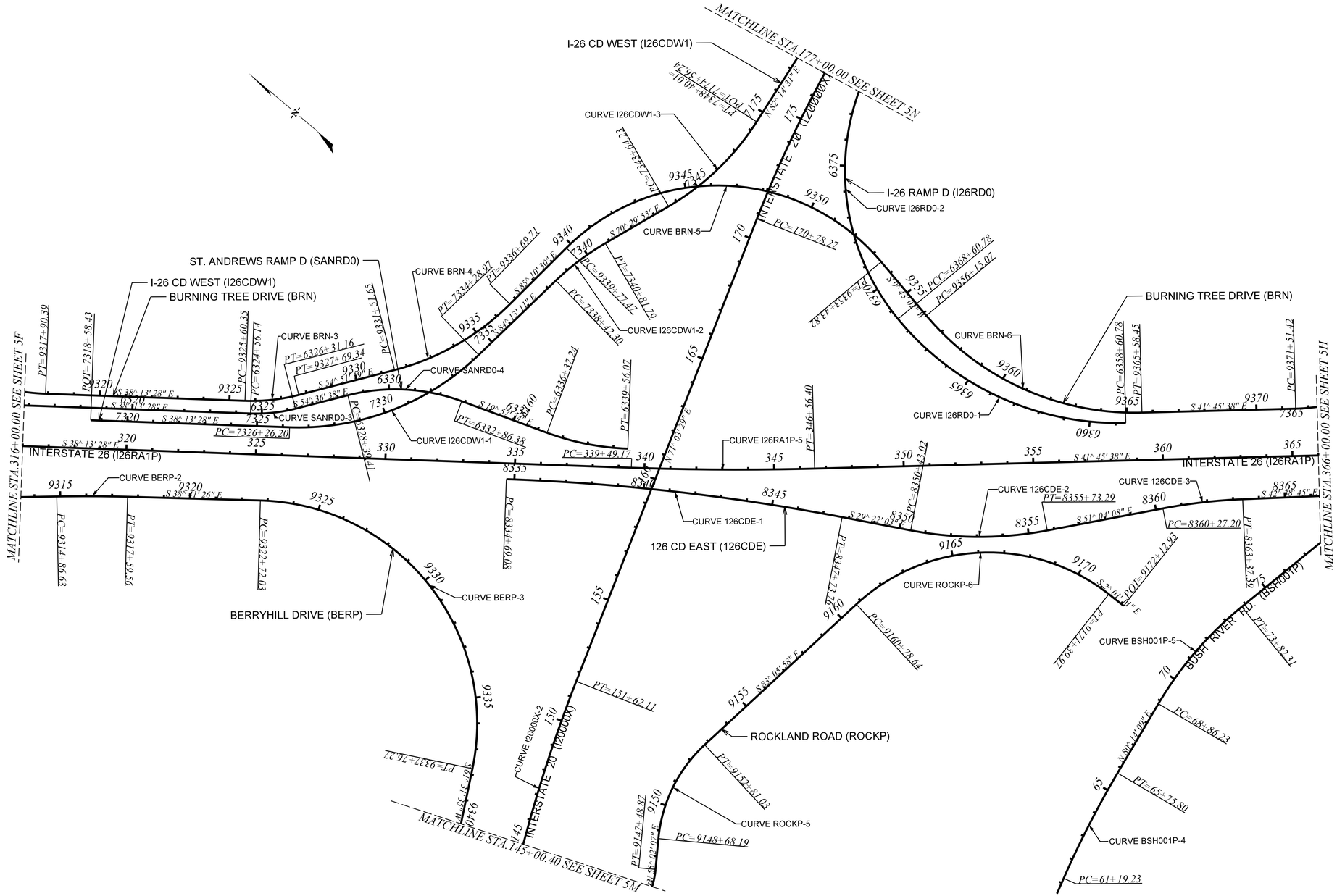
FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROAD/ROUTE NO.	SHEET NO.
3	S.C.	LEXINGTON/RICHLAND	P027662	I-26/I-20/I-126	5G



TRACT(S)	ISSUED FOR	DATE	TRACT(S)	ISSUED FOR	DATE
N/A	SHEET RELEASED	11-01-2019			

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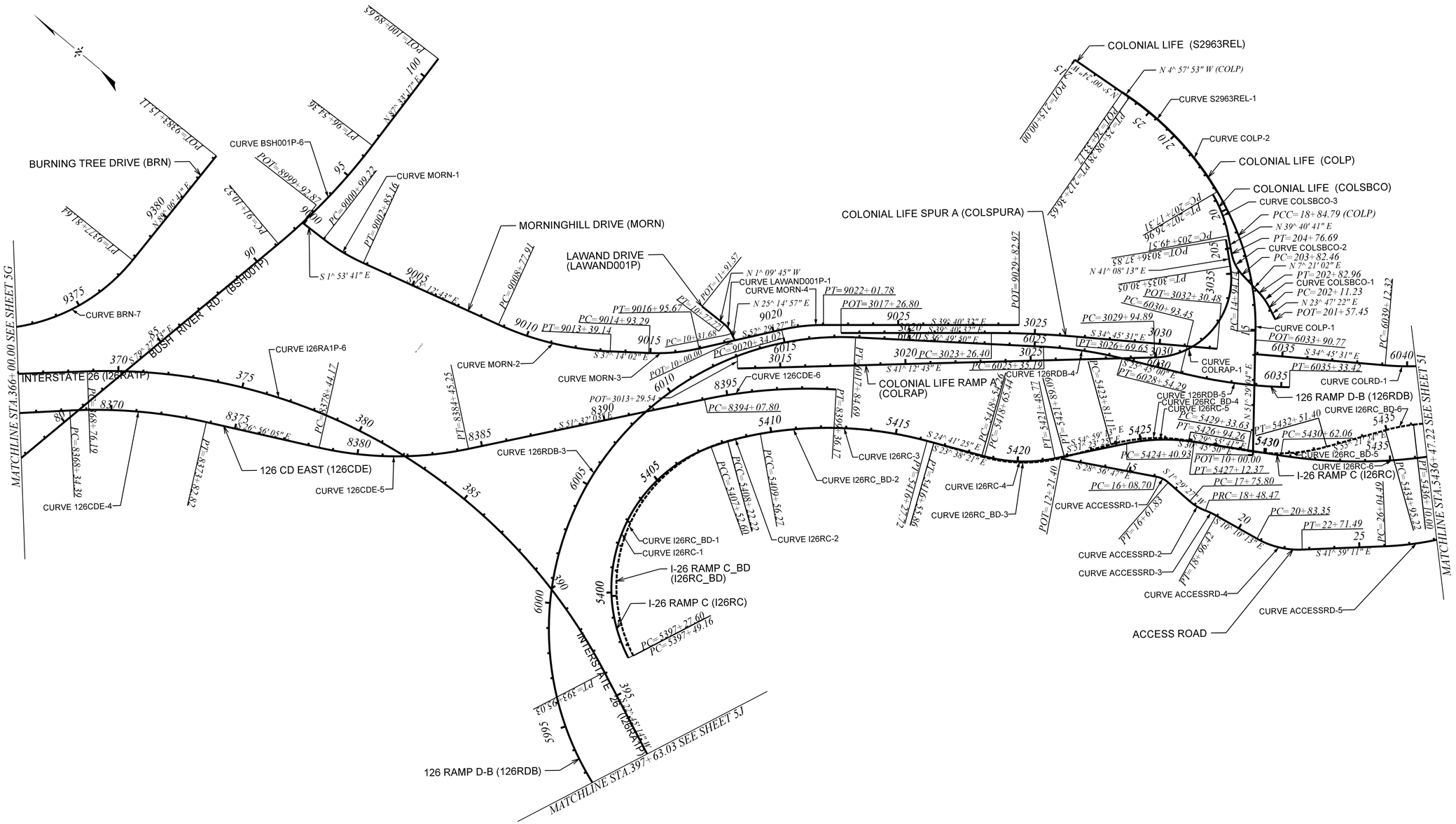
CAROLINA CROSSROADS

REFERENCE DATA SHEET PROPOSED ALIGNMENTS

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROAD/ROUTE NO.	SHEET NO.
3	S.C.	LEXINGTON/RICHLAND	P027662	I-26/I-20/I-126	5H



TRACT(S)	ISSUED FOR	DATE
N/A	SHEET RELEASED	09-30-2019
N/A	COLONIAL LIFE RAMP D REVISED	11-01-2019
N/A	ACCESS ROAD ALIGNMENT ADDED	03-01-2021
N/A	COLRAP, COLSBCO, AND S-2963REL ALIGNMENTS ADDED	08-27-2021
N/A	I26RC_BD ALIGNMENT ADDED	01-04-2022

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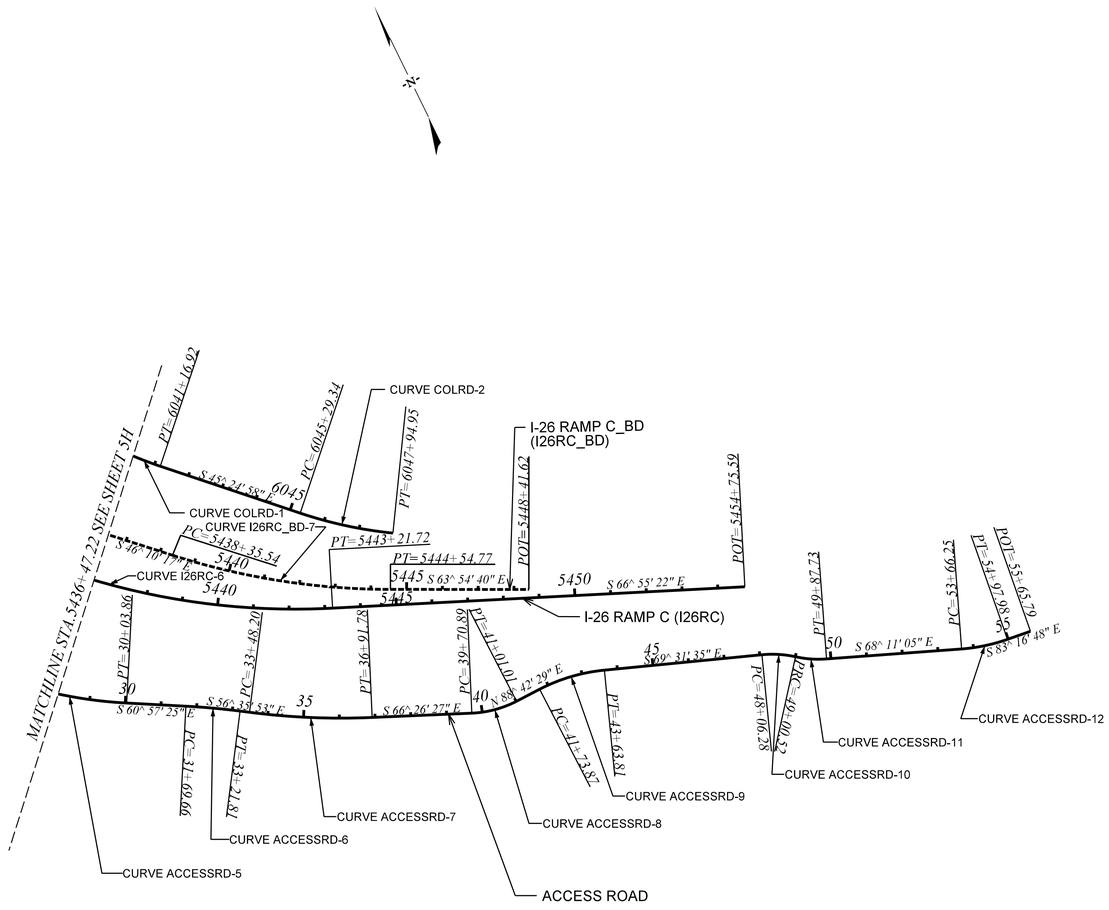
3	S.C.	LEXINGTON/RICHLAND	P027662	I-26/I-20/I-126	51



TRACT(S)	ISSUED FOR	DATE	TRACT(S)	ISSUED FOR	DATE
N/A	SHEET RELEASED	03-01-2021			
N/A	I26RC_BD ALIGNMENT ADDED	01-04-2022			

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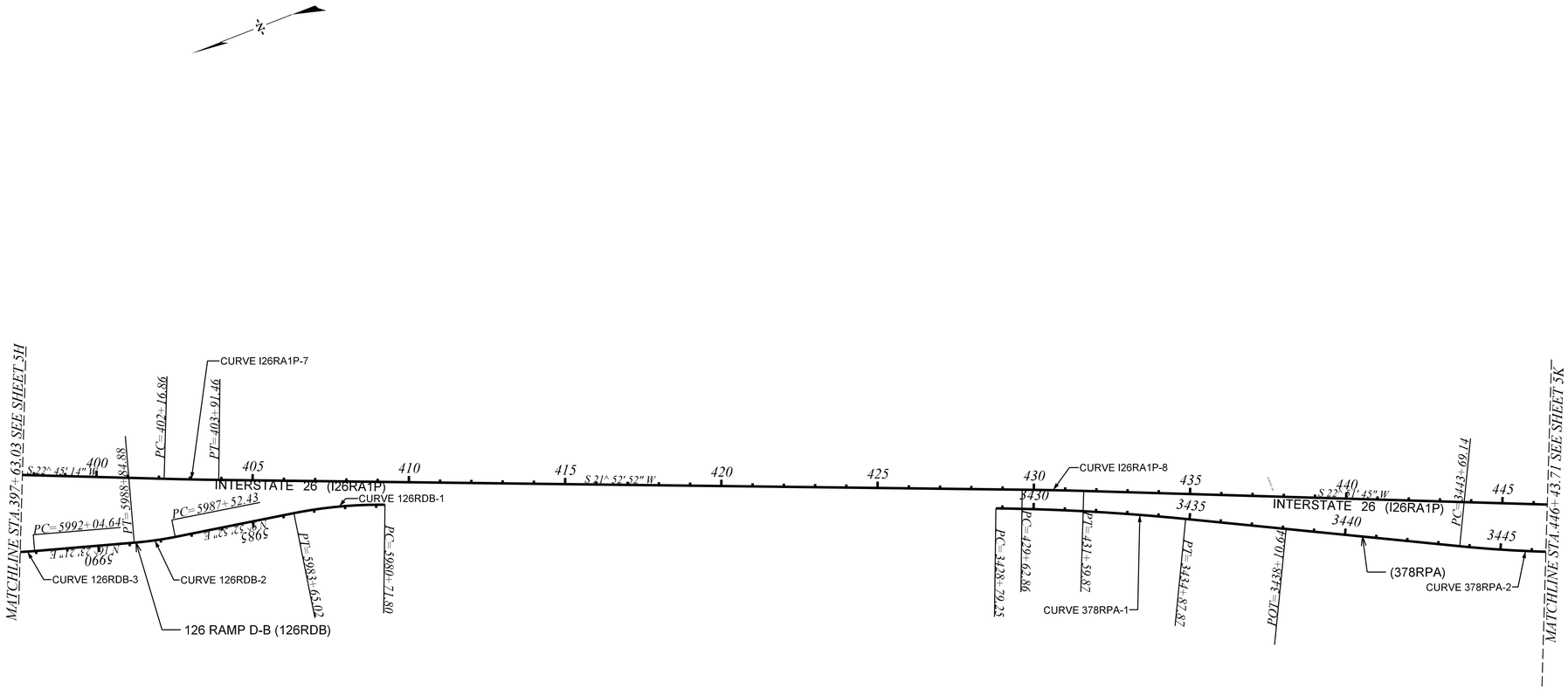
3	S.C.	LEXINGTON/RICHLAND	P027662	I-26/I-20/I-126	5J



TRACT(S)	ISSUED FOR	DATE
N/A	SHEET RELEASED	09-30-2019

TRACT(S)	ISSUED FOR	DATE

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REFERENCE DATA SHEET
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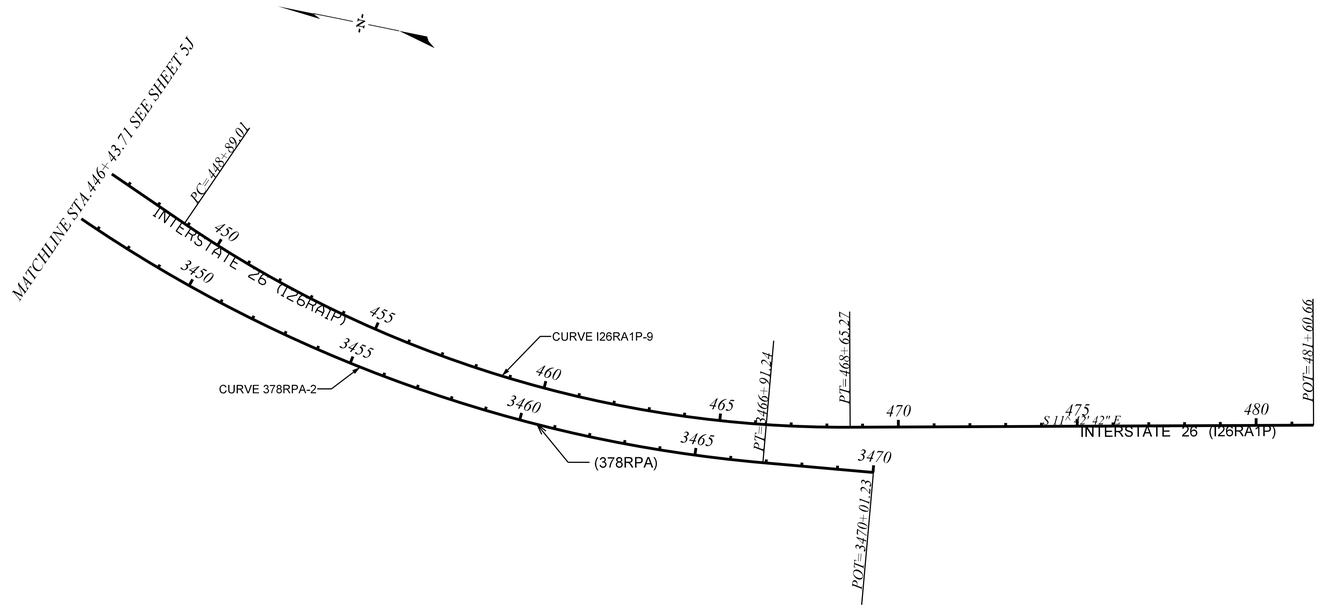
3	S.C.	LEXINGTON/RICHLAND	P027662	I-26/I-20/I-126	5K



TRACT(S)	ISSUED FOR	DATE
N/A	SHEET RELEASED	11-01-2019

TRACT(S)	ISSUED FOR	DATE

PLANS PREPARED BY

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South Carolina Department of Transportation

0 100 200 400

CAROLINA CROSSROADS

REFERENCE DATA SHEET
PROPOSED ALIGNMENTS

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3	S.C.	LEXINGTON/RICHLAND	P027662	I-26/I-20/I-126	5P

I-26 (I26RA1P)

Beginning chain I26RA1P description

==========

Point PI26001 N 827,563.3952 E 1,944,332.8776 Sta 0+00.00

Course from PI26001 to PC I26RA1P-1 S 40° 33' 48.59" E Dist 3,055.6752

Curve Data

Curve I26RA1P-1
P.I. Station 32+46.44 N 825,097.1196 E 1,946,444.0075
Delta = 1° 54' 26.97" (LT)
Degree = 0° 30' 00.00"
Tangent = 190.7668
Length = 381.4983
Radius = 11,459.1560
External = 1.5878
Long Chord = 381.4807
Mid. Ord. = 1.5876
P.C. Station 30+55.68 N 825,242.0423 E 1,946,319.9537
P.T. Station 34+37.17 N 824,956.4063 E 1,946,572.8164
C.C. N 832,693.8211 E 1,955,025.3112
Back = S 40° 33' 48.59" E
Ahead = S 42° 28' 15.56" E
Chord Bear = S 41° 31' 02.08" E

Course from PT I26RA1P-1 to PC I26RA1P-2 S 42° 28' 15.56" E Dist 5,262.6226

Curve Data

Curve I26RA1P-2
P.I. Station 89+91.78 N 820,859.2189 E 1,950,323.3823
Delta = 2° 55' 09.26" (RT)
Degree = 0° 30' 00.00"
Tangent = 291.9872
Length = 583.8480
Radius = 11,459.1560
External = 3.7194
Long Chord = 583.7849
Mid. Ord. = 3.7182
P.C. Station 86+99.80 N 821,074.5943 E 1,950,126.2277
P.T. Station 92+83.64 N 820,634.0822 E 1,950,509.3124
C.C. N 813,337.1794 E 1,941,673.7329
Back = S 42° 28' 15.56" E
Ahead = S 39° 33' 06.30" E
Chord Bear = S 41° 00' 40.93" E

Course from PT I26RA1P-2 to PC I26RA1P-3 S 39° 33' 06.30" E Dist 11,436.8212

Curve Data

Curve I26RA1P-3
P.I. Station 209+78.53 N 811,616.7442 E 1,957,956.3213
Delta = 2° 34' 48.71" (LT)
Degree = 0° 30' 00.00"
Tangent = 258.0635
Length = 516.0397
Radius = 11,459.1560
External = 2.9055
Long Chord = 515.9961
Mid. Ord. = 2.9047
P.C. Station 207+20.47 N 811,815.7240 E 1,957,791.9930
P.T. Station 212+36.50 N 811,425.3638 E 1,958,129.4407
C.C. N 819,112.6268 E 1,966,627.5725
Back = S 39° 33' 06.30" E
Ahead = S 42° 07' 55.01" E
Chord Bear = S 40° 50' 30.66" E

Course from PT I26RA1P-3 to PC I26RA1P-4 S 42° 07' 55.01" E Dist 7,755.5125

Curve Data

Curve I26RA1P-4
P.I. Station 293+82.92 N 805,383.9653 E 1,963,594.3852
Delta = 3° 54' 27.12" (RT)
Degree = 0° 30' 00.00"
Tangent = 390.9048
Length = 781.5065
Radius = 11,459.1560
External = 6.6655
Long Chord = 781.3551
Mid. Ord. = 6.6616
P.C. Station 289+92.02 N 805,673.8611 E 1,963,332.1505
P.T. Station 297+73.52 N 805,076.8732 E 1,963,836.2549
C.C. N 797,986.5981 E 1,954,834.0187
Back = S 42° 07' 55.01" E
Ahead = S 38° 13' 27.90" E
Chord Bear = S 40° 10' 41.45" E

Course from PT I26RA1P-4 to PC I26RA1P-5 S 38° 13' 27.90" E Dist 4,175.6460

Curve Data

Curve I26RA1P-5
P.I. Station 343+02.90 N 801,518.6293 E 1,966,638.7727
Delta = 3° 32' 10.07" (LT)
Degree = 0° 30' 00.00"
Tangent = 353.7254
Length = 707.2262
Radius = 11,459.1560
External = 5.4582
Long Chord = 707.1140
Mid. Ord. = 5.4556
P.C. Station 339+49.17 N 801,796.5136 E 1,966,419.9075
P.T. Station 346+56.40 N 801,254.7733 E 1,966,874.3605
C.C. N 808,886.7887 E 1,975,422.1437
Back = S 38° 13' 27.90" E
Ahead = S 41° 45' 37.97" E
Chord Bear = S 39° 59' 32.93" E

Course from PT I26RA1P-5 to PC I26RA1P-6 S 41° 45' 37.97" E Dist 2,219.7895

Curve Data

Curve I26RA1P-6
P.I. Station 382+88.02 N 798,545.8155 E 1,969,293.0938
Delta = 64° 30' 52.33" (RT)
Degree = 2° 33' 40.60"
Tangent = 1,411.8387
Length = 2,518.8420
Radius = 2,237.0000
External = 408.2708
Long Chord = 2,387.8713
Mid. Ord. = 345.2583
P.C. Station 368+76.19 N 799,598.9550 E 1,968,352.7824
P.T. Station 393+95.03 N 797,243.8545 E 1,968,747.0296
C.C. N 798,109.0706 E 1,966,684.1263
Back = S 41° 45' 37.97" E
Ahead = S 22° 45' 14.36" W
Chord Bear = S 9° 30' 11.80" E

Course from PT I26RA1P-6 to PC I26RA1P-7 S 22° 45' 14.36" W Dist 821.8368

Curve Data

Curve I26RA1P-7
P.I. Station 403+04.17 N 796,405.4708 E 1,968,395.3975
Delta = 0° 52' 22.79" (LT)
Degree = 0° 30' 00.00"
Tangent = 87.3015
Length = 174.5996
Radius = 11,459.1560
External = 0.3325
Long Chord = 174.5979
Mid. Ord. = 0.3325
P.C. Station 402+16.86 N 796,485.9780 E 1,968,429.1636
P.T. Station 403+91.46 N 796,324.4585 E 1,968,362.8620
C.C. N 792,053.8609 E 1,978,996.4998
Back = S 22° 45' 14.36" W
Ahead = S 21° 52' 51.57" W
Chord Bear = S 22° 19' 02.97" W

Course from PT I26RA1P-7 to PC I26RA1P-8 S 21° 52' 51.57" W Dist 2,571.3945

Curve Data

Curve I26RA1P-8
P.I. Station 430+61.37 N 793,846.8935 E 1,967,367.8419
Delta = 0° 58' 53.70" (RT)
Degree = 0° 29' 53.61"
Tangent = 98.5106
Length = 197.0163
Radius = 11,500.0000
External = 0.4219
Long Chord = 197.0139
Mid. Ord. = 0.4219
P.C. Station 429+62.86 N 793,938.3074 E 1,967,404.5548
P.T. Station 431+59.87 N 793,756.1220 E 1,967,329.5684
C.C. N 798,224.1268 E 1,956,733.0155
Back = S 21° 52' 51.57" W
Ahead = S 22° 51' 45.27" W
Chord Bear = S 22° 22' 18.42" W

Course from PT I26RA1P-8 to PC I26RA1P-9 S 22° 51' 45.27" W Dist 1,729.1399

Curve Data

Curve I26RA1P-9
P.I. Station 459+08.26 N 791,223.6531 E 1,966,261.7605
Delta = 34° 34' 27.55" (LT)
Degree = 1° 44' 58.16"
Tangent = 1,019.2438
Length = 1,976.2519
Radius = 3,275.0000
External = 154.9392
Long Chord = 1,946.4038
Mid. Ord. = 147.9402
P.C. Station 448+89.01 N 792,162.8245 E 1,966,657.7592
P.T. Station 468+65.27 N 790,225.6287 E 1,966,468.6547
C.C. N 790,890.4144 E 1,969,675.4732
Back = S 22° 51' 45.27" W
Ahead = S 11° 42' 42.28" E
Chord Bear = S 5° 34' 31.49" W

Course from PT I26RA1P-9 to PI26002 S 11° 42' 42.28" E Dist 1,295.3977

Point PI26002 N 788,957.1996 E 1,966,731.6049 Sta 481+60.66

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Ending chain I26RA1P description

I-20 (I20000X)

Beginning chain I20000X description

==========

Point I20000 N 792,437.0331 E 1,954,910.0074 Sta 10+16.30

Course from I20000 to PC I20000X-1 N 63° 59' 47.47" E Dist 1,267.8000

Curve Data

Curve I20000X-1
P.I. Station 32+66.93 N 793,423.7641 E 1,956,932.7939
Delta = 19° 28' 01.20" (LT)
Degree = 1° 00' 00.00"
Tangent = 982.8229
Length = 1,946.7000
Radius = 5,729.5780
External = 83.6831
Long Chord = 1,937.3500
Mid. Ord. = 82.4785
P.C. Station 22+84.10 N 792,992.8692 E 1,956,049.4647
P.T. Station 42+30.80 N 794,124.4080 E 1,957,622.0247
C.C. N 798,142.4272 E 1,953,537.4702
Back = N 63° 59' 47.47" E
Ahead = N 44° 31' 46.27" E
Chord Bear = N 54° 15' 46.87" E

Course from PT I20000X-1 to PC I20000X-2 N 44° 31' 46.27" E Dist 8,269.4621

Curve Data

Curve I20000X-2
P.I. Station 138+55.49 N 800,985.7400 E 1,964,371.5892
Delta = 26° 31' 42.64" (RT)
Degree = 0° 59' 47.84"
Tangent = 1,355.2196
Length = 2,661.8438
Radius = 5,749.0000
External = 157.5744
Long Chord = 2,638.1307
Mid. Ord. = 153.3707
P.C. Station 125+00.27 N 800,019.6185 E 1,963,421.2053
P.T. Station 151+62.11 N 801,425.6583 E 1,965,653.4208
C.C. N 795,987.9790 E 1,967,519.6055
Back = N 44° 31' 46.27" E
Ahead = N 71° 03' 28.91" E
Chord Bear = N 57° 47' 37.59" E

Course from PT I20000X-2 to PC I20000X-3 N 71° 03' 28.91" E Dist 1,916.1591

Curve Data

Curve I20000X-3
P.I. Station 179+16.40 N 802,319.7302 E 1,968,258.5628
Delta = 19° 22' 11.42" (RT)
Degree = 1° 10' 00.00"
Tangent = 838.1338
Length = 1,660.2721
Radius = 4,911.0672
External = 71.0056
Long Chord = 1,652.3771
Mid. Ord. = 69.9936
P.C. Station 170+78.27 N 802,047.6633 E 1,967,465.8157
P.T. Station 187+38.54 N 802,313.4713 E 1,969,096.6732
C.C. N 797,402.5410 E 1,969,059.9989
Back = N 71° 03' 28.91" E
Ahead = S 89° 34' 19.66" E
Chord Bear = N 80° 44' 34.63" E

Course from PT I20000X-3 to PC I20000X-4 S 89° 34' 19.66" E Dist 895.7197

Curve Data

Curve I20000X-4
P.I. Station 205+53.72 N 802,299.9161 E 1,970,911.7987
Delta = 27° 04' 07.39" (LT)
Degree = 1° 30' 00.00"
Tangent = 919.4564
Length = 1,804.5814
Radius = 3,819.7187
External = 109.1044
Long Chord = 1,787.8457
Mid. Ord. = 106.0745
P.C. Station 196+34.26 N 802,306.7823 E 1,969,992.3679
P.T. Station 214+38.84 N 802,712.1971 E 1,971,733.6408
C.C. N 806,126.3945 E 1,970,020.8924
Back = S 89° 34' 19.66" E
Ahead = N 63° 21' 32.94" E
Chord Bear = N 76° 53' 36.64" E

Course from PT I20000X-4 to I20001 N 63° 21' 32.94" E Dist 6,090.3943

Point I20001 N 805,443.1083 E 1,977,177.4470 Sta 275+29.24

==========

Ending chain I20000X description

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CAROLINA CROSSROADS

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3	S.C.	LEXINGTON/RICHLAND	P027662	I-26/I-20/I-126	5V

BURNING TREE DRIVE (BRN)

Beginning chain BRN description
==========
Point BRN001 N 804,824.4201 E 1,964,853.9435 Sta 9306+02.22
Course from BRN001 to PC BRN-1 S 35° 56' 17.31" E Dist 13.0847
Curve Data

Curve BRN-1
P.I. Station 9308+25.99 N 804,643.2425 E 1,964,985.2781
Delta = 32° 37' 16.53" (RT)
Degree = 7° 57' 27.89"
Tangent = 210.6877
Length = 409.9308
Radius = 720.0000
External = 30.1929
Long Chord = 404.4165
Mid. Ord. = 28.9777
P.C. Station 9306+15.30 N 804,813.8261 E 1,964,861.6230
P.T. Station 9310+25.24 N 804,432.9077 E 1,964,997.4681
C.C. N 804,391.2498 E 1,964,278.6742
Back = S 35° 56' 17.31" E
Ahead = S 3° 19' 00.78" E
Chord Bear = S 19° 37' 39.04" E
Course from PT BRN-1 to PC BRN-2 S 3° 19' 00.78" E Dist 299.0819
Curve Data

Curve BRN-2
P.I. Station 9315+64.84 N 803,894.2047 E 1,965,028.6888
Delta = 34° 54' 27.12" (LT)
Degree = 7° 29' 22.72"
Tangent = 240.5251
Length = 466.0773
Radius = 765.0000
External = 36.9210
Long Chord = 458.9023
Mid. Ord. = 35.2211
P.C. Station 9313+24.32 N 804,134.3268 E 1,965,014.7724
P.T. Station 9317+90.39 N 803,705.2498 E 1,965,177.5120
C.C. N 804,178.5883 E 1,965,778.4909
Back = S 3° 19' 00.78" E
Ahead = S 38° 13' 27.90" E
Chord Bear = S 20° 46' 14.34" E
Course from PT BRN-2 to PC BRN-3 S 38° 13' 27.90" E Dist 769.9534
Curve Data

Curve BRN-3
P.I. Station 9326+65.58 N 803,017.7073 E 1,965,719.0292
Delta = 16° 37' 51.52" (LT)
Degree = 7° 57' 27.89"
Tangent = 105.2354
Length = 208.9910
Radius = 720.0000
External = 7.6500
Long Chord = 208.2581
Mid. Ord. = 7.5696
P.C. Station 9325+60.35 N 803,100.3795 E 1,965,653.9155
P.T. Station 9327+69.34 N 802,957.1294 E 1,965,805.0804
C.C. N 803,545.8747 E 1,966,219.5427
Back = S 38° 13' 27.90" E
Ahead = S 54° 51' 19.41" E
Chord Bear = S 46° 32' 23.65" E
Course from PT BRN-3 to PC BRN-4 S 54° 51' 19.41" E Dist 382.3098
Curve Data

Curve BRN-4
P.I. Station 9334+16.90 N 802,584.3660 E 1,966,334.5922
Delta = 30° 19' 10.65" (LT)
Degree = 5° 51' 08.93"
Tangent = 265.2512
Length = 518.0645
Radius = 979.0000
External = 35.2974
Long Chord = 512.0410
Mid. Ord. = 34.0690
P.C. Station 9331+51.65 N 802,737.0558 E 1,966,117.6958
P.T. Station 9336+69.71 N 802,562.0551 E 1,966,598.9034
C.C. N 803,537.5858 E 1,966,681.2494
Back = S 54° 51' 19.41" E
Ahead = S 85° 10' 30.06" E
Chord Bear = S 70° 00' 54.73" E
Course from PT BRN-4 to PC BRN-5 S 85° 10' 30.06" E Dist 307.7551
Curve Data

Curve BRN-5
P.I. Station 9348+76.10 N 802,460.5833 E 1,967,801.0128
Delta = 94° 53' 31.61" (RT)
Degree = 6° 56' 41.79"
Tangent = 898.6295
Length = 1,366.3484
Radius = 825.0000
External = 394.9016
Long Chord = 1,215.4576
Mid. Ord. = 267.0657
P.C. Station 9339+77.47 N 802,536.1691 E 1,966,905.5678
P.T. Station 9353+43.82 N 801,574.8463 E 1,967,649.3390
C.C. N 801,714.0927 E 1,966,836.1751
Back = S 85° 10' 30.06" E
Ahead = S 9° 43' 01.55" W
Chord Bear = S 37° 43' 44.25" E
Course from PT BRN-5 to PC BRN-6 S 9° 43' 01.55" W Dist 271.2532
Curve Data

Curve BRN-6
P.I. Station 9361+21.28 N 800,808.5398 E 1,967,518.1164
Delta = 51° 28' 39.52" (LT)
Degree = 5° 27' 24.27"
Tangent = 506.2074
Length = 943.3771
Radius = 1,050.0000
External = 115.6526
Long Chord = 911.9660
Mid. Ord. = 104.1779
P.C. Station 9356+15.07 N 801,307.4847 E 1,967,603.5559
P.T. Station 9365+58.45 N 800,430.9421 E 1,967,855.2602
C.C. N 801,130.2620 E 1,968,638.4917
Back = S 9° 43' 01.55" W
Ahead = S 41° 45' 37.97" E
Chord Bear = S 16° 01' 18.21" E
Course from PT BRN-6 to PC BRN-7 S 41° 45' 37.97" E Dist 592.9719
Curve Data

Curve BRN-7
P.I. Station 9374+87.37 N 799,738.0266 E 1,968,473.9401
Delta = 49° 07' 40.64" (LT)
Degree = 7° 47' 43.24"
Tangent = 335.9505
Length = 630.2218
Radius = 735.0000
External = 73.1384
Long Chord = 611.0923
Mid. Ord. = 66.5192
P.C. Station 9371+51.42 N 799,988.6237 E 1,968,250.1907
P.T. Station 9377+81.64 N 799,743.2360 E 1,968,809.8502
C.C. N 800,478.1476 E 1,968,798.4528
Back = S 41° 45' 37.97" E
Ahead = N 89° 06' 41.40" E
Chord Bear = S 66° 19' 28.29" E
Course from PT BRN-7 to BRN002 N 89° 06' 41.40" E Dist 533.4675
Point BRN002 N 799,751,5083 E 1,969,343.2536 Sta 9383+15.11
==========
Ending chain BRN description

BERRYHILL DRIVE (BERP)

Beginning chain BERP description
==========
Point BERP001000 N 804,268.16 E 1,963,782.42 Sta 9300+00.00
Course from BERP001000 to PC BERP-1 N 80° 11' 40.91" E Dist 47.37
Curve Data

Curve BERP-1
P.I. Station 9303+27.34 N 804,323.91 E 1,964,104.98
Delta = 58° 29' 33.96" (RT)
Degree = 11° 27' 32.96"
Tangent = 279.97
Length = 510.45
Radius = 500.00
External = 73.05
Long Chord = 488.57
Mid. Ord. = 63.74
P.C. Station 9300+47.37 N 804,276.23 E 1,963,829.10
P.T. Station 9305+57.82 N 804,113.62 E 1,964,289.81
C.C. N 803,783.53 E 1,963,914.25
Back = N 80° 11' 40.91" E
Ahead = S 41° 18' 45.13" E
Chord Bear = S 70° 33' 32.11" E
Course from PT BERP-1 to PC BERP-2 S 41° 18' 45.13" E Dist 928.82
Curve Data

Curve BERP-2
P.I. Station 9316+23.12 N 803,313.44 E 1,964,993.09
Delta = 2° 37' 19.25" (RT)
Degree = 0° 57' 38.50"
Tangent = 136.49
Length = 272.93
Radius = 5,964.00
External = 1.56
Long Chord = 272.91
Mid. Ord. = 1.56
P.C. Station 9314+86.63 N 803,415.96 E 1,964,902.99
P.T. Station 9317+59.56 N 803,206.91 E 1,965,078.41
C.C. N 799,478.73 E 1,960,423.31
Back = S 41° 18' 45.13" E
Ahead = S 38° 41' 25.88" E
Chord Bear = S 40° 00' 05.50" E
Course from PT BERP-2 to PC BERP-3 S 38° 41' 25.88" E Dist 512.46
Curve Data

Curve BERP-3
P.I. Station 9332+94.79 N 802,008.6151 E 1,966,038.1010
Delta = 99° 52' 54.00" (RT)
Degree = 6° 39' 44.28"
Tangent = 1,022.7613
Length = 1,499.2070
Radius = 860.0000
External = 476.2787
Long Chord = 1,316.4540
Mid. Ord. = 306.5226
P.C. Station 9322+72.03 N 802,806.9149 E 1,965,398.7590
P.T. Station 9337+71.23 N 801,515.7576 E 1,965,141.9246
C.C. N 802,269.3173 E 1,964,727.4999
Back = S 38° 41' 25.88" E
Ahead = S 61° 11' 28.12" W
Chord Bear = S 11° 15' 01.12" W
Course from PT BERP-3 to PC BERP-4 S 61° 11' 28.11" W Dist 697.9018
Curve Data

Curve BERP-4
P.I. Station 9348+15.49 N 801,012.5402 E 1,964,226.9107
Delta = 9° 52' 23.43" (LT)
Degree = 1° 25' 43.76"
Tangent = 346.3579
Length = 691.0008
Radius = 4,010.0000
External = 14.9303
Long Chord = 690.1462
Mid. Ord. = 14.8749
P.C. Station 9344+69.13 N 801,179.4463 E 1,964,530.4006
P.T. Station 9351+60.13 N 800,796.0672 E 1,963,956.5345
C.C. N 797,665.7552 E 1,966,462.7760
Back = S 61° 11' 28.11" W
Ahead = S 51° 19' 04.68" W
Chord Bear = S 56° 15' 16.40" W
Course from PT BERP-4 to PC BERP-5 S 51° 19' 04.68" W Dist 749.6283
Curve Data

Curve BERP-5
P.I. Station 9359+89.81 N 800,277.5195 E 1,963,308.8650
Delta = 10° 09' 56.33" (RT)
Degree = 6° 21' 58.31"
Tangent = 80.0509
Length = 159.6816
Radius = 900.0000
External = 3.5531
Long Chord = 159.4723
Mid. Ord. = 3.5391
P.C. Station 9359+09.76 N 800,327.5511 E 1,963,371.3548
P.T. Station 9360+69.44 N 800,239.3023 E 1,963,238.5258
C.C. N 801,030.1149 E 1,962,808.8567
Back = S 51° 19' 04.68" W
Ahead = S 61° 29' 01.02" W
Chord Bear = S 56° 24' 02.85" W
==========
Ending chain BERP description

I-26 CD WEST (I26CDW1)

Beginning chain I26CDW1 description
==========
Point CDWI26023 N 803,506.43 E 1,965,211.91 Sta 7318+58.43

Course from CDWI26023 to PC I26CDW1-1 S 38° 13' 27.90" E Dist 767.77
Curve Data

Curve I26CDW1-1
P.I. Station 7330+50.63 N 802,569.85 E 1,965,949.57
Delta = 45° 59' 43.37" (LT)
Degree = 5° 43' 46.48"
Tangent = 424.43
Length = 802.77
Radius = 1,000.00
External = 86.34
Long Chord = 781.39
Mid. Ord. = 79.48
P.C. Station 7326+26.20 N 802,903.27 E 1,965,686.96
P.T. Station 7334+28.97 N 802,527.10 E 1,966,371.84
C.C. N 803,522.02 E 1,966,472.55
Back = S 38° 13' 27.90" E
Ahead = S 84° 13' 11.26" E
Chord Bear = S 61° 13' 19.58" E
Course from PT I26CDW1-1 to PC I26CDW1-2 S 84° 13' 11.26" E Dist 413.33
Curve Data

Curve I26CDW1-2
P.I. Station 7339+62.62 N 802,473.36 E 1,966,902.78
Delta = 13° 49' 18.29" (RT)
Degree = 5° 43' 46.48"
Tangent = 120.32
Length = 239.49
Radius = 1,000.00
External = 7.21
Long Chord = 238.92
Mid. Ord. = 7.16
P.C. Station 7338+42.30 N 802,485.47 E 1,966,783.07
P.T. Station 7340+81.79 N 802,433.19 E 1,967,016.20
C.C. N 801,490.56 E 1,966,682.36
Back = S 84° 13' 11.26" E
Ahead = S 70° 29' 52.97" E
Chord Bear = S 77° 21' 32.12" E
Course from PT I26CDW1-2 to PC I26CDW1-3 S 70° 29' 52.97" E Dist 282.44
Curve Data

Curve I26CDW1-3
P.I. Station 7346+06.71 N 802,257.95 E 1,967,511.00
Delta = 27° 15' 36.10" (LT)
Degree = 5° 43' 46.48"
Tangent = 242.48
Length = 475.78
Radius = 1,000.00
External = 28.98
Long Chord = 471.30
Mid. Ord. = 28.16
P.C. Station 7343+64.23 N 802,338.90 E 1,967,282.43
P.T. Station 7348+40.01 N 802,290.68 E 1,967,751.26
C.C. N 803,281.53 E 1,967,616.27
Back = S 70° 29' 52.97" E
Ahead = N 82° 14' 30.92" E
Chord Bear = S 84° 07' 41.02" E
==========
Ending chain I26CDW1 description

I-26 RAMP D (I26RD0)

Beginning chain I26RD0 description
==========
Curve Data

Curve I26RD0-1
P.I. Station 6363+98.33 N 800,853.92 E 1,967,426.65
Delta = 52° 05' 13.46" (RT)
Degree = 5° 12' 31.35"
Tangent = 537.54
Length = 1,000.00
Radius = 1,100.00
External = 124.32
Long Chord = 965.92
Mid. Ord. = 111.69
P.C. Station 6358+60.78 N 800,452.95 E 1,967,784.67
P.T. Station 6368+60.78 N 801,382.76 E 1,967,523.01
C.C. N 801,185.57 E 1,968,605.19
Back = N 41° 45' 37.97" W
Ahead = N 10° 19' 35.49" E
Chord Bear = N 15° 43' 01.24" W
Curve Data

Curve I26RD0-2
P.I. Station 6374+90.87 N 802,002.63 E 1,967,635.96
Delta = 69° 59' 27.96" (RT)
Degree = 6° 21' 58.31"
Tangent = 630.08
Length = 1,099.42
Radius = 900.00
External = 198.64
Long Chord = 1,032.32
Mid. Ord. = 162.72
P.C. Station 6368+60.78 N 801,382.76 E 1,967,523.01
P.T. Station 6379+60.20 N 802,108.60 E 1,968,257.07
C.C. N 801,221.42 E 1,968,408.43
Back = N 10° 19' 35.49" E
Ahead = N 80° 19' 03.46" E
Chord Bear = N 45° 19' 19.47" E
==========
Ending chain I26RD0 description

TRACT(S)	ISSUED FOR	DATE
N/A	SHEET RELEASED	09-30-2019
N/A	REVISED BERP	12-07-2020

TRACT(S)	ISSUED FOR	DATE

PLANS PREPARED BY

HDR STV

PLANS PREPARED FOR

SCDOT
South Carolina Department of Transportation

0 100 200 400

CAROLINA CROSSROADS

REFERENCE DATA SHEET
PROPOSED ALIGNMENTS

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROAD/ROUTE NO.	SHEET NO.
3	S.C.	LEXINGTON/RICHLAND	P027662	I-26/I-20/I-126	5W

126 CD EAST (126CDE)

Beginning chain 126CDE description

Curve Data

Curve 126CDE-1
P.I. Station 8341+22.72 N 801,622.43 E 1,966,479.37
Delta = 8° 51' 25.05" (RT)
Degree = 0° 40' 43.90"
Tangent = 653.64
Length = 1,304.68
Radius = 8,440.00
External = 25.27
Long Chord = 1,303.38
Mid. Ord. = 25.20
P.C. Station 8334+69.08 N 802,135.93 E 1,966,074.93
P.T. Station 8347+73.76 N 801,052.78 E 1,966,799.92
C.C. N 796,913.73 E 1,959,444.53
Back = S 38° 13' 27.90" E
Ahead = S 29° 22' 02.85" E
Chord Bear = S 33° 47' 45.37" E
Course from PT 126CDE-1 to PC 126CDE-2 S 29° 22' 02.85" E Dist 269.26

Curve Data

Curve 126CDE-2
P.I. Station 8353+11.38 N 800,584.26 E 1,967,063.57
Delta = 21° 42' 05.57" (LT)
Degree = 4° 05' 33.20"
Tangent = 268.35
Length = 530.27
Radius = 1,400.00
External = 25.49
Long Chord = 527.10
Mid. Ord. = 25.03
P.C. Station 8350+43.02 N 800,818.12 E 1,966,931.97
P.T. Station 8355+73.29 N 800,415.63 E 1,967,272.32
C.C. N 801,504.69 E 1,968,152.06
Back = S 29° 22' 02.85" E
Ahead = S 51° 04' 08.41" E
Chord Bear = S 40° 13' 05.63" E
Course from PT 126CDE-2 to PC 126CDE-3 S 51° 04' 08.41" E Dist 453.90

Curve Data

Curve 126CDE-3
P.I. Station 8361+82.57 N 800,032.77 E 1,967,746.28
Delta = 8° 25' 23.32" (RT)
Degree = 2° 42' 55.58"
Tangent = 155.38
Length = 310.19
Radius = 2,110.00
External = 5.71
Long Chord = 309.92
Mid. Ord. = 5.70
P.C. Station 8360+27.20 N 800,130.41 E 1,967,625.42
P.T. Station 8363+37.39 N 799,918.48 E 1,967,851.55
C.C. N 798,489.03 E 1,966,299.53
Back = S 51° 04' 08.41" E
Ahead = S 42° 38' 45.10" E
Chord Bear = S 46° 51' 26.75" E
Course from PT 126CDE-3 to PC 126CDE-4 S 42° 38' 45.10" E Dist 497.00

Curve Data

Curve 126CDE-4
P.I. Station 8371+10.33 N 799,349.94 E 1,968,375.19
Delta = 15° 42' 40.49" (RT)
Degree = 2° 51' 53.24"
Tangent = 275.94
Length = 548.43
Radius = 2,000.00
External = 18.95
Long Chord = 546.71
Mid. Ord. = 18.77
P.C. Station 8368+34.39 N 799,552.91 E 1,968,188.25
P.T. Station 8373+82.82 N 799,103.93 E 1,968,500.18
C.C. N 798,197.98 E 1,966,717.14
Back = S 42° 38' 45.10" E
Ahead = S 26° 56' 04.60" E
Chord Bear = S 34° 47' 24.85" E
Course from PT 126CDE-4 to PC 126CDE-5 S 26° 56' 04.60" E Dist 461.35

Curve Data

Curve 126CDE-5
P.I. Station 8381+49.41 N 798,420.49 E 1,968,847.43
Delta = 24° 35' 58.56" (LT)
Degree = 4° 05' 33.20"
Tangent = 305.24
Length = 601.08
Radius = 1,400.00
External = 32.89
Long Chord = 596.48
Mid. Ord. = 32.14
P.C. Station 8378+44.17 N 798,692.62 E 1,968,709.16
P.T. Station 8384+45.25 N 798,230.61 E 1,969,086.43
C.C. N 799,326.78 E 1,969,957.30
Back = S 26° 56' 04.60" E
Ahead = S 51° 32' 03.16" E
Chord Bear = S 39° 14' 03.88" E
Course from PT 126CDE-5 to PC 126CDE-6 S 51° 32' 03.16" E Dist 962.56

Curve Data

Curve 126CDE-6
P.I. Station 8396+73.53 N 797,466.56 E 1,970,048.15
Delta = 15° 08' 11.60" (RT)
Degree = 2° 51' 53.24"
Tangent = 265.73
Length = 528.37
Radius = 2,000.00
External = 17.58
Long Chord = 526.83
Mid. Ord. = 17.42
P.C. Station 8394+07.80 N 797,631.86 E 1,969,840.09
P.T. Station 8399+36.17 N 797,252.67 E 1,970,205.84
C.C. N 796,065.90 E 1,968,596.00
Back = S 51° 32' 03.16" E
Ahead = N 36° 23' 51.56" E
Chord Bear = S 43° 57' 57.36" E

Ending chain 126CDE description

BUSH RIVER RD. (BSH001P)

Beginning chain BSH001P description

Curve Data

Curve BSH001P-1
P.I. Station 19+17.57 N 800,264.62 E 1,962,341.23
Delta = 12° 15' 24.44" (LT)
Degree = 1° 59' 59.65"
Tangent = 307.61
Length = 612.87
Radius = 2,864.93
External = 16.47
Long Chord = 611.70
Mid. Ord. = 16.37
P.C. Station 16+09.96 N 800,456.42 E 1,962,100.74
P.T. Station 22+22.83 N 800,128.23 E 1,962,616.95
C.C. N 802,696.19 E 1,963,887.16
Back = S 51° 25' 28.26" E
Ahead = S 63° 40' 52.70" E
Chord Bear = S 57° 33' 10.48" E
Course from PT BSH001P-1 to PC BSH001P-2 S 63° 40' 52.70" E Dist 1,041.00

Curve Data

Curve BSH001P-2
P.I. Station 36+86.32 N 799,479.38 E 1,963,928.73
Delta = 8° 26' 03.56" (LT)
Degree = 0° 59' 59.95"
Tangent = 422.48
Length = 843.44
Radius = 5,729.65
External = 15.56
Long Chord = 842.68
Mid. Ord. = 15.51
P.C. Station 32+63.83 N 799,666.69 E 1,963,550.04
P.T. Station 41+07.27 N 799,349.63 E 1,964,330.80
C.C. N 804,802.42 E 1,966,090.36
Back = S 63° 40' 52.70" E
Ahead = S 72° 06' 56.25" E
Chord Bear = S 67° 53' 54.48" E
Course from PT BSH001P-2 to PC BSH001P-3 S 72° 06' 56.25" E Dist 141.43

Curve Data

Curve BSH001P-3
P.I. Station 48+41.74 N 799,124.08 E 1,965,029.78
Delta = 34° 29' 48.75" (LT)
Degree = 2° 59' 58.75"
Tangent = 593.04
Length = 1,150.03
Radius = 1,910.08
External = 89.95
Long Chord = 1,132.74
Mid. Ord. = 85.90
P.C. Station 42+48.70 N 799,306.20 E 1,964,465.40
P.T. Station 53+98.73 N 799,293.63 E 1,965,598.06
C.C. N 801,123.98 E 1,965,051.98
Back = S 72° 06' 56.25" E
Ahead = N 73° 23' 14.99" E
Chord Bear = S 89° 21' 50.63" E
Course from PT BSH001P-3 to PC BSH001P-4 N 73° 23' 14.99" E Dist 720.50

Curve Data

Curve BSH001P-4
P.I. Station 63+47.79 N 799,564.96 E 1,966,507.51
Delta = 6° 50' 53.72" (RT)
Degree = 1° 29' 59.84"
Tangent = 228.55
Length = 456.56
Radius = 3,819.83
External = 6.83
Long Chord = 456.29
Mid. Ord. = 6.82
P.C. Station 61+19.23 N 799,499.62 E 1,966,288.49
P.T. Station 65+75.80 N 799,603.72 E 1,966,732.75
C.C. N 795,839.23 E 1,967,380.57
Back = N 73° 23' 14.99" E
Ahead = N 80° 14' 08.72" E
Chord Bear = N 76° 48' 41.86" E
Course from PT BSH001P-4 to PC BSH001P-5 N 80° 14' 08.72" E Dist 310.44

Curve Data

Curve BSH001P-5
P.I. Station 71+36.90 N 799,698.88 E 1,967,285.72
Delta = 20° 18' 07.98" (RT)
Degree = 4° 05' 33.20"
Tangent = 250.67
Length = 496.08
Radius = 1,400.00
External = 22.26
Long Chord = 493.49
Mid. Ord. = 21.92
P.C. Station 68+86.23 N 799,656.37 E 1,967,038.69
P.T. Station 73+82.31 N 799,653.04 E 1,967,532.16
C.C. N 798,276.65 E 1,967,276.12
Back = N 80° 14' 08.72" E
Ahead = S 79° 27' 43.30" E
Chord Bear = S 89° 36' 47.29" E
Course from PT BSH001P-5 to PC BSH001P-6 S 79° 27' 43.30" E Dist 1,728.21

Curve Data

Curve BSH001P-6
P.I. Station 93+83.61 N 799,287.03 E 1,969,499.71
Delta = 12° 58' 59.22" (LT)
Degree = 2° 23' 14.37"
Tangent = 273.09
Length = 543.84
Radius = 2,400.00
External = 15.49
Long Chord = 542.67
Mid. Ord. = 15.39
P.C. Station 91+10.52 N 799,336.97 E 1,969,231.23
P.T. Station 96+54.36 N 799,298.68 E 1,969,772.55
C.C. N 801,696.49 E 1,969,670.16
Back = S 79° 27' 43.30" E
Ahead = N 87° 33' 17.48" E
Chord Bear = S 85° 57' 12.91" E
Course from PT BSH001P-6 to BSHP001001 N 87° 33' 17.48" E Dist 435.29
Point BSHP001001 N 799,317.25 E 1,970,207.44 Sta 100+89.65

Ending chain BSH001P description

LAWAND DRIVE (LAWAND001P)

Beginning chain LAWAND001P description
Point LAWANDP001 N 797,689.3451 E 1,970,098.2163 Sta 10+00.00
Course from LAWANDP001 to PC LAWAND001P-1 N 25° 14' 57.43" E Dist 31.6768

Curve Data

Curve LAWAND001P-1
P.I. Station 10+55.14 N 797,739.2192 E 1,970,121.7377
Delta = 26° 24' 42.10" (LT)
Degree = 57° 17' 44.81"
Tangent = 23.4656
Length = 46.0971
Radius = 100.0000
External = 2.7163
Long Chord = 45.6900
Mid. Ord. = 2.6444
P.C. Station 10+31.68 N 797,717.9955 E 1,970,111.7283
P.T. Station 10+77.77 N 797,762.6799 E 1,970,121.2617
C.C. N 797,760.6513 E 1,970,021.2823
Back = N 25° 14' 57.43" E
Ahead = N 1° 09' 44.66" W
Chord Bear = N 12° 02' 36.38" E
Course from PT LAWAND001P-1 to LAWANDP002 N 1° 09' 44.66" W Dist 113.7936
Point LAWANDP002 N 797,876.4501 E 1,970,118.9532 Sta 11+91.57

Ending chain LAWAND001P description

MORNINGHILL DRIVE (MORN)

Beginning chain MORN description
Point MORN1 N 799,316.93 E 1,969,357.63 Sta 8999+92.87
Course from MORN1 to PC MORN-1 S 1° 53' 41.38" E Dist 106.35

Curve Data

Curve MORN-1
P.I. Station 9001+92.61 N 799,117.30 E 1,969,364.24
Delta = 13° 19' 01.18" (LT)
Degree = 7° 09' 43.10"
Tangent = 93.39
Length = 185.94
Radius = 800.00
External = 5.43
Long Chord = 185.52
Mid. Ord. = 5.40
P.C. Station 9000+99.22 N 799,210.63 E 1,969,361.15
P.T. Station 9002+85.16 N 799,027.18 E 1,969,388.74
C.C. N 799,237.09 E 1,970,160.71
Back = S 1° 53' 41.38" E
Ahead = S 15° 12' 42.57" E
Chord Bear = S 8° 33' 11.98" E
Course from PT MORN-1 to PC MORN-2 S 15° 12' 42.57" E Dist 592.75

Curve Data

Curve MORN-2
P.I. Station 9011+11.41 N 798,229.88 E 1,969,605.54
Delta = 22° 01' 19.62" (LT)
Degree = 4° 46' 28.73"
Tangent = 233.50
Length = 461.23
Radius = 1,200.00
External = 22.51
Long Chord = 458.40
Mid. Ord. = 22.09
P.C. Station 9008+77.91 N 798,455.20 E 1,969,544.27
P.T. Station 9013+39.14 N 798,043.98 E 1,969,746.82
C.C. N 798,770.06 E 1,970,702.23
Back = S 15° 12' 42.57" E
Ahead = S 37° 14' 02.19" E
Chord Bear = S 26° 13' 22.38" E
Course from PT MORN-2 to PC MORN-3 S 37° 14' 02.19" E Dist 154.16

Curve Data

Curve MORN-3
P.I. Station 9015+95.08 N 797,840.20 E 1,969,901.68
Delta = 15° 15' 24.41" (LT)
Degree = 7° 32' 20.11"
Tangent = 101.79
Length = 202.37
Radius = 760.00
External = 6.79
Long Chord = 201.78
Mid. Ord. = 6.73
P.C. Station 9014+93.29 N 797,921.24 E 1,969,840.09
P.T. Station 9016+95.67 N 797,778.22 E 1,969,982.43
C.C. N 798,381.10 E 1,970,445.19
Back = S 37° 14' 02.19" E
Ahead = S 52° 29' 26.60" E
Chord Bear = S 44° 51' 44.39" E
Course from PT MORN-3 to PC MORN-4 S 52° 29' 26.60" E Dist 338.36

Curve Data

Curve MORN-4
P.I. Station 9021+18.25 N 797,520.92 E 1,970,317.64
Delta = 12° 48' 54.97" (RT)
Degree = 7° 38' 21.97"
Tangent = 84.23
Length = 167.75
Radius = 750.00
External = 4.71
Long Chord = 167.40
Mid. Ord. = 4.69
P.C. Station 9020+34.02 N 797,572.20 E 1,970,250.83
P.T. Station 9022+01.78 N 797,456.09 E 1,970,371.42
C.C. N 796,977.26 E 1,969,794.16
Back = S 52° 29' 26.60" E
Ahead = S 39° 40' 31.63" E
Chord Bear = S 46° 04' 59.11" E
Course from PT MORN-4 to MORN2 S 39° 40' 31.63" E Dist 781.20
Point MORN2 N 796,854.82 E 1,970,870.17 Sta 9029+82.97

Ending chain MORN description

TRACT(S)	ISSUED FOR	DATE
N/A	SHEET RELEASED	09–30–2019
N/A	REVISED BSH001P	01–20–2021

TRACT(S)	ISSUED FOR	DATE

PLANS PREPARED BY

HDR STV

PLANS PREPARED FOR

SCDOT
South Carolina Department of Transportation

0 100 200 400

CAROLINA CROSSROADS

REFERENCE DATA SHEET
PROPOSED ALIGNMENTS

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROAD/ROUTE NO.	SHEET NO.
3	S.C.	LEXINGTON/RICHLAND	P027662	I-26/I-20/I-126	5X

126 RAMP D-B (126RDB)

Beginning chain 126RDB description

Curve Data

Curve 126RDB-1
P.I. Station 5982+18.95 N 795,993.5452 E 1,968,151.2960
Delta = 12° 00' 00.00" (LT)
Degree = 4° 05' 33.20"
Tangent = 147.1459
Length = 293.2153
Radius = 1,400.0000
External = 7.7116
Long Chord = 292.6797
Mid. Ord. = 7.6693
P.C. Station 5980+71.80 N 795,856.9996 E 1,968,096.4577
P.T. Station 5983+65.02 N 796,138.5084 E 1,968,176.5466
C.C. N 796,378.7516 E 1,966,797.3137
Back = N 21° 52' 51.57" E
Ahead = N 9° 52' 51.57" E
Chord Bear = N 15° 52' 51.57" E
Course from PT 126RDB-1 to PC 126RDB-2 N 9° 52' 51.57" E Dist 387.4194

Curve Data

Curve 126RDB-2
P.I. Station 5988+18.73 N 796,585.4899 E 1,968,254.4045
Delta = 6° 30' 28.94" (RT)
Degree = 4° 54' 49.95"
Tangent = 66.2923
Length = 132.4421
Radius = 1,166.0000
External = 1.8830
Long Chord = 132.3709
Mid. Ord. = 1.8800
P.C. Station 5987+52.43 N 796,520.1809 E 1,968,243.0286
P.T. Station 5988+84.88 N 796,649.0886 E 1,968,273.1094
C.C. N 796,320.0926 E 1,969,391.7325
Back = N 9° 52' 51.57" E
Ahead = N 16° 23' 20.51" E
Chord Bear = N 13° 08' 06.04" E
Course from PT 126RDB-2 to PC 126RDB-3 N 16° 23' 20.51" E Dist 319.7680

Curve Data

Curve 126RDB-3
P.I. Station 6015+32.10 N 799,188.7483 E 1,969,020.0436
Delta = 126° 46' 49.42" (RT)
Degree = 4° 54' 49.95"
Tangent = 2,327.4536
Length = 2,580.0494
Radius = 1,166.0000
External = 1,437.1896
Long Chord = 2,084.9890
Mid. Ord. = 643.7345
P.C. Station 5992+04.64 N 796,955.8638 E 1,968,363.3345
P.T. Station 6017+84.69 N 797,325.8275 E 1,970,415.2375
C.C. N 796,626.8678 E 1,969,481.9576
Back = N 16° 23' 20.51" E
Ahead = S 36° 49' 50.07" E
Chord Bear = N 79° 46' 45.22" E
Course from PT 126RDB-3 to PC 126RDB-4 S 36° 49' 50.07" E Dist 750.4958

Curve Data

Curve 126RDB-4
P.I. Station 6026+95.24 N 796,597.0174 E 1,970,961.0639
Delta = 11° 04' 50.17" (RT)
Degree = 3° 28' 20.90"
Tangent = 160.0484
Length = 319.0984
Radius = 1,650.0000
External = 7.7441
Long Chord = 318.6014
Mid. Ord. = 7.7079
P.C. Station 6025+35.19 N 796,725.1219 E 1,970,865.1228
P.T. Station 6028+54.29 N 796,452.8621 E 1,971,030.5961
C.C. N 795,736.0281 E 1,969,544.4436
Back = S 36° 49' 50.07" E
Ahead = S 25° 44' 59.90" E
Chord Bear = S 31° 17' 24.98" E
Course from PT 126RDB-4 to PC 126RDB-5 S 25° 44' 59.90" E Dist 239.1592

Curve Data

Curve 126RDB-5
P.I. Station 6033+14.36 N 796,038.4736 E 1,971,230.4731
Delta = 12° 51' 41.59" (LT)
Degree = 2° 55' 23.71"
Tangent = 220.9154
Length = 439.9738
Radius = 1,960.0000
External = 12.4106
Long Chord = 439.0507
Mid. Ord. = 12.3325
P.C. Station 6030+93.45 N 796,237.4518 E 1,971,134.4976
P.T. Station 6035+33.42 N 795,865.8515 E 1,971,368.3324
C.C. N 797,088.9636 E 1,972,899.8665
Back = S 25° 44' 59.90" E
Ahead = S 38° 36' 41.49" E
Chord Bear = S 32° 10' 50.69" E

Ending chain 126RDB description

I-26 RAMP C (I26RC)

Beginning chain I26RC description

Curve Data

Curve I26RC-1
P.I. Station 5404+16.37 N 797,841.6479 E 1,969,118.1219
Delta = 97° 52' 49.04" (RT)
Degree = 9° 32' 57.47"
Tangent = 688.7665
Length = 1,025.0000
Radius = 600.0000
External = 313.4546
Long Chord = 904.8286
Mid. Ord. = 205.8917
P.C. Station 5397+27.60 N 797,206.4853 E 1,968,851.7241
P.T. Station 5407+52.60 N 797,490.6826 E 1,969,710.7623
C.C. N 796,974.4202 E 1,969,405.0285
Back = N 22° 45' 14.36" E
Ahead = S 59° 21' 56.59" E
Chord Bear = N 71° 41' 38.88" E

Curve Data

Curve I26RC-2
P.I. Station 5408+54.67 N 797,438.6697 E 1,969,798.5912
Delta = 9° 35' 47.99" (RT)
Degree = 4° 42' 42.57"
Tangent = 102.0747
Length = 203.6720
Radius = 1,216.0000
External = 4.2767
Long Chord = 203.4340
Mid. Ord. = 4.2617
P.C. Station 5407+52.60 N 797,490.6826 E 1,969,710.7623
P.T. Station 5409+56.27 N 797,372.7427 E 1,969,876.5199
C.C. N 796,444.3908 E 1,969,091.1418
Back = S 59° 21' 56.59" E
Ahead = S 49° 46' 08.60" E
Chord Bear = S 54° 34' 02.60" E

Curve Data

Curve I26RC-3
P.I. Station 5412+97.46 N 797,152.3804 E 1,970,136.9980
Delta = 25° 04' 43.76" (RT)
Degree = 3° 44' 06.21"
Tangent = 341.1868
Length = 671.4441
Radius = 1,534.0000
External = 37.4848
Long Chord = 666.0969
Mid. Ord. = 36.5907
P.C. Station 5409+56.27 N 797,372.7427 E 1,969,876.5199
P.T. Station 5416+27.72 N 796,842.3851 E 1,970,279.5159
C.C. N 796,201.6145 E 1,968,885.7551
Back = S 49° 46' 08.60" E
Ahead = S 24° 41' 24.84" E
Chord Bear = S 37° 13' 46.72" E
Course from PT I26RC-3 to PC I26RC-4 S 24° 41' 24.84" E Dist 237.7250

Curve Data

Curve I26RC-4
P.I. Station 5420+09.73 N 796,495.2980 E 1,970,439.0865
Delta = 26° 42' 00.19" (LT)
Degree = 9° 25' 25.13"
Tangent = 144.2858
Length = 283.3303
Radius = 608.0000
External = 16.8859
Long Chord = 280.7736
Mid. Ord. = 16.4296
P.C. Station 5418+65.44 N 796,626.3931 E 1,970,378.8165
P.T. Station 5421+48.77 N 796,405.2620 E 1,970,551.8335
C.C. N 796,880.3621 E 1,970,931.2328
Back = S 24° 41' 24.84" E
Ahead = S 51° 23' 25.04" E
Chord Bear = S 38° 02' 24.94" E
Course from PT I26RC-4 to PC I26RC-5 S 51° 23' 25.04" E Dist 292.1606

Curve Data

Curve I26RC-5
P.I. Station 5425+78.14 N 796,137.3326 E 1,970,887.3461
Delta = 20° 37' 35.33" (RT)
Degree = 7° 35' 56.08"
Tangent = 137.2050
Length = 271.4400
Radius = 754.0000
External = 12.3819
Long Chord = 269.9766
Mid. Ord. = 12.1819
P.C. Station 5424+40.93 N 796,222.9502 E 1,970,780.1320
P.T. Station 5427+12.37 N 796,019.4347 E 1,970,957.5265
C.C. N 795,633.7635 E 1,970,309.6270
Back = S 51° 23' 25.04" E
Ahead = S 30° 45' 49.71" E
Chord Bear = S 41° 04' 37.37" E
Course from PT I26RC-5 to PC I26RC-6 S 30° 45' 49.71" E Dist 349.6852

Curve Data

Curve I26RC-6
P.I. Station 5437+13.66 N 795,159.0460 E 1,971,469.6847
Delta = 36° 09' 32.09" (LT)
Degree = 2° 52' 13.91"
Tangent = 651.6013
Length = 1,259.6598
Radius = 1,996.0000
External = 103.6667
Long Chord = 1,238.8597
Mid. Ord. = 98.5484
P.C. Station 5430+62.06 N 795,718.9561 E 1,971,136.3905
P.T. Station 5443+21.72 N 794,903.6363 E 1,972,069.1429
C.C. N 796,739.9104 E 1,972,851.5197
Back = S 30° 45' 49.71" E
Ahead = S 66° 55' 21.79" E
Chord Bear = S 48° 50' 35.75" E
Course from PT I26RC-6 to RCI26001 S 66° 55' 21.79" E Dist 1,153.8756
Point RCI26001 N 794,451.3490 E 1,973,130.6819 Sta 5454+75.59

Ending chain I26RC description

(378RPA)

Beginning chain 378RPA description

Curve Data

Curve 378RPA-1
P.I. Station 3431+83.75 N 793,756.0585 E 1,967,265.6259
Delta = 4° 58' 53.70" (RT)
Degree = 0° 49' 06.64"
Tangent = 304.4994
Length = 608.6152
Radius = 7,000.0000
External = 6.6197
Long Chord = 608.4235
Mid. Ord. = 6.6135
P.C. Station 3428+79.25 N 794,038.6218 E 1,967,379.1067
P.T. Station 3434+87.87 N 793,484.4168 E 1,967,128.0372
C.C. N 796,647.3814 E 1,960,883.3871
Back = S 21° 52' 51.57" W
Ahead = S 26° 51' 45.27" W
Chord Bear = S 24° 22' 18.42" W
Course from PT 378RPA-1 to RPA379 S 26° 51' 45.27" W Dist 322.7726
Point RPA379 N 793,196.4736 E 1,966,982.1917 Sta 3438+10.64
Course from RPA379 to PC 378RPA-2 S 26° 51' 45.27" W Dist 558.4984

Curve Data

Curve 378RPA-2
P.I. Station 3455+63.93 N 791,632.3726 E 1,966,189.9622
Delta = 33° 15' 41.95" (LT)
Degree = 1° 25' 56.62"
Tangent = 1,194.7956
Length = 2,322.1015
Radius = 4,000.0000
External = 174.6301
Long Chord = 2,289.6315
Mid. Ord. = 167.3251
P.C. Station 3443+69.14 N 792,698.2412 E 1,966,729.8330
P.T. Station 3466+91.24 N 790,445.0210 E 1,966,323.1257
C.C. N 790,890.8328 E 1,970,298.2045
Back = S 26° 51' 45.27" W
Ahead = S 6° 23' 56.69" E
Chord Bear = S 10° 13' 54.29" W
Course from PT 378RPA-2 to RPA380 S 6° 23' 56.69" E Dist 309.9917
Point RPA380 N 790,136.9606 E 1,966,357.6752 Sta 3470+01.23

Ending chain 378RPA description

COLONIAL LIFE SPUR A (COLSPURA)

Beginning chain COLSPURA description

Point COLSA001 N 797,381.5017 E 1,970,391.7112 Sta 3017+26.80
Course from COLSA001 to PC COLSPURA-1 S 39° 40' 31.63" E Dist 599.5978

Curve Data

Curve COLSPURA-1
P.I. Station 3024+98.13 N 796,787.8300 E 1,970,884.1574
Delta = 4° 55' 00.24" (RT)
Degree = 1° 25' 56.62"
Tangent = 171.7318
Length = 343.2528
Radius = 4,000.0000
External = 3.6848
Long Chord = 343.1475
Mid. Ord. = 3.6814
P.C. Station 3023+26.40 N 796,920.0074 E 1,970,774.5173
P.T. Station 3026+69.65 N 796,646.7420 E 1,970,982.0655
C.C. N 794,366.2549 E 1,967,695.8247
Back = S 39° 40' 31.63" E
Ahead = S 34° 45' 31.39" E
Chord Bear = S 37° 13' 01.51" E
Course from PT COLSPURA-1 to COLSA002 S 34° 45' 31.39" E Dist 560.8284
Point COLSA002 N 796,185.9878 E 1,971,301.8059 Sta 3032+30.48

Ending chain COLSPURA description

COLONIAL LIFE RAMP D (COLRD)

Beginning chain COLRD description

Point COLRD1000 N 796,056.4313 E 1,971,381.9741 Sta 6033+90.77
Course from COLRD1000 to PC COLRD-1 S 34° 45' 31.39" E Dist 521.5478

Curve Data

Curve COLRD-1
P.I. Station 6040+14.92 N 795,543.6573 E 1,971,737.8137
Delta = 10° 39' 26.35" (LT)
Degree = 5° 12' 31.35"
Tangent = 102.5989
Length = 204.6059
Radius = 1,100.0000
External = 4.7744
Long Chord = 204.3110
Mid. Ord. = 4.7538
P.C. Station 6039+12.32 N 795,627.9484 E 1,971,679.3198
P.T. Station 6041+16.92 N 795,471.6376 E 1,971,810.8869
C.C. N 796,255.0824 E 1,972,583.0360
Back = S 34° 45' 31.39" E
Ahead = S 45° 24' 57.74" E
Chord Bear = S 40° 05' 14.56" E
Course from PT COLRD-1 to PC COLRD-2 S 45° 24' 57.74" E Dist 412.4196

Curve Data

Curve COLRD-2
P.I. Station 6046+62.69 N 795,088.5332 E 1,972,199.5957
Delta = 12° 40' 54.73" (LT)
Degree = 4° 46' 28.73"
Tangent = 133.3491
Length = 265.6085
Radius = 1,200.0000
External = 7.3864
Long Chord = 265.0666
Mid. Ord. = 7.3412
P.C. Station 6045+29.34 N 795,182.1381 E 1,972,104.6215
P.T. Station 6047+94.95 N 795,018.0623 E 1,972,312.8028
C.C. N 796,036.8052 E 1,972,946.9660
Back = S 45° 24' 57.74" E
Ahead = S 58° 05' 52.47" E
Chord Bear = S 51° 45' 25.10" E

Ending chain COLRD description

COLONIAL LIFE (COLP)

Beginning chain COLP description

Point COLP001 N 795,805.2592 E 1,971,066.3846 Sta 10+00.00
Course from COLP001 to PC COLP-1 N 51° 29' 03.62" E Dist 494.1392

Curve Data

Curve COLP-1
P.I. Station 16+91.99 N 796,236.1784 E 1,971,607.8204
Delta = 22° 22' 56.92" (LT)
Degree = 5° 43' 46.48"
Tangent = 197.8464
Length = 390.6479
Radius = 1,000.0000
External = 19.3837
Long Chord = 388.1687
Mid. Ord. = 19.0152
P.C. Station 14+94.14 N 796,112.9738 E 1,971,453.0178
P.T. Station 18+84.79 N 796,409.0480 E 1,971,704.0457
C.C. N 796,895.4118 E 1,970,830.2893
Back = N 51° 29' 03.62" E
Ahead = N 29° 06' 06.70" E
Chord Bear = N 40° 17' 35.16" E

Curve Data

Curve COLP-2
P.I. Station 22+52.43 N 796,730.2753 E 1,971,882.8522
Delta = 34° 03' 59.71" (LT)
Degree = 4° 46' 28.73"
Tangent = 367.6394
Length = 713.4889
Radius = 1,200.0000
External = 55.0533
Long Chord = 703.0256
Mid. Ord. = 52.6384
P.C. Station 18+84.79 N 796,409.0480 E 1,971,704.0457
P.T. Station 25+98.28 N 797,096.5354 E 1,971,851.0358
C.C. N 796,992.6845 E 1,970,655.5380
Back = N 29° 06' 06.70" E
Ahead = N 4° 57' 53.02" W
Chord Bear = N 12° 04' 06.84" E
Course from PT COLP-2 to COLP002 N 4° 57' 53.02" W Dist 34.8925
Point COLP002 N 797,131.2970 E 1,971,848.0161 Sta 26+33.17

Ending chain COLP description

COLONIAL LIFE RAMP A (COLRAP)

Beginning chain COLRAP description

Point COLRAP203 N 797,608.8961 E 1,970,018.7610 Sta 3013+29.54

Course from COLRAP203 to PC COLRAP-1 S 41° 12' 43.27" E Dist 1,665.3536

Curve Data

Curve COLRAP-1
P.I. Station 3033+53.89 N 796,086.0212 E 1,971,352.5016
Delta = 97° 39' 03.36" (LT)
Degree = 18° 14' 49.43"
Tangent = 359.0012
Length = 535.1597
Radius = 314.0000
External = 162.9464
Long Chord = 472.7004
Mid. Ord. = 107.2765
P.C. Station 3029+94.89 N 796,356.0894 E 1,971,115.9747
P.T. Station 3035+30.05 N 796,356.3987 E 1,971,588.6749
C.C. N 796,562.9675 E 1,971,352.1895
Back = S 41° 12' 43.28" E
Ahead = N 41° 08' 13.36" E
Chord Bear = N 89° 57' 45.04" E
Course from PT COLRAP-1 to COLRAP204 N 41° 08' 13.37" E Dist 107.7997
Point COLRAP204 N 796,437.5868 E 1,971,659.5923 Sta 3036+37.85

Ending chain COLRAP description

COLONIAL LIFE SOUTHBOUND CROSSOVER (COLSBCO)

Beginning chain COLSBCO description

Point COLSBC1 N 796,081.5552 E 1,971,539.8736 Sta 201+57.45
Course from COLSBC1 to PC COLSBCO-1 N 23° 47' 22.42" E Dist 53.7839

Curve Data

Curve COLSBCO-1
P.I. Station 202+47.35 N 796,163.8136 E 1,971,576.1359
Delta = 16° 26' 20.90" (LT)
Degree = 22° 55' 05.92"
Tangent = 36.1127
Length = 71.7293
Radius = 250.0000
External = 2.5945
Long Chord = 71.4835
Mid. Ord. = 2.5681
P.C. Station 202+11.23 N 796,130.7693 E 1,971,561.5688
P.T. Station 202+82.96 N 796,199.6295 E 1,971,580.7561
C.C. N 796,231.6139 E 1,971,332.8105
Back = N 23° 47' 22.42" E
Ahead = N 7° 21' 01.52" E
Chord Bear = N 15° 34' 11.97" E
Course from PT COLSBCO-1 to PC COLSBCO-2 N 7° 21' 01.52" E Dist 99.4970

Curve Data

Curve COLSBCO-2
P.I. Station 204+30.86 N 796,346.3147 E 1,971,599.6781
Delta = 32° 19' 39.41" (RT)
Degree = 34° 18' 31.86"
Tangent = 48.4036
Length = 94.2253
Radius = 167.0000
External = 6.8733
Long Chord = 92.9804
Mid. Ord. = 6.6016
P.C. Station 203+82.46 N 796,298.3089 E 1,971,593.4855
P.T. Station 204+76.69 N 796,383.5683 E 1,971,630.5825
C.C. N 796,276.9433 E 1,971,759.1131
Back = N 7° 21' 01.52" E
Ahead = N 39° 40' 40.93" E
Chord Bear = N 23° 30' 51.23" E
Course from PT COLSBCO-2 to PC COLSBCO-3 N 39° 40' 40.93" E Dist 72.8279

Curve Data

Curve COLSBCO-3
P.I. Station 206+39.13 N 796,508.5966 E 1,971,734.3021
Delta = 19° 51' 25.86" (LT)
Degree = 11° 11' 26.09"
Tangent = 89.6216
Length = 177.4455
Radius = 512.0000
External = 7.7846
Long Chord = 176.5588
Mid. Ord. = 7.6680
P.C. Station 205+49.51 N 796,439.6198 E 1,971,677.0811
P.T. Station 207+26.96 N 796,592.9088 E 1,971,764.6910
C.C. N 796,766.5179 E 1,971,283.0232
Back = N 39° 40' 40.93" E
Ahead = N 19° 49' 15.07" E
Chord Bear = N 29° 44' 58.00" E

Ending chain COLSBCO description

COLONIAL LIFE (S2963REL)

Beginning chain S2963REL description

Curve Data

Curve S2963REL-1
P.I. Station 209+81.13 N 796,834.4782 E 1,971,872.4886
Delta = 24° 49' 39.46" (LT)
Degree = 4° 46' 50.25"
Tangent = 263.8103
Length = 519.3386
Radius = 1,198.5000
External = 28.6911
Long Chord = 515.2850
Mid. Ord. = 28.0204
P.C. Station 207+17.31 N 796,586.2967 E 1,971,783.0358
P.T. Station 212+36.65 N 797,097.2818 E 1,971,849.4650
C.C. N 796,992.6845 E 1,970,655.5380
Back = N 19° 49' 15.07" E
Ahead = N 5° 00' 24.39" W
Chord Bear = N 7° 24' 25.34" E

Course from PT S2963REL-1 to REL2963003 N 5° 00' 24.39" W Dist 263.3501

Point REL2963003 N 797,359.6271 E 1,971,826.4815 Sta 215+00.00

Ending chain S2963REL description

TRACT(S)	ISSUED FOR	DATE
N/A	SHEET RELEASED	09-30-2019
N/A	COLONIAL LIFE RAMP D REVISED	11-01-2019
N/A	COLRAP, COLSBCO, AND S-2963REL ADDED	08-27-2021

TRACT(S)	ISSUED FOR	DATE

PLANS PREPARED BY

HDR STV

PLANS PREPARED FOR

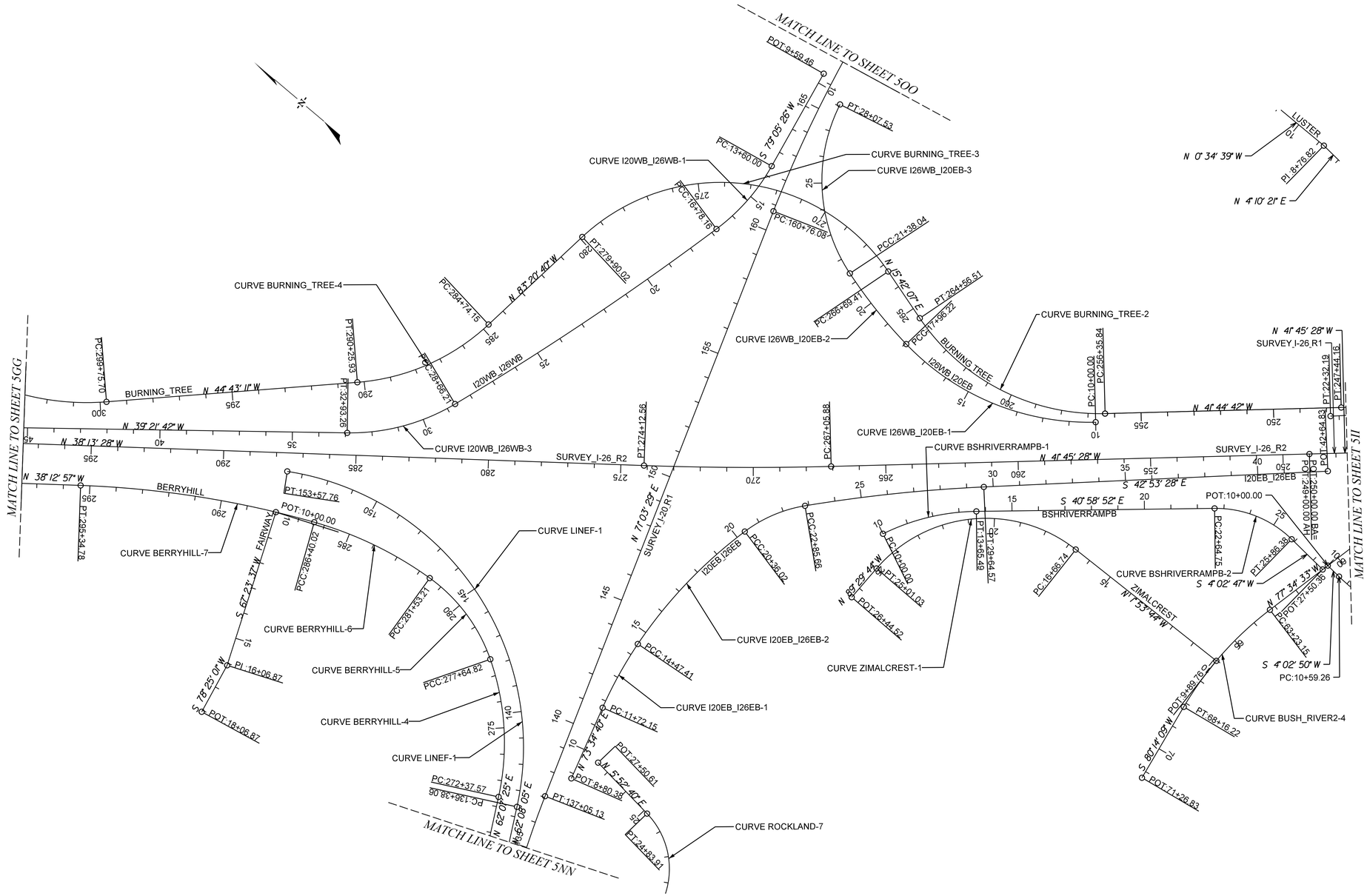
SCDOT
South Carolina Department of Transportation

0 100 200 400

CAROLINA CROSSROADS

REFERENCE DATA SHEET
PROPOSED ALIGNMENTS

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROAD/ROUTE NO.	SHEET NO.
3	S.C.	LEXINGTON/RICHLAND	P027662	I-26/I-20/I-126	5HH



TRACT(S)	ISSUED FOR	DATE	TRACT(S)	ISSUED FOR	DATE
N/A	SHEET RELEASED	11-01-2019			
N/A	ZIMALCREST, BUSH_RIVER2 REVISED	12-06-2019			

PLANS PREPARED BY

HDR STV

PLANS PREPARED FOR

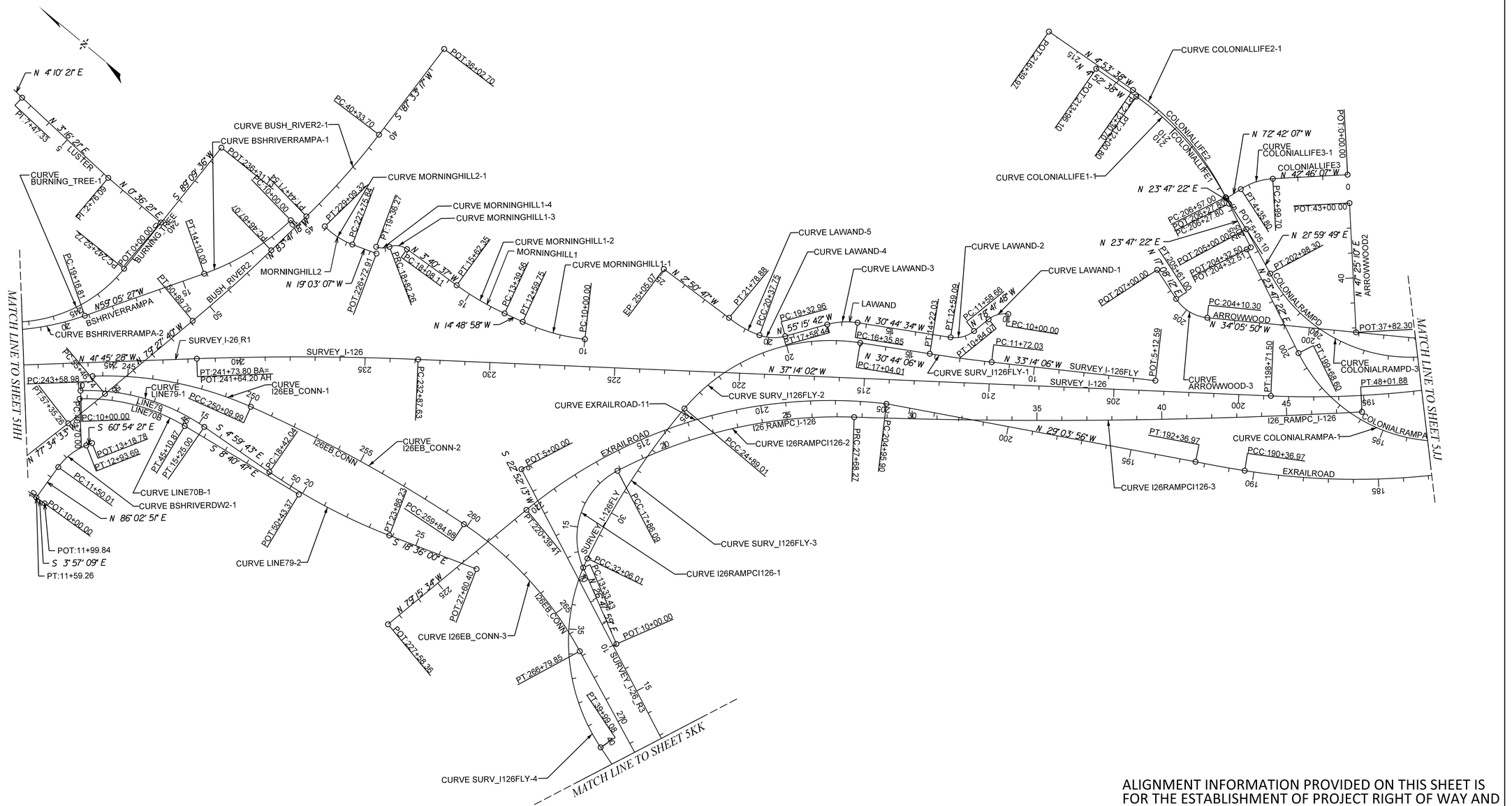
SCDOT
South Carolina Department of Transportation

0 100 200 400

CAROLINA CROSSROADS

REFERENCE DATA SHEET EXISTING ALIGNMENTS

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROAD/ROUTE NO.	SHEET NO.
3	S.C.	LEXINGTON/RICHLAND	P027662	I-26/I-20/I-126	5II



ALIGNMENT INFORMATION PROVIDED ON THIS SHEET IS FOR THE ESTABLISHMENT OF PROJECT RIGHT OF WAY AND DOES NOT REFLECT THE ALIGNMENT FOR FINAL DESIGN. ALIGNMENTS FOR FINAL DESIGN OF THE PROJECT ARE THE RESPONSIBILITY OF THE DESIGN BUILD TEAM.

TRACT(S)	ISSUED FOR	DATE
N/A	SHEET RELEASED	09-30-2019
N/A	ADDED: LUSTER, FAIRHAVEN, MORNINGHILL	11-01-2019
N/A	BURNINGTREE, BUSH_RIVER2 REVISED	12-06-2019
N/A	COLONIALLIFE2 REVISED (EXTENDED)	08-27-2021

TRACT(S)	ISSUED FOR	DATE

PLANS PREPARED BY

HDR STV

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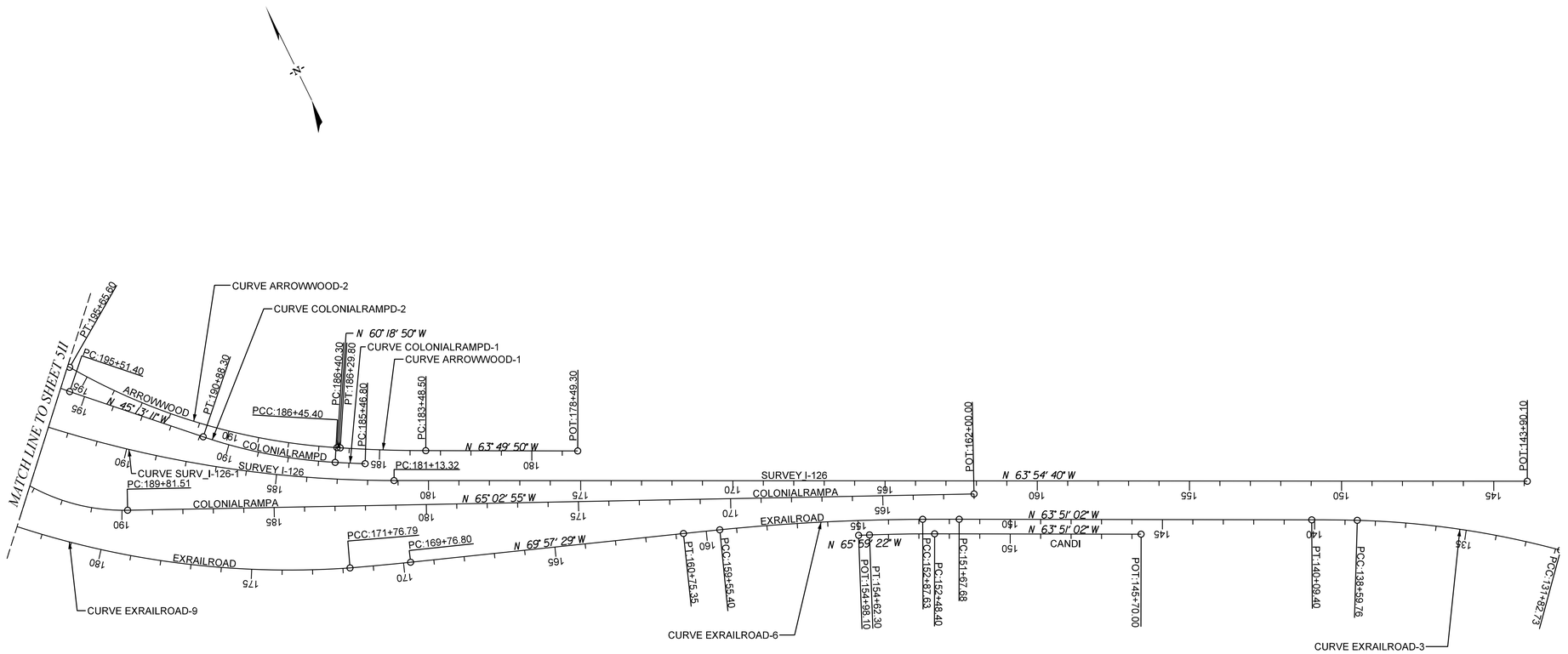
CAROLINA CROSSROADS

REFERENCE DATA SHEET
EXISTING ALIGNMENTS

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROAD/ROUTE NO.	SHEET NO.
3	S.C.	LEXINGTON/RICHLAND	P027662	I-26/I-20/I-126	5JJ



TRACT(S)	ISSUED FOR	DATE
N/A	SHEET RELEASED	3/1/2021

TRACT(S)	ISSUED FOR	DATE

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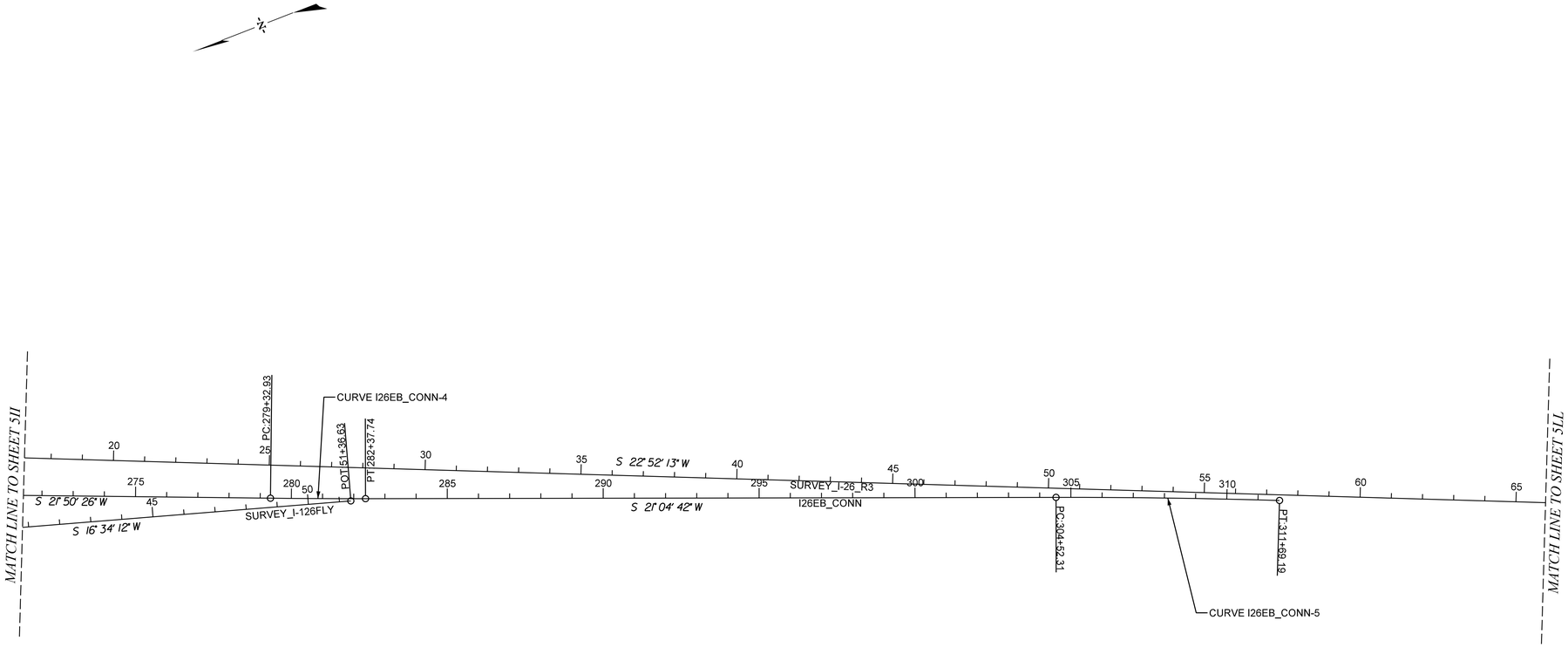
CAROLINA CROSSROADS

REFERENCE DATA SHEET
EXISTING ALIGNMENTS

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROAD/ROUTE NO.	SHEET NO.
3	S.C.	LEXINGTON/RICHLAND	P027662	I-26/I-126	5KK



TRACT(S)	ISSUED FOR	DATE
N/A	SHEET RELEASED	09-30-2019

TRACT(S)	ISSUED FOR	DATE

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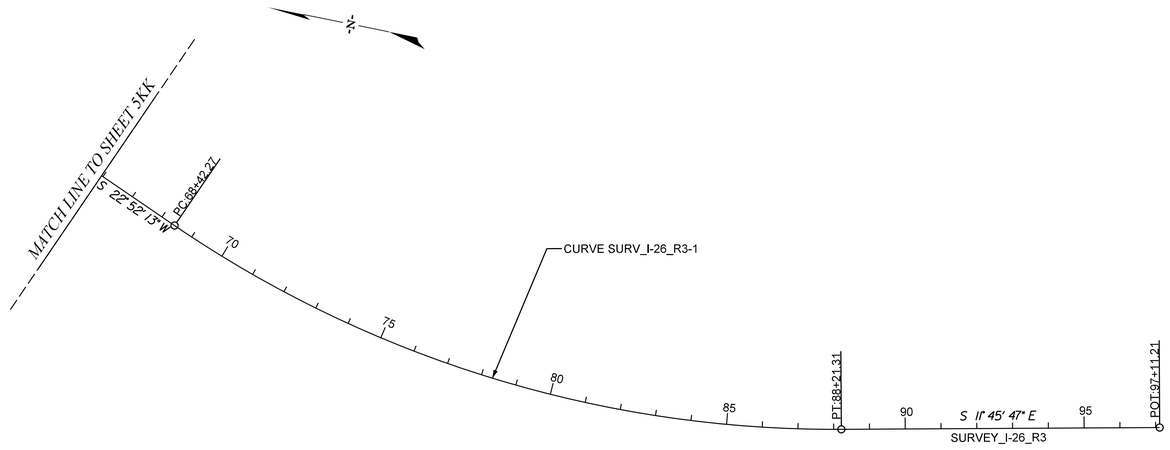
CAROLINA CROSSROADS

REFERENCE DATA SHEET
EXISTING ALIGNMENTS

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROAD/ROUTE NO.	SHEET NO.
3	S.C.	LEXINGTON/RICHLAND	P027662	I-26/I-20/I-126	5LL



TRACT(S)	ISSUED FOR	DATE
N/A	SHEET RELEASED	11-01-2019

TRACT(S)	ISSUED FOR	DATE

PLANS PREPARED BY

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South Carolina Department of Transportation

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CAROLINA CROSSROADS

REFERENCE DATA SHEET
EXISTING ALIGNMENTS

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROAD/ROUTE NO.	SHEET NO.
3	S.C.	LEXINGTON/RICHLAND	P027662	I-26/I-20/I-126	5QQ

SURVEY_I-26_R2

Beginning chain SURVEY_I-26_R2 description

```
Point XI269000        N      799,911.47 E    1,968,074.00 Sta     249+00.00
Course from XI269000 to PC SURV_I-26_R2-1 N 41° 45' 28.22" W Dist 1,805.88
                        Curve Data
                        *----------*
Curve SURV_I-26_R2-1
P.I. Station        270+59.33  N        801,522.25  E       1,966,635.92
Delta      =     3° 32' 00.33" (RT)
Degree     =     0° 30' 00.00"
Tangent    =          353.45
Length     =          706.68
Radius     =       11,459.16
External   =            5.45
Long Chord =          706.57
Mid. Ord.  =            5.45
P.C. Station        267+05.88  N        801,258.59  E       1,966,871.31
P.T. Station        274+12.56  N        801,799.93  E       1,966,417.22
C.C.                      N        808,890.20  E       1,975,419.46
Back       = N  41° 45' 28.22" W
Ahead      = N  38° 13' 27.90" W
Chord Bear = N  39° 59' 28.06" W
Course from PT SURV_I-26_R2-1 to PC SURV_I-26_R2-2 N 38° 13' 27.90" W Dist 4,171.30
                        Curve Data
                        *----------*
Curve SURV_I-26_R2-2
P.I. Station        319+74.77  N        805,383.97  E       1,963,594.39
Delta      =     3° 54' 27.12" (LT)
Degree     =     0° 30' 00.00"
Tangent    =          390.90
Length     =          781.51
Radius     =       11,459.16
External   =            6.67
Long Chord =          781.36
Mid. Ord.  =            6.66
P.C. Station        315+83.86  N        805,076.87  E       1,963,836.25
P.T. Station        323+65.37  N        805,673.86  E       1,963,332.15
C.C.                      N        797,986.60  E       1,954,834.02
Back       = N  38° 13' 27.90" W
Ahead      = N  42° 07' 55.01" W
Chord Bear = N  40° 10' 41.45" W
Course from PT SURV_I-26_R2-2 to PC SURV_I-26_R2-3 N 42° 07' 55.01" W Dist 7,755.51
                        Curve Data
                        *----------*
Curve SURV_I-26_R2-3
P.I. Station        403+78.95  N        811,616.74  E       1,957,956.32
Delta      =     2° 34' 48.71" (RT)
Degree     =     0° 30' 00.00"
Tangent    =          258.06
Length     =          516.04
Radius     =       11,459.16
External   =            2.91
Long Chord =          516.00
Mid. Ord.  =            2.90
P.C. Station        401+20.88  N        811,425.36  E       1,958,129.44
P.T. Station        406+36.92  N        811,815.72  E       1,957,791.99
C.C.                      N        819,112.63  E       1,966,627.57
Back       = N  42° 07' 55.01" W
Ahead      = N  39° 33' 06.30" W
Chord Bear = N  40° 50' 30.66" W
Course from PT SURV_I-26_R2-3 to PC SURV_I-26_R2-4 N 39° 33' 06.30" W Dist 11,436.82
                        Curve Data
                        *----------*
Curve SURV_I-26_R2-4
P.I. Station        523+65.73  N        820,859.22  E       1,950,323.38
Delta      =     2° 55' 09.26" (LT)
Degree     =     0° 30' 00.00"
Tangent    =          291.99
Length     =          583.85
Radius     =       11,459.16
External   =            3.72
Long Chord =          583.78
Mid. Ord.  =            3.72
P.C. Station        520+73.74  N        820,634.08  E       1,950,509.31
P.T. Station        526+57.59  N        821,074.59  E       1,950,126.23
C.C.                      N        813,337.18  E       1,941,673.73
Back       = N  39° 33' 06.30" W
Ahead      = N  42° 28' 15.56" W
Chord Bear = N  41° 00' 40.93" W
Course from PT SURV_I-26_R2-4 to PC SURV_I-26_R2-5 N 42° 28' 15.56" W Dist 5,262.62
                        Curve Data
                        *----------*
Curve SURV_I-26_R2-5
P.I. Station        581+10.98  N        825,097.12  E       1,946,444.01
Delta      =     1° 54' 26.97" (RT)
Degree     =     0° 30' 00.00"
Tangent    =          190.77
Length     =          381.50
Radius     =       11,459.16
External   =            1.59
Long Chord =          381.48
Mid. Ord.  =            1.59
P.C. Station        579+20.22  N        824,956.41  E       1,946,572.82
P.T. Station        583+01.71  N        825,242.04  E       1,946,319.95
C.C.                      N        832,693.82  E       1,955,025.31
Back       = N  42° 28' 15.56" W
Ahead      = N  40° 33' 48.59" W
Chord Bear = N  41° 31' 02.08" W
Course from PT SURV_I-26_R2-5 to XI269001 N 40° 33' 48.59" W Dist 3,055.68
Point XI269001        N      827,563.40 E    1,944,332.88 Sta     613+57.39
==========================================================
Ending chain SURVEY_I-26_R2 description
```

SURVEY_I-26_R1

Beginning chain SURVEY_I-26_R1 description

```
Point XI268000        N      799,287.99 E    1,968,630.63 Sta     241+64.20
Course from XI268000 to XI268001 N 41° 45' 28.22" W Dist 835.80
Point XI268001        N      799,911.47 E    1,968,074.00 Sta     250+00.00
==========================================================
Ending chain SURVEY_I-26_R1 description
```

SURVEY_I-26_R3

Beginning chain SURVEY_I-26_R3 description

```
Point XUS76000        N      798,005.52 E    1,969,119.98 Sta       5+00.00
Course from XUS76000 to PC SURV_I-26_R3-1 S 22° 52' 13.38" W Dist 6,342.27
                        Curve Data
                        *----------*
Curve SURV_I-26_R3-1
P.I. Station         78+63.06  N        791,221.30  E       1,966,258.35
Delta      =    34° 38' 00.03" (LT)
Degree     =     1° 45' 00.01"
Tangent    =        1,020.80
Length     =        1,979.05
Radius     =        3,274.04
External   =          155.44
Long Chord =        1,949.05
Mid. Ord.  =          148.40
P.C. Station        68+42.27  N        792,161.85  E       1,966,655.08
P.T. Station        88+21.31  N        790,221.94  E       1,966,466.45
C.C.                      N        790,889.40  E       1,969,671.73
Back       = S  22° 52' 13.38" W
Ahead      = S  11° 45' 46.66" E
Chord Bear = S   5° 33' 13.36" W
Course from PT SURV_I-26_R3-1 to XUS76001 S 11° 45' 46.66" E Dist 889.90
Point XUS76001        N      789,350.73 E    1,966,647.87 Sta     97+11.21
==========================================================
Ending chain SURVEY_I-26_R3 description
```

SURVEY_I-20_R1

Beginning chain SURVEY_I-20_R1 description

```
Point XI209000        N      792,437.99 E    1,954,911.98 Sta       0+00.00
Course from XI209000 to PC SURVEY_I-20-1 N 63° 59' 47.47" E Dist 1,265.61
                        Curve Data
                        *----------*
Curve SURVEY_I-20-1
P.I. Station         22+48.43  N        793,423.76  E       1,956,932.79
Delta      =    19° 28' 01.20" (LT)
Degree     =     1° 00' 00.00"
Tangent    =          982.82
Length     =        1,946.70
Radius     =        5,729.58
External   =           83.68
Long Chord =        1,937.35
Mid. Ord.  =           82.48
P.C. Station        12+65.61  N        792,992.87  E       1,956,049.46
P.T. Station        32+12.31  N        794,124.41  E       1,957,622.02
C.C.                      N        798,142.43  E       1,953,537.47
Back       = N  63° 59' 47.47" E
Ahead      = N  44° 31' 46.27" E
Chord Bear = N  54° 15' 46.87" E
Course from PT SURVEY_I-20-1 to PC SURVEY_I-20-2 N 44° 31' 46.27" E Dist 8,724.25
                        Curve Data
                        *----------*
Curve SURVEY_I-20-2
P.I. Station        128+36.99  N        800,985.74  E       1,964,371.59
Delta      =    26° 31' 42.64" (RT)
Degree     =     1° 30' 00.00"
Tangent    =          900.43
Length     =        1,768.57
Radius     =        3,819.72
External   =          104.69
Long Chord =        1,752.81
Mid. Ord.  =          101.90
P.C. Station       119+36.56  N        800,343.83  E       1,963,740.14
P.T. Station       137+05.13  N        801,278.03  E       1,965,223.26
C.C.                      N        797,665.16  E       1,966,463.18
Back       = N  44° 31' 46.27" E
Ahead      = N  71° 03' 28.91" E
Chord Bear = N  57° 47' 37.59" E
Course from PT SURVEY_I-20-2 to PC SURVEY_I-20-3 N 71° 03' 28.91" E Dist 2,370.95
                        Curve Data
                        *----------*
Curve SURVEY_I-20-3
P.I. Station       169+14.22  N        802,319.73  E       1,968,258.56
Delta      =    19° 22' 11.42" (RT)
Degree     =     1° 10' 00.00"
Tangent    =          838.13
Length     =        1,660.27
Radius     =        4,911.07
External   =           71.01
Long Chord =        1,652.38
Mid. Ord.  =           69.99
P.C. Station       160+76.08  N        802,047.66  E       1,967,465.82
P.T. Station       177+36.35  N        802,313.47  E       1,969,096.67
C.C.                      N        797,402.54  E       1,969,060.00
Back       = N  71° 03' 28.91" E
Ahead      = S  89° 34' 19.66" E
Chord Bear = N  80° 44' 34.63" E
Course from PT SURVEY_I-20-3 to PC SURVEY_I-20-4 S 89° 34' 19.66" E Dist 895.72
                        Curve Data
                        *----------*
Curve SURVEY_I-20-4
P.I. Station       195+51.53  N        802,299.92  E       1,970,911.80
Delta      =    27° 04' 07.39" (LT)
Degree     =     1° 30' 00.00"
Tangent    =          919.46
Length     =        1,804.58
Radius     =        3,819.72
External   =          109.10
Long Chord =        1,787.85
Mid. Ord.  =          106.07
P.C. Station       186+32.07  N        802,306.78  E       1,969,992.37
P.T. Station       204+36.66  N        802,712.20  E       1,971,733.64
C.C.                      N        806,126.39  E       1,970,020.89
Back       = S  89° 34' 19.66" E
Ahead      = N  63° 21' 32.94" E
Chord Bear = N  76° 53' 36.64" E
Course from PT SURVEY_I-20-4 to XI209001 N 63° 21' 32.94" E Dist 1,520.24
Point XI209001        N      803,393.87 E    1,973,092.49 Sta     219+56.90
==========================================================
Ending chain SURVEY_I-20_R1 description
```

SURVEY_I-20_R2

Beginning chain SURVEY_I-20_R2 description

```
Point XI209002        N      803,393.87 E    1,973,092.50 Sta     226+30.00
Course from XI209002 to XI209003 N 63° 21' 32.94" E Dist 4,870.00
Point XI209003        N      805,577.56 E    1,977,445.47 Sta     275+00.00
==========================================================
Ending chain SURVEY_I-20_R2 description
```

SURVEY_I-126

Beginning chain SURVEY_I-126 description

```
Point XI267000        N      793,140.61 E    1,975,950.82 Sta     143+90.10
Course from XI267000 to PC SURV_I-126-1 N 63° 54' 40.31" W Dist 3,723.22
                        Curve Data
                        *----------*
Curve SURV_I-126-1
P.I. Station       190+08.65  N        795,171.68  E       1,971,802.84
Delta      =    26° 40' 38.12" (RT)
Degree     =     1° 31' 02.38"
Tangent    =          895.32
Length     =        1,758.17
Radius     =        3,776.10
External   =          104.69
Long Chord =        1,742.34
Mid. Ord.  =          101.87
P.C. Station       181+13.32  N        794,777.95  E       1,972,606.94
P.T. Station       198+71.50  N        795,884.51  E       1,971,261.11
C.C.                      N        798,169.32  E       1,974,267.53
Back       = N  63° 54' 40.31" W
Ahead      = N  37° 14' 02.19" W
Chord Bear = N  50° 34' 21.25" W
Course from PT SURV_I-126-1 to PC SURV_I-126-2 N 37° 14' 02.19" W Dist 3,416.14
                        Curve Data
                        *----------*
Curve SURV_I-126-2
P.I. Station       237+30.95  N        798,957.29  E       1,968,925.87
Delta      =     4° 31' 26.04" (LT)
Degree     =     0° 30' 37.81"
Tangent    =          443.31
Length     =          886.17
Radius     =       11,223.40
External   =            8.75
Long Chord =          885.94
Mid. Ord.  =            8.74
P.C. Station       232+87.63  N        798,604.34  E       1,969,194.10
P.T. Station       241+73.80  N        799,287.99  E       1,968,630.63
C.C.                      N        791,813.39  E       1,960,258.35
Back       = N  37° 14' 02.19" W
Ahead      = N  41° 45' 28.22" W
Chord Bear = N  39° 29' 45.20" W
==========================================================
Ending chain SURVEY_I-126 description
```

SURVEY_I-126FLY

Beginning chain SURVEY_I-126FLY description

```
Point XFLYI126000     N      796,279.10 E    1,971,013.07 Sta       5+12.59
Course from XFLYI126000 to PC SURV_I126FLY-1 N 33° 14' 05.72" W Dist 659.44
                        Curve Data
                        *----------*
Curve SURV_I126FLY-1
P.I. Station         12+97.05  N        796,935.25  E       1,970,583.13
Delta      =     2° 30' 00.04" (RT)
Degree     =     1° 00' 00.00"
Tangent    =          125.02
Length     =          250.00
Radius     =        5,729.58
External   =            1.36
Long Chord =          249.98
Mid. Ord.  =            1.36
P.C. Station        11+72.03  N        796,830.68  E       1,970,651.65
P.T. Station        14+22.03  N        797,042.71  E       1,970,519.23
C.C.                      N        799,970.91  E       1,975,444.04
Back       = N  33° 14' 05.72" W
Ahead      = N  30° 44' 05.69" W
Chord Bear = N  31° 59' 05.71" W
Course from PT SURV_I126FLY-1 to PC SURV_I126FLY-2 N 30° 44' 05.69" W Dist 281.98
                        Curve Data
                        *----------*
Curve SURV_I126FLY-2
P.I. Station         21+35.13  N        797,655.65  E       1,970,154.79
Delta      =    58° 52' 29.92" (LT)
Degree     =     7° 29' 59.99"
Tangent    =          431.12
Length     =          785.00
Radius     =          763.94
External   =          113.25
Long Chord =          750.92
Mid. Ord.  =           98.63
P.C. Station        17+04.01  N        797,285.08  E       1,970,375.12
P.T. Station        24+89.01  N        797,658.58  E       1,969,723.68
C.C.                      N        796,894.66  E       1,969,718.48
Back       = N  30° 44' 05.69" W
Ahead      = N  89° 36' 35.61" W
Chord Bear = N  60° 10' 20.65" W
                        Curve Data
                        *----------*
Curve SURV_I126FLY-3
P.I. Station         28+49.39  N        797,661.04  E       1,969,363.31
Delta      =    14° 20' 24.00" (LT)
Degree     =     2° 00' 00.00"
Tangent    =          360.38
Length     =          717.00
Radius     =        2,864.79
External   =           22.58
Long Chord =          715.13
Mid. Ord.  =           22.40
P.C. Station        24+89.01  N        797,658.58  E       1,969,723.68
P.T. Station        32+06.01  N        797,574.16  E       1,969,013.56
C.C.                      N        794,793.86  E       1,969,704.18
Back       = N  89° 36' 35.61" W
Ahead      = S  76° 03' 00.39" W
Chord Bear = S  83° 13' 12.39" W
                        Curve Data
                        *----------*
Curve SURV_I126FLY-4
P.I. Station         36+42.46  N        797,468.94  E       1,968,589.97
Delta      =    59° 28' 48.01" (LT)
Degree     =     7° 29' 59.99"
Tangent    =          436.45
Length     =          793.07
Radius     =          763.94
External   =          115.89
Long Chord =          757.93
Mid. Ord.  =          100.62
P.C. Station        32+06.01  N        797,574.16  E       1,969,013.56
P.T. Station        39+99.08  N        797,050.61  E       1,968,465.50
C.C.                      N        796,832.74  E       1,969,197.72
Back       = S  76° 03' 00.39" W
Ahead      = S  16° 34' 12.38" W
Chord Bear = S  46° 18' 36.38" W
Course from PT SURV_I126FLY-4 to XFLYI126001 S 16° 34' 12.38" W Dist 1,137.55

Point XFLYI126001     N      795,960.30 E    1,968,141.09 Sta      51+36.63
==========================================================
Ending chain SURVEY_I-126FLY description
```

TRACT(S)	ISSUED FOR	DATE
N/A	SHEET RELEASED	09-30-2019

TRACT(S)	ISSUED FOR	DATE

PLANS PREPARED BY

HDR STV

PLANS PREPARED FOR

SCDOT
South Carolina Department of Transportation

0 100 200 400

CAROLINA CROSSROADS

REFERENCE DATA SHEET
EXISTING ALIGNMENTS

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROAD/ROUTE NO.	SHEET NO.
3	S.C.	LEXINGTON/RICHLAND	P027662	I-26/I-20/I-126	5XX

LINEF

Beginning chain LINEF description

Point LINEF001 N 801,179.6727 E 1,964,834.1081 Sta 133+10.00

Course from LINEF001 to PC LINEF-1 N 62° 08' 05.06" E Dist 328.0637

Curve Data

Curve LINEF-1
P.I. Station 147+59.00 N 801,856.9287 E 1,966,115.0996
Delta = 93° 35' 33.44" (LT)
Degree = 5° 26' 32.59"
Tangent = 1,120.9410
Length = 1,719.6984
Radius = 1,052.7695
External = 485.0317
Long Chord = 1,534.7791
Mid. Ord. = 332.0498
P.C. Station 136+38.06 N 801,333.0077 E 1,965,124.1326
P.T. Station 153+57.76 N 802,813.1183 E 1,965,530.1122
C.C. N 802,263.7077 E 1,964,632.0745
Back = N 62° 08' 05.06" E
Ahead = N 31° 27' 28.39" W
Chord Bear = N 15° 20' 18.33" E

Ending chain LINEF description

I26WB_I20EB

Beginning chain I26WB_I20EB description

Curve Data

Curve I26WB_I20EB-1
P.I. Station 14+22.90 N 800,920.3161 E 1,967,362.5242
Delta = 47° 46' 22.66" (RT)
Degree = 5° 59' 59.99"
Tangent = 422.8972
Length = 796.2163
Radius = 954.9300
External = 89.4518
Long Chord = 773.3517
Mid. Ord. = 81.7902
P.C. Station 10+00.00 N 800,604.7865 E 1,967,644.0968
P.T. Station 17+96.22 N 801,340.8751 E 1,967,406.9335
C.C. N 801,240.5960 E 1,968,356.5836
Back = N 41° 44' 42.38" W
Ahead = N 6° 01' 40.28" E
Chord Bear = N 17° 51' 31.05" W

Curve Data

Curve I26WB_I20EB-2
P.I. Station 19+67.58 N 801,511.2952 E 1,967,424.9291
Delta = 10° 15' 16.55" (RT)
Degree = 3° 00' 00.00"
Tangent = 171.3677
Length = 341.8200
Radius = 1,909.8600
External = 7.6728
Long Chord = 341.3640
Mid. Ord. = 7.6421
P.C. Station 17+96.22 N 801,340.8751 E 1,967,406.9335
P.T. Station 21+38.04 N 801,675.7896 E 1,967,472.9760
C.C. N 801,140.3169 E 1,969,306.2338
Back = N 6° 01' 40.28" E
Ahead = N 16° 16' 56.83" E
Chord Bear = N 11° 09' 18.55" E

Curve Data

Curve I26WB_I20EB-3
P.I. Station 25+07.47 N 802,030.4091 E 1,967,576.5561
Delta = 60° 15' 14.68" (RT)
Degree = 8° 59' 59.99"
Tangent = 369.4372
Length = 669.4900
Radius = 636.6200
External = 99.4295
Long Chord = 639.0633
Mid. Ord. = 85.9980
P.C. Station 21+38.04 N 801,675.7896 E 1,967,472.9760
P.T. Station 28+07.53 N 802,116.4235 E 1,967,935.8406
C.C. N 801,497.2987 E 1,968,084.0619
Back = N 16° 16' 56.83" E
Ahead = N 76° 32' 11.51" E
Chord Bear = N 46° 24' 34.17" E

Ending chain I26WB_I20EB description

I20EB_I26EB

Beginning chain I20EB_I26EB description

Point XEBI2026000 N 801,245.6876 E 1,965,338.7451 Sta 8+80.38

Course from XEBI2026000 to PC I20EB_I26EB-1 N 73° 34' 40.38" E Dist 291.7700

Curve Data

Curve I20EB_I26EB-1
P.I. Station 13+10.14 N 801,367.1861 E 1,965,750.9742
Delta = 10° 09' 06.27" (RT)
Degree = 3° 41' 17.00"
Tangent = 137.9912
Length = 275.2600
Radius = 1,553.5500
External = 6.1164
Long Chord = 274.9001
Mid. Ord. = 6.0924
P.C. Station 11+72.15 N 801,328.1744 E 1,965,618.6123
P.T. Station 14+47.41 N 801,382.2576 E 1,965,888.1398
C.C. N 799,838.0016 E 1,966,057.8192
Back = N 73° 34' 40.38" E
Ahead = N 83° 43' 46.64" E
Chord Bear = N 78° 39' 13.51" E

Curve Data

Curve I20EB_I26EB-2
P.I. Station 17+44.48 N 801,414.7037 E 1,966,183.4324
Delta = 19° 07' 47.26" (RT)
Degree = 3° 14' 59.98"
Tangent = 297.0698
Length = 588.6100
Radius = 1,762.9500
External = 24.8540
Long Chord = 585.8799
Mid. Ord. = 24.5085
P.C. Station 14+47.41 N 801,382.2576 E 1,965,888.1398
P.T. Station 20+36.02 N 801,348.5879 E 1,966,473.0514
C.C. N 799,629.8543 E 1,966,080.6899
Back = N 83° 43' 46.64" E
Ahead = S 77° 08' 26.10" E
Chord Bear = S 86° 42' 19.73" E

Curve Data

Curve I20EB_I26EB-3
P.I. Station 21+63.29 N 801,320.2638 E 1,966,597.1250
Delta = 27° 27' 37.58" (RT)
Degree = 11° 00' 00.05"
Tangent = 127.2655
Length = 249.6400
Radius = 520.8700
External = 15.3222
Long Chord = 247.2575
Mid. Ord. = 14.8843
P.C. Station 20+36.02 N 801,348.5879 E 1,966,473.0514
P.T. Station 22+85.66 N 801,237.9161 E 1,966,694.1578
C.C. N 800,840.7818 E 1,966,357.1268
Back = S 77° 08' 26.10" E
Ahead = S 49° 40' 48.53" E
Chord Bear = S 63° 24' 37.32" E

Curve Data

Curve I20EB_I26EB-4
P.I. Station 26+25.51 N 801,018.0131 E 1,966,953.2765
Delta = 6° 47' 20.75" (RT)
Degree = 1° 00' 00.00"
Tangent = 339.8527
Length = 678.9100
Radius = 5,729.5800
External = 10.0704
Long Chord = 678.5129
Mid. Ord. = 10.0527
P.C. Station 22+85.66 N 801,237.9161 E 1,966,694.1578
P.T. Station 29+64.57 N 800,769.0202 E 1,967,184.5825
C.C. N 796,869.4313 E 1,962,986.8101
Back = S 49° 40' 48.53" E
Ahead = S 42° 53' 27.78" E
Chord Bear = S 46° 17' 08.15" E
Course from PT I20EB_I26EB-4 to XEBI2026001 S 42° 53' 27.78" E Dist 1,300.2600
Point XEBI2026001 N 799,816.3857 E 1,968,069.5478 Sta 42+64.83

Ending chain I20EB_I26EB description

BSHRIVERRAMPA

Beginning chain BSHRIVERRAMPA description

Curve Data

Curve BSHRIVERRAMPA-1
P.I. Station 12+08.21 N 799,375.5396 E 1,969,090.2613
Delta = 24° 35' 59.98" (RT)
Degree = 5° 59' 59.99"
Tangent = 208.2084
Length = 410.0000
Radius = 954.9300
External = 22.4348
Long Chord = 406.8581
Mid. Ord. = 21.9199
P.C. Station 10+00.00 N 799,352.6590 E 1,969,297.2087
P.T. Station 14+10.00 N 799,482.4915 E 1,968,911.6220
C.C. N 800,301.8055 E 1,969,402.1483
Back = N 83° 41' 27.18" W
Ahead = N 59° 05' 27.20" W
Chord Bear = N 71° 23' 27.19" W
Course from PT BSHRIVERRAMPA-1 to PC BSHRIVERRAMPA-2 N 59° 05' 27.20" W Dist 506.8100

Curve Data

Curve BSHRIVERRAMPA-2
P.I. Station 20+75.72 N 799,824.4548 E 1,968,340.4493
Delta = 17° 20' 45.33" (RT)
Degree = 5° 30' 00.03"
Tangent = 158.9055
Length = 315.3800
Radius = 1,041.7400
External = 12.0499
Long Chord = 314.1770
Mid. Ord. = 11.9121
P.C. Station 19+16.81 N 799,742.8285 E 1,968,476.7876
P.T. Station 22+32.19 N 799,943.0167 E 1,968,234.6474
C.C. N 800,636.6240 E 1,969,011.9061
Back = N 59° 05' 27.20" W
Ahead = N 41° 44' 41.88" W
Chord Bear = N 50° 25' 04.54" W

Ending chain BSHRIVERRAMPA description

BUSH_RIVER2

Beginning chain BUSH_RIVER2 description

Point BUSHRIVER25 N 799,317.6577 E 1,970,217.0089 Sta 36+02.70

Course from BUSHRIVER25 to PC BUSH_RIVER2-1 S 87° 33' 17.48" W Dist 431.0000

Curve Data

Curve BUSH_RIVER2-1
P.I. Station 42+53.05 N 799,289.9120 E 1,969,567.2522
Delta = 8° 45' 24.72" (RT)
Degree = 2° 00' 00.00"
Tangent = 219.3488
Length = 437.8434
Radius = 2,864.7890
External = 8.3852
Long Chord = 437.4173
Mid. Ord. = 8.3607
P.C. Station 40+33.70 N 799,299.2700 E 1,969,786.4013
P.T. Station 44+71.54 N 799,314.0267 E 1,969,349.2329
C.C. N 802,161.4507 E 1,969,664.1812
Back = S 87° 33' 17.48" W
Ahead = N 83° 41' 17.80" W
Chord Bear = N 88° 04' 00.16" W
Course from PT BUSH_RIVER2-1 to PC BUSH_RIVER2-2 N 83° 41' 17.80" W Dist 195.5276

Curve Data

Curve BUSH_RIVER2-2
P.I. Station 48+78.53 N 799,358.7696 E 1,968,944.7152
Delta = 4° 13' 38.00" (RT)
Degree = 1° 00' 00.00"
Tangent = 211.4570
Length = 422.7222
Radius = 5,729.5780
External = 3.9007
Long Chord = 422.6264
Mid. Ord. = 3.8981
P.C. Station 46+67.07 N 799,335.5225 E 1,969,154.8905
P.T. Station 50+89.79 N 799,397.4459 E 1,968,736.8253
C.C. N 805,030.3706 E 1,969,784.7869
Back = N 83° 41' 17.80" W
Ahead = N 79° 27' 39.80" W
Chord Bear = N 81° 34' 28.80" W
Course from PT BUSH_RIVER2-2 to PC BUSH_RIVER2-3 N 79° 27' 39.80" W Dist 456.9433

Curve Data

Curve BUSH_RIVER2-3
P.I. Station 56+41.01 N 799,498.2647 E 1,968,194.9118
Delta = 1° 53' 06.73" (RT)
Degree = 1° 00' 00.00"
Tangent = 94.2686
Length = 188.5203
Radius = 5,729.5780
External = 0.7754
Long Chord = 188.5118
Mid. Ord. = 0.7753
P.C. Station 55+46.74 N 799,481.0226 E 1,968,287.5902
P.T. Station 57+35.26 N 799,518.5463 E 1,968,102.8508
C.C. N 805,113.9473 E 1,969,335.5519
Back = N 79° 27' 39.80" W
Ahead = N 77° 34' 33.07" W
Chord Bear = N 78° 31' 06.43" W
Course from PT BUSH_RIVER2-3 to PC BUSH_RIVER2-4 N 77° 34' 33.07" W Dist 587.8893

Curve Data

Curve BUSH_RIVER2-4
P.I. Station 65+72.81 N 799,698.7437 E 1,967,284.9098
Delta = 22° 11' 18.21" (LT)
Degree = 4° 29' 59.99"
Tangent = 249.6658
Length = 493.0756
Radius = 1,273.2400
External = 24.2472
Long Chord = 490.0002
Mid. Ord. = 23.7941
P.C. Station 63+23.15 N 799,645.0289 E 1,967,528.7289
P.T. Station 68+16.22 N 799,656.4018 E 1,967,038.8606
C.C. N 798,401.6060 E 1,967,254.7952
Back = N 77° 34' 33.07" W
Ahead = S 80° 14' 08.72" W
Chord Bear = N 88° 40' 12.18" W
Course from PT BUSH_RIVER2-4 to BUSHRIVER26 S 80° 14' 08.72" W Dist 310.6117
Point BUSHRIVER26 N 799,603.7237 E 1,966,732.7484 Sta 71+26.83

Ending chain BUSH_RIVER2 description

BSHRIVERRAMPB

Beginning chain BSHRIVERRAMPB description

Curve Data

Curve BSHRIVERRAMPB-1
P.I. Station 11+85.84 N 800,871.1106 E 1,966,974.2167
Delta = 25° 35' 04.10" (RT)
Degree = 7° 00' 00.03"
Tangent = 185.8443
Length = 365.4919
Radius = 818.5100
External = 20.8330
Long Chord = 362.4630
Mid. Ord. = 20.3159
P.C. Station 10+00.00 N 800,945.0205 E 1,966,803.7015
P.T. Station 13+65.49 N 800,730.8122 E 1,967,096.0955
C.C. N 800,194.0240 E 1,966,478.1821
Back = S 66° 33' 56.45" E
Ahead = S 40° 58' 52.35" E
Chord Bear = S 53° 46' 24.40" E
Course from PT BSHRIVERRAMPB-1 to PC BSHRIVERRAMPB-2 S 40° 58' 52.35" E Dist 899.2600

Curve Data

Curve BSHRIVERRAMPB-2
P.I. Station 24+34.39 N 799,923.8754 E 1,967,797.0904
Delta = 45° 01' 39.76" (RT)
Degree = 13° 59' 59.45"
Tangent = 169.6370
Length = 321.6300
Radius = 409.2600
External = 33.7642
Long Chord = 313.4169
Mid. Ord. = 31.1909
P.C. Station 22+64.75 N 800,051.9386 E 1,967,685.8405
P.T. Station 25+86.38 N 799,754.6613 E 1,967,785.1198
C.C. N 799,783.5412 E 1,967,376.8800
Back = S 40° 58' 52.35" E
Ahead = S 4° 02' 47.42" W
Chord Bear = S 18° 28' 02.47" E
Course from PT BSHRIVERRAMPB-2 to BSHRIVERRAMPB03 S 4° 02' 47.42" W Dist 163.9765
Point BSHRIVERRAMPB03 N 799,591.0936 E 1,967,773.5486 Sta 27+50.36

Ending chain BSHRIVERRAMPB description

BSHRIVERDW1

Beginning chain BSHRIVERDW1 description

Point BSHRIVERDW100 N 799,586.2258 E 1,967,797.2648 Sta 10+00.00

Course from BSHRIVERDW100 to PC BSHRIVERDW1-1 S 4° 02' 50.45" W Dist 59.2600

Curve Data

Curve BSHRIVERDW1-1
P.I. Station 11+09.34 N 799,477.1571 E 1,967,789.5474
Delta = 7° 59' 59.89" (LT)
Degree = 7° 59' 59.89"
Tangent = 50.0814
Length = 100.0000
Radius = 716.2000
External = 1.7489
Long Chord = 99.9188
Mid. Ord. = 1.7446
P.C. Station 10+59.26 N 799,527.1136 E 1,967,793.0822
P.T. Station 11+59.26 N 799,427.1948 E 1,967,792.9996
C.C. N 799,476.5636 E 1,968,507.4961
Back = S 4° 02' 50.45" W
Ahead = S 3° 57' 09.44" E
Chord Bear = S 0° 02' 50.50" W
Course from PT BSHRIVERDW1-1 to BSHRIVERDW101 S 3° 57' 09.44" E Dist 40.5800
Point BSHRIVERDW101 N 799,386.7113 E 1,967,795.7969 Sta 11+99.84

Ending chain BSHRIVERDW1 description

BSHRIVERDW2

Beginning chain BSHRIVERDW2 description

Point BSHRIVERDW200 N 799,427.1948 E 1,967,792.9996 Sta 10+00.00

Course from BSHRIVERDW200 to PC BSHRIVERDW2-1 N 86° 02' 50.56" E Dist 150.0100

Curve Data

Curve BSHRIVERDW2-1
P.I. Station 12+23.91 N 799,442.6293 E 1,968,016.3772
Delta = 33° 02' 48.04" (RT)
Degree = 23° 00' 00.69"
Tangent = 73.9001
Length = 143.6800
Radius = 249.1100
External = 10.7304
Long Chord = 141.6967
Mid. Ord. = 10.2873
P.C. Station 11+50.01 N 799,437.5352 E 1,967,942.6528
P.T. Station 12+93.69 N 799,406.6958 E 1,968,080.9528
C.C. N 799,189.0178 E 1,967,959.8244
Back = N 86° 02' 50.56" E
Ahead = S 60° 54' 21.41" E
Chord Bear = S 77° 25' 45.43" E
Course from PT BSHRIVERDW2-1 to BSHRIVERDW201 S 60° 54' 21.41" E Dist 25.0900
Point BSHRIVERDW201 N 799,394.4959 E 1,968,102.8770 Sta 13+18.78

Ending chain BSHRIVERDW2 description

TRACT(S)	ISSUED FOR	DATE
N/A	SHEET RELEASED	09/30/2019
N/A	UPDATED BUSH_RIVER2 and BSHRIVERRAMPB	12/06/2019
N/A	UPDATED BSHRIVERDW1	12/06/2019

TRACT(S)	ISSUED FOR	DATE

PLANS PREPARED BY

HDR STV

PLANS PREPARED FOR

SCDOT
South Carolina Department of Transportation

0 100 200 400

CAROLINA CROSSROADS

REFERENCE DATA SHEET
EXISTING ALIGNMENTS

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROAD/ROUTE NO.	SHEET NO.
3	S.C.	LEXINGTON/RICHLAND	P027662	I-26/I-20/I-126	5YY

MORNINGHILL1

Beginning chain MORNINGHILL1 description

Curve Data

Curve MORNINGHILL1-1
P.I. Station 11+31.01 N 798,251.7252 E 1,969,610.7289
Delta = 18° 26' 36.73" (RT)
Degree = 7° 06' 01.36"
Tangent = 131.0104
Length = 259.7543
Radius = 806.9400
External = 10.5659
Long Chord = 258.6343
Mid. Ord. = 10.4293
P.C. Station 10+00.00 N 798,142.1752 E 1,969,682.5795
P.T. Station 12+59.75 N 798,378.3797 E 1,969,577.2272
C.C. N 798,584.7289 E 1,970,357.3375
Back = N 33° 15' 34.86" W
Ahead = N 14° 48' 58.14" W
Chord Bear = N 24° 02' 16.50" W
Course from PT MORNINGHILL1-1 to PC MORNINGHILL1-2 N 14° 48' 58.14" W Dist 79.8088

Curve Data

Curve MORNINGHILL1-2
P.I. Station 14+51.31 N 798,563.5631 E 1,969,528.2437
Delta = 11° 08' 20.73" (RT)
Degree = 4° 59' 59.93"
Tangent = 111.7435
Length = 222.7827
Radius = 1,145.9200
External = 5.4354
Long Chord = 222.4320
Mid. Ord. = 5.4097
P.C. Station 13+39.56 N 798,455.5349 E 1,969,556.8186
P.T. Station 15+62.35 N 798,675.0766 E 1,969,521.0773
C.C. N 798,748.5676 E 1,970,664.6383
Back = N 14° 48' 58.14" W
Ahead = N 3° 40' 37.40" W
Chord Bear = N 9° 14' 47.77" W
Course from PT MORNINGHILL1-2 to PC MORNINGHILL1-3 N 3° 40' 37.40" W Dist 245.7629

Curve Data

Curve MORNINGHILL1-3
P.I. Station 18+48.53 N 798,960.6765 E 1,969,502.7233
Delta = 56° 39' 02.44" (LT)
Degree = 76° 23' 39.74"
Tangent = 40.4261
Length = 74.1556
Radius = 75.0000
External = 10.2014
Long Chord = 71.1716
Mid. Ord. = 8.9799
P.C. Station 18+08.11 N 798,920.3336 E 1,969,505.3159
P.T. Station 18+82.26 N 798,980.6890 E 1,969,467.5981
C.C. N 798,915.5237 E 1,969,430.4703
Back = N 3° 40' 37.40" W
Ahead = N 60° 19' 39.85" W
Chord Bear = N 32° 00' 08.63" W

Curve Data

Curve MORNINGHILL1-4
P.I. Station 19+10.50 N 798,994.6661 E 1,969,443.0661
Delta = 41° 15' 09.44" (RT)
Degree = 76° 22' 56.40"
Tangent = 28.2344
Length = 54.0081
Radius = 75.0118
External = 5.1378
Long Chord = 52.8490
Mid. Ord. = 4.8084
P.C. Station 18+82.26 N 798,980.6890 E 1,969,467.5981
P.T. Station 19+36.27 N 799,021.3502 E 1,969,433.8389
C.C. N 799,045.8646 E 1,969,504.7319
Back = N 60° 19' 39.85" W
Ahead = N 19° 04' 30.41" W
Chord Bear = N 39° 42' 05.13" W

Ending chain MORNINGHILL1 description

LINE70B

Beginning chain LINE70B description

Curve Data

Curve LINE70B-1
P.I. Station 42+96.76 N 799,377.1012 E 1,968,358.3509
Delta = 33° 03' 56.09" (RT)
Degree = 7° 30' 00.13"
Tangent = 226.7650
Length = 440.8723
Radius = 763.9400
External = 32.9456
Long Chord = 434.7797
Mid. Ord. = 31.5835
P.C. Station 40+70.00 N 799,546.2935 E 1,968,207.3664
P.T. Station 45+10.87 N 799,152.9332 E 1,968,392.5718
C.C. N 799,037.6477 E 1,967,637.3807
Back = S 41° 44' 42.71" E
Ahead = S 8° 40' 46.62" E
Chord Bear = S 25° 12' 44.67" E
Course from PT LINE70B-1 to LINEB70001 S 8° 40' 46.62" E Dist 532.5003
Point LINEB70001 N 798,626.5313 E 1,968,472.9310 Sta 50+43.37

Ending chain LINE70B description

LINE79

Beginning chain LINE79 description

Curve Data

Curve LINE79-1
P.I. Station 12+71.89 N 799,361.3450 E 1,968,415.9715
Delta = 36° 45' 00.20" (RT)
Degree = 7° 00' 00.03"
Tangent = 271.8859
Length = 525.0001
Radius = 818.5100
External = 43.9751
Long Chord = 516.0467
Mid. Ord. = 41.7330
P.C. Station 10+00.00 N 799,564.2021 E 1,968,234.9442
P.T. Station 15+25.00 N 799,090.4918 E 1,968,439.6457
C.C. N 799,019.2209 E 1,967,624.2445
Back = S 41° 44' 43.27" E
Ahead = S 4° 59' 43.06" E
Chord Bear = S 23° 22' 13.17" E
Course from PT LINE79-1 to PC LINE79-2 S 4° 59' 43.06" E Dist 317.0400

Curve Data

Curve LINE79-2
P.I. Station 21+15.42 N 798,502.3136 E 1,968,491.0560
Delta = 13° 36' 17.13" (LT)
Degree = 2° 30' 00.00"
Tangent = 273.3807
Length = 544.1900
Radius = 2,291.8300
External = 16.2475
Long Chord = 542.9125
Mid. Ord. = 16.1331
P.C. Station 18+42.04 N 798,774.6559 E 1,968,467.2516
P.T. Station 23+86.23 N 798,243.2121 E 1,968,578.2535
C.C. N 798,974.2146 E 1,970,750.3769
Back = S 4° 59' 43.06" E
Ahead = S 18° 36' 00.19" E
Chord Bear = S 11° 47' 51.63" E
Course from PT LINE79-2 to LINE79001 S 18° 36' 00.19" E Dist 374.1700
Point LINE79001 N 797,888.5857 E 1,968,697.5988 Sta 27+60.40

Ending chain LINE79 description

I26EB_CONN

Beginning chain I26EB_CONN description

Curve Data

Curve I26EB_CONN-1
P.I. Station 246+90.21 N 799,317.3829 E 1,968,530.9272
Delta = 26° 02' 25.71" (RT)
Degree = 4° 00' 00.05"
Tangent = 331.2262
Length = 651.0099
Radius = 1,432.3900
External = 37.7977
Long Chord = 645.4212
Mid. Ord. = 36.8260
P.C. Station 243+58.98 N 799,564.5153 E 1,968,310.3906
P.T. Station 250+09.99 N 798,998.5214 E 1,968,620.5833
C.C. N 798,610.8033 E 1,967,241.6649
Back = S 41° 44' 42.58" E
Ahead = S 15° 42' 16.87" E
Chord Bear = S 28° 43' 29.73" E

Curve Data

Curve I26EB_CONN-2
P.I. Station 254+98.66 N 798,528.0907 E 1,968,752.8569
Delta = 9° 44' 59.45" (RT)
Degree = 0° 59' 59.99"
Tangent = 488.6731
Length = 974.9867
Radius = 5,729.5902
External = 20.8015
Long Chord = 973.8108
Mid. Ord. = 20.7263
P.C. Station 250+09.99 N 798,998.5214 E 1,968,620.5833
P.T. Station 259+84.98 N 798,042.0545 E 1,968,803.5541
C.C. N 797,447.6407 E 1,963,104.8809
Back = S 15° 42' 16.87" E
Ahead = S 5° 57' 17.42" E
Chord Bear = S 10° 49' 47.15" E

Curve Data

Curve I26EB_CONN-3
P.I. Station 263+39.39 N 797,689.5496 E 1,968,840.3230
Delta = 27° 47' 43.03" (RT)
Degree = 4° 00' 00.08"
Tangent = 354.4173
Length = 694.8783
Radius = 1,432.3865
External = 43.1957
Long Chord = 688.0844
Mid. Ord. = 41.9312
P.C. Station 259+84.98 N 798,042.0545 E 1,968,803.5541
P.T. Station 266+79.85 N 797,360.5712 E 1,968,708.4715
C.C. N 797,893.4522 E 1,967,378.8968
Back = S 5° 57' 17.42" E
Ahead = S 21° 50' 25.61" W
Chord Bear = S 7° 56' 34.09" W
Course from PT I26EB_CONN-3 to PC I26EB_CONN-4 S 21° 50' 25.61" W Dist 1,253.0709

Curve Data

Curve I26EB_CONN-4
P.I. Station 280+85.33 N 796,055.9734 E 1,968,185.6010
Delta = 0° 45' 43.29" (LT)
Degree = 0° 15' 00.00"
Tangent = 152.4072
Length = 304.8100
Radius = 22,918.3100
External = 0.5068
Long Chord = 304.8078
Mid. Ord. = 0.5067
P.C. Station 279+32.93 N 796,197.4414 E 1,968,242.3001
P.T. Station 282+37.74 N 795,913.7639 E 1,968,130.7885
C.C. N 787,671.2985 E 1,989,515.6125
Back = S 21° 50' 25.61" W
Ahead = S 21° 04' 42.32" W
Chord Bear = S 21° 27' 33.96" W
Course from PT I26EB_CONN-4 to PC I26EB_CONN-5 S 21° 04' 42.32" W Dist 2,214.5700

Curve Data

Curve I26EB_CONN-5
P.I. Station 308+10.77 N 793,512.8892 E 1,967,205.4067
Delta = 1° 47' 31.92" (RT)
Degree = 0° 15' 00.00"
Tangent = 358.4692
Length = 716.8800
Radius = 22,918.3100
External = 2.8033
Long Chord = 716.8508
Mid. Ord. = 2.8029
P.C. Station 304+52.31 N 793,847.3729 E 1,967,334.3285
P.T. Station 311+69.19 N 793,182.6011 E 1,967,066.0870
C.C. N 802,089.8383 E 1,945,949.5045
Back = S 21° 04' 42.32" W
Ahead = S 22° 52' 14.24" W
Chord Bear = S 21° 58' 28.28" W

Ending chain I26EB_CONN description

I26_RAMPC_I-126

Beginning chain I26_RAMPC_I-126 description

Point EXRAMPCI26001 N 797,266.1578 E 1,968,824.1676 Sta 10+00.00
Course from EXRAMPCI26001 to PC I26RAMPCI126-1 N 26° 47' 59.38" E Dist 333.4300

Curve Data

Curve I26RAMPCI126-1
P.I. Station 16+14.66 N 797,814.7965 E 1,969,101.3029
Delta = 86° 00' 16.09" (RT)
Degree = 18° 59' 59.26"
Tangent = 281.2312
Length = 452.6600
Radius = 301.5600
External = 110.7863
Long Chord = 411.3441
Mid. Ord. = 81.0210
P.C. Station 13+33.43 N 797,563.7731 E 1,968,974.5028
P.T. Station 17+86.09 N 797,705.7956 E 1,969,360.5514
C.C. N 797,427.8073 E 1,969,243.6714
Back = N 26° 47' 59.38" E
Ahead = S 67° 11' 44.54" E
Chord Bear = N 69° 48' 07.42" E

Curve Data

Curve I26RAMPCI126-2
P.I. Station 22+88.30 N 797,511.1477 E 1,969,823.5033
Delta = 29° 27' 55.40" (RT)
Degree = 3° 00' 00.00"
Tangent = 502.2074
Length = 982.1800
Radius = 1,909.8600
External = 64.9254
Long Chord = 971.3924
Mid. Ord. = 62.7909
P.C. Station 17+86.09 N 797,705.7956 E 1,969,360.5514
P.T. Station 27+68.27 N 797,113.9519 E 1,970,130.8269
C.C. N 795,945.2215 E 1,968,620.3189
Back = S 67° 11' 44.54" E
Ahead = S 37° 43' 49.14" E
Chord Bear = S 52° 27' 46.84" E

Curve Data

Curve I26RAMPCI126-3
P.I. Station 37+85.74 N 796,309.2329 E 1,970,753.4649
Delta = 5° 05' 02.49" (LT)
Degree = 0° 15' 00.00"
Tangent = 1,017.4727
Length = 2,033.6100
Radius = 22,918.3100
External = 22.5745
Long Chord = 2,032.9429
Mid. Ord. = 22.5523
P.C. Station 27+68.27 N 797,113.9519 E 1,970,130.8269
P.T. Station 48+01.88 N 795,562.8559 E 1,971,444.9647
C.C. N 811,138.7107 E 1,988,256.9151
Back = S 37° 43' 49.14" E
Ahead = S 42° 48' 51.63" E
Chord Bear = S 40° 16' 20.38" E

Ending chain I26_RAMPC_I-126 description

LAWAND

Beginning chain LAWAND description

Curve Data

Curve LAWAND-1
P.I. Station 10+44.70 N 796,941.0169 E 1,970,819.5842
Delta = 48° 10' 04.91" (LT)
Degree = 57° 17' 44.81"
Tangent = 44.6987
Length = 84.0691
Radius = 100.0000
External = 9.5353
Long Chord = 81.6152
Mid. Ord. = 8.7052
P.C. Station 10+00.00 N 796,902.5146 E 1,970,842.2898
P.T. Station 10+84.07 N 796,949.7780 E 1,970,775.7525
C.C. N 796,851.7176 E 1,970,756.1523
Back = N 30° 31' 43.23" W
Ahead = N 78° 41' 48.14" W
Chord Bear = N 54° 36' 45.68" W
Course from PT LAWAND-1 to PC LAWAND-2 N 78° 41' 48.14" W Dist 74.5897

Curve Data

Curve LAWAND-2
P.I. Station 12+12.03 N 796,974.8583 E 1,970,650.2753
Delta = 47° 57' 13.86" (RT)
Degree = 47° 44' 47.34"
Tangent = 53.3695
Length = 100.4343
Radius = 120.0000
External = 11.3328
Long Chord = 97.5285
Mid. Ord. = 10.3549
P.C. Station 11+58.66 N 796,964.3977 E 1,970,702.6096
P.T. Station 12+59.09 N 797,020.7278 E 1,970,622.9935
C.C. N 797,082.0701 E 1,970,726.1299
Back = N 78° 41' 48.14" W
Ahead = N 30° 44' 34.28" W
Chord Bear = N 54° 43' 11.21" W
Course from PT LAWAND-2 to PC LAWAND-3 N 30° 44' 34.28" W Dist 376.7568

Curve Data

Curve LAWAND-3
P.I. Station 16+98.10 N 797,398.0413 E 1,970,398.5793
Delta = 24° 31' 07.81" (LT)
Degree = 19° 59' 59.72"
Tangent = 62.2502
Length = 122.5947
Radius = 286.4800
External = 6.6853
Long Chord = 121.6614
Mid. Ord. = 6.5328
P.C. Station 16+35.85 N 797,344.5391 E 1,970,430.4007
P.T. Station 17+58.44 N 797,433.5133 E 1,970,347.4243
C.C. N 797,198.0945 E 1,970,184.1797
Back = N 30° 44' 34.28" W
Ahead = N 55° 15' 42.10" W
Chord Bear = N 43° 00' 08.19" W
Course from PT LAWAND-3 to PC LAWAND-4 N 55° 15' 42.10" W Dist 174.5142

Curve Data

Curve LAWAND-4
P.I. Station 19+87.08 N 797,563.7961 E 1,970,159.5406
Delta = 35° 19' 06.36" (RT)
Degree = 33° 42' 12.24"
Tangent = 54.1206
Length = 104.7919
Radius = 170.0000
External = 8.4070
Long Chord = 103.1407
Mid. Ord. = 8.0108
P.C. Station 19+32.96 N 797,532.9566 E 1,970,204.0149
P.T. Station 20+37.75 N 797,614.6711 E 1,970,141.0806
C.C. N 797,672.6563 E 1,970,300.8859
Back = N 55° 15' 42.10" W
Ahead = N 19° 56' 35.74" W
Chord Bear = N 37° 36' 08.92" W

Curve Data

Curve LAWAND-5
P.I. Station 21+09.04 N 797,681.6844 E 1,970,116.7649
Delta = 19° 57' 23.40" (RT)
Degree = 14° 08' 24.96"
Tangent = 71.2884
Length = 141.1324
Radius = 405.1959
External = 6.2233
Long Chord = 140.4201
Mid. Ord. = 6.1292
P.C. Station 20+37.75 N 797,614.6711 E 1,970,141.0806
P.T. Station 21+78.88 N 797,752.9728 E 1,970,116.7814
C.C. N 797,752.8791 E 1,970,521.9773
Back = N 19° 56' 35.74" W
Ahead = N 0° 00' 47.66" E
Chord Bear = N 9° 57' 54.04" W
Course from PT LAWAND-5 to LAWAND002 N 2° 50' 46.91" W Dist 326.1855
Point LAWAND002 N 798,078.7558 E 1,970,100.5837 Sta 25+05.07

Ending chain LAWAND description

TRACT(S)	ISSUED FOR	DATE
N/A	SHEET RELEASED	09-30-2019

TRACT(S)	ISSUED FOR	DATE

PLANS PREPARED BY

HDR STV

PLANS PREPARED FOR

SCDOT
South Carolina Department of Transportation

0 100 200 400

CAROLINA CROSSROADS

REFERENCE DATA SHEET
EXISTING ALIGNMENTS

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROAD/ROUTE NO.	SHEET NO.
3	S.C.	LEXINGTON/RICHLAND	P027662	I-26/I-20/I-126	5ZZ

EXRAILROAD

Beginning chain EXRAILROAD description

Point EXRAILROAD1 N 792,188.3006 E 1,977,903.9780 Sta 110+25.88
Course from EXRAILROAD1 to PC EXRAILROAD-1 N 89° 44' 53.62" W Dist 457.0100

Curve Data

Curve EXRAILROAD-1
P.I. Station 122+24.27 N 792,193.5666 E 1,976,705.5971
Delta = 42° 25' 52.00" (RT)
Degree = 3° 00' 00.00"
Tangent = 741.3825
Length = 1,414.3709
Radius = 1,909.8600
External = 138.8501
Long Chord = 1,382.2714
Mid. Ord. = 129.4396
P.C. Station 114+82.89 N 792,190.3088 E 1,977,446.9724
P.T. Station 128+97.26 N 792,696.1795 E 1,976,160.5941
C.C. N 794,100.1504 E 1,977,455.3648
Back = N 89° 44' 53.62" W
Ahead = N 47° 19' 01.62" W
Chord Bear = N 68° 31' 57.62" W
Course from PT EXRAILROAD-1 to PC EXRAILROAD-2 N 47° 19' 01.62" W Dist 185.4727

Curve Data

Curve EXRAILROAD-2
P.I. Station 131+32.73 N 792,855.8160 E 1,975,987.4940
Delta = 1° 30' 00.25" (LT)
Degree = 1° 30' 00.54"
Tangent = 50.0002
Length = 99.9946
Radius = 3,819.3373
External = 0.3273
Long Chord = 99.9918
Mid. Ord. = 0.3272
P.C. Station 130+82.73 N 792,821.9189 E 1,976,024.2499
P.T. Station 131+82.73 N 792,888.7393 E 1,975,949.8632
C.C. N 790,014.2584 E 1,973,434.9681
Back = N 47° 19' 01.62" W
Ahead = N 48° 49' 01.87" W
Chord Bear = N 48° 04' 01.75" W

Curve Data

Curve EXRAILROAD-3
P.I. Station 135+22.82 N 793,112.6806 E 1,975,693.9022
Delta = 13° 31' 59.59" (LT)
Degree = 1° 59' 56.10"
Tangent = 340.0967
Length = 677.0281
Radius = 2,866.3429
External = 20.1060
Long Chord = 675.4553
Mid. Ord. = 19.9660
P.C. Station 131+82.73 N 792,888.7393 E 1,975,949.8632
P.T. Station 138+59.76 N 793,270.5069 E 1,975,392.6438
C.C. N 790,731.4939 E 1,974,062.4804
Back = N 48° 49' 01.87" W
Ahead = N 62° 21' 01.47" W
Chord Bear = N 55° 35' 01.67" W

Curve Data

Curve EXRAILROAD-4
P.I. Station 139+34.58 N 793,305.2316 E 1,975,326.3613
Delta = 2° 00' 00.42" (LT)
Degree = 1° 20' 11.82"
Tangent = 74.8276
Length = 149.6401
Radius = 4,286.6237
External = 0.6530
Long Chord = 149.6325
Mid. Ord. = 0.6529
P.C. Station 138+59.76 N 793,270.5069 E 1,975,392.6438
P.T. Station 140+09.40 N 793,337.6218 E 1,975,258.9073
C.C. N 789,473.4060 E 1,973,403.3807
Back = N 62° 21' 01.47" W
Ahead = N 64° 21' 01.88" W
Chord Bear = N 63° 21' 01.67" W
Course from PT EXRAILROAD-4 to PC EXRAILROAD-5 N 63° 51' 01.94" W Dist 1,158.2802

Curve Data

Curve EXRAILROAD-5
P.I. Station 152+27.65 N 793,874.5245 E 1,974,165.3433
Delta = 0° 18' 00.07" (LT)
Degree = 0° 15' 00.43"
Tangent = 59.9754
Length = 119.9506
Radius = 22,907.3415
External = 0.0785
Long Chord = 119.9504
Mid. Ord. = 0.0785
P.C. Station 151+67.68 N 793,848.0924 E 1,974,219.1800
P.T. Station 152+87.63 N 793,900.6743 E 1,974,111.3689
C.C. N 773,285.3893 E 1,964,123.5604
Back = N 63° 51' 01.66" W
Ahead = N 64° 09' 01.73" W
Chord Bear = N 64° 00' 01.69" W

Curve Data

Curve EXRAILROAD-6
P.I. Station 156+21.77 N 794,046.3644 E 1,973,810.6580
Delta = 5° 30' 26.81" (LT)
Degree = 0° 49' 29.09"
Tangent = 334.1446
Length = 667.7746
Radius = 6,947.0793
External = 8.0313
Long Chord = 667.5176
Mid. Ord. = 8.0220
P.C. Station 152+87.63 N 793,900.6743 E 1,974,111.3689
P.T. Station 159+55.40 N 794,162.5212 E 1,973,497.3526
C.C. N 787,648.7040 E 1,971,082.3793
Back = N 64° 09' 01.73" W
Ahead = N 69° 39' 28.54" W
Chord Bear = N 66° 54' 15.13" W

Curve Data

Curve EXRAILROAD-7
P.I. Station 160+15.38 N 794,183.3702 E 1,973,441.1173
Delta = 0° 18' 00.17" (LT)
Degree = 0° 15' 00.50"
Tangent = 59.9758
Length = 119.9514
Radius = 22,905.5202
External = 0.0785
Long Chord = 119.9512
Mid. Ord. = 0.0785
P.C. Station 159+55.40 N 794,162.5212 E 1,973,497.3526
P.T. Station 160+75.35 N 794,203.9245 E 1,973,384.7735
C.C. N 772,685.5284 E 1,965,534.8381
Back = N 69° 39' 28.54" W
Ahead = N 69° 57' 28.70" W
Chord Bear = N 69° 48' 28.62" W
Course from PT EXRAILROAD-7 to PC EXRAILROAD-8 N 69° 57' 28.70" W Dist 901.4440

Curve Data

Curve EXRAILROAD-8
P.I. Station 170+76.80 N 794,547.1291 E 1,972,443.9742
Delta = 1° 20' 00.04" (RT)
Degree = 0° 40' 00.10"
Tangent = 100.0013
Length = 199.9937
Radius = 8,594.0189
External = 0.5818
Long Chord = 199.9892
Mid. Ord. = 0.5818
P.C. Station 169+76.80 N 794,512.8577 E 1,972,537.9196
P.T. Station 171+76.79 N 794,583.5773 E 1,972,350.8517
C.C. N 802,586.4357 E 1,975,483.1701
Back = N 69° 57' 28.70" W
Ahead = N 68° 37' 28.66" W
Chord Bear = N 69° 17' 28.68" W

Curve Data

Curve EXRAILROAD-9
P.I. Station 181+41.00 N 794,945.4309 E 1,971,457.1204
Delta = 37° 12' 12.66" (RT)
Degree = 2° 00' 00.00"
Tangent = 964.2063
Length = 1,860.1766
Radius = 2,864.7900
External = 157.9100
Long Chord = 1,827.6696
Mid. Ord. = 149.6606
P.C. Station 171+76.79 N 794,583.5773 E 1,972,350.8517
P.T. Station 190+36.97 N 795,774.0376 E 1,970,964.0639
C.C. N 797,238.9765 E 1,973,425.9688
Back = N 67° 57' 28.71" W
Ahead = N 30° 45' 16.05" W
Chord Bear = N 49° 21' 22.38" W

Curve Data

Curve EXRAILROAD-10
P.I. Station 191+36.99 N 795,859.9929 E 1,970,912.9168
Delta = 2° 40' 00.21" (RT)
Degree = 1° 19' 59.93"
Tangent = 100.0217
Length = 200.0073
Radius = 4,297.2459
External = 1.1639
Long Chord = 199.9892
Mid. Ord. = 1.1636
P.C. Station 190+36.97 N 795,774.0376 E 1,970,964.0639
P.T. Station 192+36.97 N 795,948.2348 E 1,970,865.8243
C.C. N 797,971.4770 E 1,974,656.9736
Back = N 30° 45' 16.05" W
Ahead = N 28° 05' 15.84" W
Chord Bear = N 29° 25' 15.94" W
Course from PT EXRAILROAD-10 to PC EXRAILROAD-11 N 29° 03' 56.40" W Dist 1,258.9229

Curve Data

Curve EXRAILROAD-11
P.I. Station 213+12.60 N 797,733.9083 E 1,969,809.9632
Delta = 46° 18' 17.48" (LT)
Degree = 2° 59' 59.88"
Tangent = 816.6992
Length = 1,543.5119
Radius = 1,909.8800
External = 167.2910
Long Chord = 1,501.8480
Mid. Ord. = 153.8177
P.C. Station 204+95.90 N 797,048.6133 E 1,970,254.2248
P.T. Station 220+39.41 N 797,886.1120 E 1,969,007.5720
C.C. N 796,009.6918 E 1,968,651.6382
Back = N 32° 57' 16.02" W
Ahead = N 79° 15' 33.50" W
Chord Bear = N 56° 06' 24.76" W
Course from PT EXRAILROAD-11 to EXRAILROAD2 N 79° 15' 33.50" W Dist 718.9506
Point EXRAILROAD2 N 798,020.0989 E 1,968,301.2170 Sta 227+58.36

Ending chain EXRAILROAD description

COLONIALLIFE1

Beginning chain COLONIALLIFE1 description

Point COLONIALLIFE11 N 796,325.9892 E 1,971,667.3000 Sta 204+32.50
Course from COLONIALLIFE11 to PC COLONIALLIFE1-1 N 23° 47' 22.42" E Dist 195.3000

Curve Data

Curve COLONIALLIFE1-1
P.I. Station 209+20.43 N 796,772.4614 E 1,971,864.1205
Delta = 28° 39' 59.94" (LT)
Degree = 5° 00' 10.46"
Tangent = 292.6301
Length = 573.0000
Radius = 1,145.2500
External = 36.7948
Long Chord = 567.0421
Mid. Ord. = 35.6495
P.C. Station 206+27.80 N 796,504.6952 E 1,971,746.0798
P.T. Station 212+00.80 N 797,064.0319 E 1,971,839.2416
C.C. N 796,966.6645 E 1,970,698.1381
Back = N 23° 47' 22.42" E
Ahead = N 4° 52' 37.52" W
Chord Bear = N 9° 27' 22.45" E
Course from PT COLONIALLIFE1-1 to COLONIALLIFE12 N 4° 52' 37.52" W Dist 195.3000
Point COLONIALLIFE12 N 797,258.6248 E 1,971,822.6375 Sta 213+96.10

Ending chain COLONIALLIFE1 description

COLONIALLIFE2

Beginning chain COLONIALLIFE2 description

Point COLONIALLIFE21 N 796,504.6952 E 1,971,746.0798 Sta 206+27.80
Course from COLONIALLIFE21 to PC COLONIALLIFE2-1 N 23° 47' 22.42" E Dist 29.2000

Curve Data

Curve COLONIALLIFE2-1
P.I. Station 209+49.99 N 796,799.5142 E 1,971,876.0464
Delta = 28° 41' 00.20" (LT)
Degree = 4° 59' 58.99"
Tangent = 292.9949
Length = 573.7000
Radius = 1,145.9800
External = 36.8624
Long Chord = 567.7279
Mid. Ord. = 35.7136
P.C. Station 206+57.00 N 796,531.4141 E 1,971,757.8585
P.T. Station 212+30.70 N 797,091.4410 E 1,971,851.0511
C.C. N 796,993.6779 E 1,970,709.2488
Back = N 23° 47' 22.42" E
Ahead = N 4° 53' 37.77" W
Chord Bear = N 9° 26' 52.32" E
Course from PT COLONIALLIFE2-1 to COLONIALLIFE22 N 4° 53' 37.77" W Dist 409.2650
Point COLONIALLIFE22 N 797,499.2140 E 1,971,816.1369 Sta 216+39.97

Ending chain COLONIALLIFE2 description

COLONIALLIFE3

Beginning chain COLONIALLIFE3 description

Point COLONIALLIFE31 N 796,213.5701 E 1,972,138.6766 Sta 0+00.00
Course from COLONIALLIFE31 to PC COLONIALLIFE3-1 N 42° 46' 06.74" W Dist 299.7000

Curve Data

Curve COLONIALLIFE3-1
P.I. Station 3+69.34 N 796,484.7045 E 1,971,887.8798
Delta = 29° 56' 00.32" (LT)
Degree = 21° 59' 37.31"
Tangent = 69.6412
Length = 136.1000
Radius = 260.5100
External = 9.1479
Long Chord = 134.5575
Mid. Ord. = 8.8375
P.C. Station 2+99.70 N 796,433.5807 E 1,971,935.1689
P.T. Station 4+35.80 N 796,505.4118 E 1,971,821.3883
C.C. N 796,256.6844 E 1,971,743.9277
Back = N 42° 46' 06.74" W
Ahead = N 72° 42' 07.06" W
Chord Bear = N 57° 44' 06.90" W
Course from PT COLONIALLIFE3-1 to COLONIALLIFE32 N 72° 42' 07.06" W Dist 69.3000
Point COLONIALLIFE32 N 796,526.0176 E 1,971,755.2227 Sta 5+05.10

Ending chain COLONIALLIFE3 description

COLONIALRAMPA

Beginning chain COLONIALRAMPA description

Point COLRAMPA100 N 793,901.3745 E 1,974,299.5662 Sta 162+00.00
Course from COLRAMPA100 to PC COLONIALRAMPA-1 N 65° 02' 54.62" W Dist 2,781.5100

Curve Data

Curve COLONIALRAMPA-1
P.I. Station 196+05.35 N 795,337.9238 E 1,971,212.0548
Delta = 88° 50' 17.05" (RT)
Degree = 8° 59' 59.99"
Tangent = 623.8388
Length = 987.0900
Radius = 636.6200
External = 254.7048
Long Chord = 891.1415
Mid. Ord. = 181.9204
P.C. Station 189+81.51 N 795,074.7568 E 1,971,777.6678
P.T. Station 199+68.60 N 795,908.7570 E 1,971,463.6980
C.C. N 795,651.9581 E 1,972,046.2265
Back = N 65° 02' 54.62" W
Ahead = N 23° 47' 22.42" E
Chord Bear = N 20° 37' 46.10" W
Course from PT COLONIALRAMPA-1 to COLRAMPA101 N 23° 47' 22.42" E Dist 463.9100
Point COLRAMPA101 N 796,333.2500 E 1,971,650.8294 Sta 204+32.51

Ending chain COLONIALRAMPA description

COLONIALRAMPD

Beginning chain COLONIALRAMPD description

Curve Data

Curve COLONIALRAMPD-1
P.I. Station 185+96.10 N 794,892.5534 E 1,972,502.3416
Delta = 1° 30' 00.91" (RT)
Degree = 1° 31' 17.44"
Tangent = 49.3042
Length = 98.6028
Radius = 3,765.7187
External = 0.3228
Long Chord = 98.6000
Mid. Ord. = 0.3227
P.C. Station 185+46.80 N 794,869.5738 E 1,972,545.9632
P.T. Station 186+45.40 N 794,916.6671 E 1,972,459.3365
C.C. N 798,201.2706 E 1,974,301.0796
Back = N 62° 13' 12.10" W
Ahead = N 60° 43' 11.19" W
Chord Bear = N 61° 28' 11.65" W

Curve Data

Curve COLONIALRAMPD-2
P.I. Station 188+68.21 N 795,025.6396 E 1,972,264.9927
Delta = 15° 30' 00.02" (RT)
Degree = 3° 29' 58.79"
Tangent = 222.8105
Length = 442.9000
Radius = 1,637.1800
External = 15.0920
Long Chord = 441.5507
Mid. Ord. = 14.9542
P.C. Station 186+45.40 N 794,916.6671 E 1,972,459.3365
P.T. Station 190+88.30 N 795,182.5850 E 1,972,106.8387
C.C. N 796,344.6780 E 1,973,260.0509
Back = N 60° 43' 11.19" W
Ahead = N 45° 13' 11.17" W
Chord Bear = N 52° 58' 11.18" W
Course from PT COLONIALRAMPD-2 to PC COLONIALRAMPD-3 N 45° 13' 11.17" W Dist 463.1000

Curve Data

Curve COLONIALRAMPD-3
P.I. Station 199+74.53 N 795,806.8360 E 1,971,477.7804
Delta = 67° 13' 00.31" (RT)
Degree = 8° 59' 57.95"
Tangent = 423.1301
Length = 746.9000
Radius = 636.6600
External = 127.7842
Long Chord = 704.7996
Mid. Ord. = 106.4239
P.C. Station 195+51.40 N 795,508.7877 E 1,971,778.1239
P.T. Station 202+98.30 N 796,199.1637 E 1,971,636.2670
C.C. N 795,960.6978 E 1,972,226.5805
Back = N 45° 13' 11.17" W
Ahead = N 21° 59' 49.14" E
Chord Bear = N 11° 36' 41.01" W
Course from PT COLONIALRAMPD-3 to COLRAMPD101 N 21° 59' 49.14" E Dist 201.7000
Point COLRAMPD101 N 796,386.1807 E 1,971,711.8153 Sta 205+00.00

Ending chain COLONIALRAMPD description

ARROWWOOD2

Beginning chain ARROWWOOD2 description

Point ARROWWOOD21 N 795,784.7694 E 1,971,674.8693 Sta 37+82.30
Course from ARROWWOOD21 to ARROWWOOD22 N 47° 25' 09.80" E Dist 517.7000
Point ARROWWOOD22 N 796,135.0591 E 1,972,056.0653 Sta 43+00.00

Ending chain ARROWWOOD2 description

ARROWWOOD

Beginning chain ARROWWOOD description

Point ARROWWOOD1 N 794,600.3400 E 1,973,191.8265 Sta 178+49.30
Course from ARROWWOOD1 to PC ARROWWOOD-1 N 63° 49' 50.05" W Dist 499.2000

Curve Data

Curve ARROWWOOD-1
P.I. Station 184+89.19 N 794,882.5507 E 1,972,617.5255
Delta = 3° 31' 00.00" (RT)
Degree = 1° 15' 00.53"
Tangent = 140.6942
Length = 281.3000
Radius = 4,583.1200
External = 2.1590
Long Chord = 281.2558
Mid. Ord. = 2.1580
P.C. Station 183+48.50 N 794,820.5007 E 1,972,743.7976
P.T. Station 186+29.80 N 794,952.2292 E 1,972,495.2972
C.C. N 798,933.8225 E 1,974,765.0776
Back = N 63° 49' 50.05" W
Ahead = N 60° 18' 50.05" W
Chord Bear = N 62° 04' 20.05" W
Course from PT ARROWWOOD-1 to PC ARROWWOOD-2 N 60° 18' 50.05" W Dist 10.5000

SEE SHEET 5AA FOR CONTINUATION OF ARROWWOOD

ALIGNMENT INFORMATION PROVIDED ON THIS SHEET IS FOR THE ESTABLISHMENT OF PROJECT RIGHT OF WAY AND DOES NOT REFLECT THE ALIGNMENT FOR FINAL DESIGN. ALIGNMENTS FOR FINAL DESIGN OF THE PROJECT ARE THE RESPONSIBILITY OF THE DESIGN BUILD TEAM.

TRACT(S)	ISSUED FOR	DATE
N/A	SHEET RELEASED	09-30-2019
N/A	MOVED ARROWWOOD FROM SHEET 5AAA	01-20-2021
N/A	COLONIALLIFE2 REVISED (EXTENDED)	08-27-2021

TRACT(S)	ISSUED FOR	DATE

PLANS PREPARED BY

HDR STV

PLANS PREPARED FOR

SCDOT
South Carolina Department of Transportation

0 100 200 400

CAROLINA CROSSROADS

REFERENCE DATA SHEET
EXISTING ALIGNMENTS

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROAD/ROUTE NO.	SHEET NO.
3	S.C.	LEXINGTON/RICHLAND	P027662	I-26/I-20/I-126	5AAA

ARROWWOOD (Continued From Sheet 5ZZ)

Curve Data

Curve ARROWWOOD-2
P.I. Station 191+11.19 N 795,190.6388 E 1,972,077.0848
Delta = 26° 12' 59.85" (RT)
Degree = 2° 49' 59.92"
Tangent = 470.8946
Length = 925.3000
Radius = 2,022.2200
External = 54.1026
Long Chord = 917.2491
Mid. Ord. = 52.6928
P.C. Station 186+40.30 N 794,957.4293 E 1,972,486.1753
P.T. Station 195+65.60 N 795,580.5805 E 1,971,813.1014
C.C. N 796,714.2364 E 1,973,487.6754
Back = N 60° 18' 50.05" W
Ahead = N 34° 05' 50.20" W
Chord Bear = N 47° 12' 20.12" W
Course from PT ARROWWOOD-2 to PC ARROWWOOD-3 N 34° 05' 50.20" W Dist 844.7000

Curve Data

Curve ARROWWOOD-3
P.I. Station 204+91.11 N 796,346.9814 E 1,971,294.2622
Delta = 51° 14' 02.57" (RT)
Degree = 33° 59' 50.56"
Tangent = 80.8076
Length = 150.7000
Radius = 168.5300
External = 18.3717
Long Chord = 145.7291
Mid. Ord. = 16.5658
P.C. Station 204+10.30 N 796,280.0656 E 1,971,339.5629
P.T. Station 205+61.00 N 796,424.2015 E 1,971,318.0724
C.C. N 796,374.5435 E 1,971,479.1204
Back = N 34° 05' 50.20" W
Ahead = N 17° 08' 12.37" E
Chord Bear = N 8° 28' 48.91" W
Course from PT ARROWWOOD-3 to ARROWWOOD2 N 17° 08' 12.37" E Dist 139.0000
Point ARROWWOOD2 N 796,557.0304 E 1,971,359.0293 Sta 207+00.00

Ending chain ARROWWOOD description

BUSH_RIVER_X1

Beginning chain BUSH_RIVER_X1 description
Description: CL File 32.379 (Partial)

Curve Data

Curve BUSH_RIVER_X1-1
P.I. Station 88+30.92 N 800,164.1452 E 1,962,474.7652
Delta = 12° 25' 00.00" (LT)
Degree = 1° 15' 00.00"
Tangent = 498.6196
Length = 993.3333
Radius = 4,583.6620
External = 27.0406
Long Chord = 991.3906
Mid. Ord. = 26.8821
P.C. Station 83+32.30 N 800,473.5891 E 1,962,083.7844
P.T. Station 93+25.63 N 799,946.0077 E 1,962,923.1373
C.C. N 804,067.7593 E 1,964,928.4105
Back = S 51° 38' 23.82" E
Ahead = S 64° 03' 23.82" E
Chord Bear = S 57° 50' 53.82" E

Ending chain BUSH_RIVER_X1 description

BUSH_RIVER_X2

Beginning chain BUSH_RIVER_X2 description
Description: CL File 32.443

Point BUSHRIVERX2 N 799,306.6177 E 1,964,463.5803 Sta 94+59.38
Course from BUSHRIVERX2 to PC BUSH_RIVER_X2-1 N 72° 04' 23.82" W Dist 2.4845

Curve Data

Curve BUSH_RIVER_X2-1
P.I. Station 98+68.07 N 799,432.4115 E 1,964,074.7355
Delta = 8° 22' 00.00" (RT)
Degree = 1° 01' 54.12"
Tangent = 406.2016
Length = 810.9591
Radius = 5,553.5300
External = 14.8356
Long Chord = 810.2388
Mid. Ord. = 14.7961
P.C. Station 94+61.87 N 799,307.3825 E 1,964,461.2164
P.T. Station 102+72.82 N 799,612.3456 E 1,963,710.5604
C.C. N 804,591.2940 E 1,966,170.5947
Back = N 72° 04' 23.82" W
Ahead = N 63° 42' 23.82" W
Chord Bear = N 67° 53' 23.82" W

Course from PT BUSH_RIVER_X2-1 to PC BUSH_RIVER_X2-2 N 63° 42' 23.82" W Dist 1,296.1417

Curve Data

Curve BUSH_RIVER_X2-2
P.I. Station 118+71.75 N 800,320.6192 E 1,962,277.0611
Delta = 12° 04' 00.00" (RT)
Degree = 2° 00' 00.00"
Tangent = 302.7866
Length = 603.3333
Radius = 2,864.7890
External = 15.9567
Long Chord = 602.2190
Mid. Ord. = 15.8683
P.C. Station 115+68.97 N 800,186.4945 E 1,962,548.5207
P.T. Station 121+72.30 N 800,508.5289 E 1,962,039.6381
C.C. N 802,754.8855 E 1,963,817.5296
Back = N 63° 42' 23.82" W
Ahead = N 51° 38' 23.82" W
Chord Bear = N 57° 40' 23.82" W

Course from PT BUSH_RIVER_X2-2 to BUSHRIVERX3 N 51° 38' 23.82" W Dist 778.7000
Point BUSHRIVERX3 N 800,991.7911 E 1,961,429.0389 Sta 129+51.00

Ending chain BUSH_RIVER_X2 description

BUSH_RIVER

Beginning chain BUSH_RIVER description
Description: CL File 32.700

Curve Data

Curve BUSH_RIVER-1
P.I. Station 89+02.26 N 799,124.0253 E 1,965,027.9974
Delta = 34° 30' 37.42" (RT)
Degree = 3° 00' 00.00"
Tangent = 593.2173
Length = 1,150.3469
Radius = 1,909.8600
External = 90.0080
Long Chord = 1,133.0367
Mid. Ord. = 85.9570
P.C. Station 83+09.05 N 799,293.3386 E 1,965,596.5392
P.T. Station 94+59.39 N 799,306.6177 E 1,964,463.5803
C.C. N 801,123.7559 E 1,965,051.4358
Back = S 73° 24' 58.76" W
Ahead = N 72° 04' 23.82" W
Chord Bear = N 89° 19' 42.53" W

Course from PT BUSH_RIVER-1 to PC BUSH_RIVER-2 N 72° 04' 23.82" W Dist 140.8028

Curve Data

Curve BUSH_RIVER-2
P.I. Station 100+19.27 N 799,478.9493 E 1,963,930.8808
Delta = 8° 22' 00.00" (RT)
Degree = 1° 00' 00.00"
Tangent = 419.0783
Length = 836.6667
Radius = 5,729.5780
External = 15.3059
Long Chord = 835.9235
Mid. Ord. = 15.2651
P.C. Station 96+00.20 N 799,349.9569 E 1,964,329.6133
P.T. Station 104+36.86 N 799,664.5875 E 1,963,555.1614
C.C. N 804,801.3695 E 1,966,093.1792
Back = N 72° 04' 23.82" W
Ahead = N 63° 42' 23.82" W
Chord Bear = N 67° 53' 23.82" W

Course from PT BUSH_RIVER-2 to PC BUSH_RIVER-3 N 63° 42' 23.82" W Dist 1,030.7663

Curve Data

Curve BUSH_RIVER-3
P.I. Station 117+70.42 N 800,255.3083 E 1,962,359.5811
Delta = 12° 04' 00.00" (RT)
Degree = 2° 00' 00.00"
Tangent = 302.7866
Length = 603.3333
Radius = 2,864.7890
External = 15.9567
Long Chord = 602.2190
Mid. Ord. = 15.8683
P.C. Station 114+67.63 N 800,121.1836 E 1,962,631.0407
P.T. Station 120+70.96 N 800,443.2180 E 1,962,122.1581
C.C. N 802,689.5746 E 1,963,900.0496
Back = N 63° 42' 23.82" W
Ahead = N 51° 38' 23.82" W
Chord Bear = N 57° 40' 23.82" W

Course from PT BUSH_RIVER-3 to BUSHRIVER2 N 51° 38' 23.82" W Dist 105.2381

Point BUSHRIVER2 N 800,508.5289 E 1,962,039.6381 Sta 121+76.20

Ending chain BUSH_RIVER description

BSHRIVERRAMPH

Beginning chain BSHRIVERRAMPH description

Point BSHRIVERRAMPH1 N 799,513.8458 E 1,963,968.1183 Sta 109+64.85
Course from BSHRIVERRAMPH1 to PC BSHRIVERRAMPH-1 N 62° 26' 35.59" W Dist 135.0167

Curve Data

Curve BSHRIVERRAMPH-1
P.I. Station 114+95.01 N 799,759.1122 E 1,963,498.1037
Delta = 90° 00' 00.00" (RT)
Degree = 14° 30' 00.04"
Tangent = 395.1430
Length = 620.6892
Radius = 395.1430
External = 163.6736
Long Chord = 558.8166
Mid. Ord. = 115.7347
P.C. Station 110+99.87 N 799,576.3082 E 1,963,848.4188
P.T. Station 117+20.56 N 800,109.4273 E 1,963,680.9077
C.C. N 799,926.6233 E 1,964,031.2228
Back = N 62° 26' 35.59" W
Ahead = N 27° 33' 24.41" E
Chord Bear = N 17° 26' 35.59" W

Curve Data

Curve BSHRIVERRAMPH-2
P.I. Station 118+61.28 N 800,234.1901 E 1,963,746.0123
Delta = 16° 46' 00.00" (RT)
Degree = 5° 59' 59.99"
Tangent = 140.7280
Length = 279.4445
Radius = 954.9300
External = 10.3138
Long Chord = 278.4485
Mid. Ord. = 10.2036
P.C. Station 117+20.56 N 800,109.4273 E 1,963,680.9077
P.T. Station 120+00.00 N 800,334.8678 E 1,963,844.3401
C.C. N 799,667.6505 E 1,964,527.5036
Back = N 27° 33' 24.41" E
Ahead = N 44° 19' 24.41" E
Chord Bear = N 35° 56' 24.41" E

Ending chain BSHRIVERRAMPH description

BSHRIVERRAMPF

Beginning chain BSHRIVERRAMPF description

Curve Data

Curve BSHRIVERRAMPF-1
P.I. Station 102+03.82 N 799,151.0334 E 1,962,491.0210
Delta = 12° 11' 00.00" (LT)
Degree = 3° 00' 00.00"
Tangent = 203.8241
Length = 406.1110
Radius = 1,909.8590
External = 10.8455
Long Chord = 405.3464
Mid. Ord. = 10.7842
P.C. Station 100+00.00 N 799,005.7294 E 1,962,348.0839
P.T. Station 104+06.11 N 799,323.2303 E 1,962,600.0737
C.C. N 800,345.0689 E 1,960,986.5660
Back = N 44° 31' 46.27" E
Ahead = N 32° 20' 46.27" E
Chord Bear = N 38° 26' 16.27" E
Course from PT BSHRIVERRAMPF-1 to BSHRIVERRAMPF2 N 32° 20' 46.27" E Dist 733.2000
Point BSHRIVERRAMPF2 N 799,942.6603 E 1,962,992.3603 Sta 111+39.31

Ending chain BSHRIVERRAMPF description

BSHRIVERRAMPG

Beginning chain BSHRIVERRAMPG description

Point BSHRIVERRAMPG1 N 798,545.4708 E 1,962,029.9426 Sta 94+50.00
Course from BSHRIVERRAMPG1 to PC BSHRIVERRAMPG-1 N 48° 27' 54.95" E Dist 636.0000

Curve Data

Curve BSHRIVERRAMPG-1
P.I. Station 104+29.96 N 799,195.2597 E 1,962,763.4987
Delta = 39° 37' 00.27" (RT)
Degree = 5° 59' 59.31"
Tangent = 343.9644
Length = 660.3000
Radius = 954.9600
External = 60.0573
Long Chord = 647.2249
Mid. Ord. = 56.5038
P.C. Station 100+86.00 N 798,967.1858 E 1,962,506.0229
P.T. Station 107+46.30 N 799,206.7718 E 1,963,107.2704
C.C. N 798,252.3468 E 1,963,139.2320
Back = N 48° 27' 54.95" E
Ahead = N 88° 04' 55.22" E
Chord Bear = N 68° 16' 25.09" E
Course from PT BSHRIVERRAMPG-1 to PC BSHRIVERRAMPG-2 N 88° 04' 55.22" E Dist 250.1000

Curve Data

Curve BSHRIVERRAMPG-2
P.I. Station 112+19.81 N 799,222.6199 E 1,963,580.5193
Delta = 63° 54' 58.26" (LT)
Degree = 15° 59' 56.56"
Tangent = 223.4142
Length = 399.5000
Radius = 358.1200
External = 63.9746
Long Chord = 379.1050
Mid. Ord. = 54.2783
P.C. Station 109+96.40 N 799,215.1424 E 1,963,357.2303
P.T. Station 113+95.90 N 799,426.4551 E 1,963,671.9803
C.C. N 799,573.0618 E 1,963,345.2443
Back = N 88° 04' 55.22" E
Ahead = N 24° 09' 56.96" E
Chord Bear = N 56° 07' 26.09" E
Course from PT BSHRIVERRAMPG-2 to BSHRIVERRAMPG2 N 24° 09' 56.96" E Dist 165.4972
Point BSHRIVERRAMPG2 N 799,577.4488 E 1,963,739.7313 Sta 115+61.40

Ending chain BSHRIVERRAMPG description

ROCKLAND

Beginning chain ROCKLAND description

Point ROCKLAND1 N 799,396.4882 E 1,964,191.7790 Sta 0+00.00
Course from ROCKLAND1 to ROCKLAND1000 N 25° 51' 09.66" E Dist 50.6020
End Region 1
Equation: Sta 0+50.60 (BK) = Sta 0+50.00 (AH)
Begin Region 2
Point ROCKLAND1000 N 799,442.0259 E 1,964,213.8444 Sta 0+50.00
Course from ROCKLAND1000 to PC ROCKLAND-1 N 25° 51' 09.66" E Dist 52.0990

Curve Data

Curve ROCKLAND-1
P.I. Station 1+82.14 N 799,560.9450 E 1,964,271.4671
Delta = 31° 12' 55.96" (RT)
Degree = 19° 59' 44.65"
Tangent = 80.0453
Length = 156.1110
Radius = 286.5400
External = 10.9704
Long Chord = 154.1874
Mid. Ord. = 10.5659
P.C. Station 1+02.10 N 799,488.9108 E 1,964,236.5627
P.T. Station 2+58.21 N 799,604.4608 E 1,964,338.6506
C.C. N 799,363.9625 E 1,964,494.4252
Back = N 25° 51' 09.66" E
Ahead = N 57° 04' 05.61" E
Chord Bear = N 41° 27' 37.64" E
Course from PT ROCKLAND-1 to PC ROCKLAND-2 N 57° 04' 05.61" E Dist 228.5606

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Curve Data

Curve ROCKLAND-2
P.I. Station 5+61.23 N 799,769.1959 E 1,964,592.9829
Delta = 80° 24' 08.10" (LT)
Degree = 65° 01' 39.20"
Tangent = 74.4617
Length = 123.6434
Radius = 88.1100
External = 27.2499
Long Chord = 113.7452
Mid. Ord. = 20.8130
P.C. Station 4+86.77 N 799,728.7155 E 1,964,530.4858
P.T. Station 6+10.41 N 799,837.5674 E 1,964,563.4893
C.C. N 799,802.6679 E 1,964,482.5857
Back = N 57° 04' 05.61" E
Ahead = N 23° 20' 02.49" W
Chord Bear = N 16° 52' 01.56" E
Course from PT ROCKLAND-2 to PC ROCKLAND-3 N 23° 20' 02.49" W Dist 113.0000

Curve Data

Curve ROCKLAND-3
P.I. Station 9+27.25 N 800,128.4912 E 1,964,437.9928
Delta = 83° 18' 04.08" (RT)
Degree = 25° 00' 01.22"
Tangent = 203.8375
Length = 333.2000
Radius = 229.1800
External = 77.5336
Long Chord = 304.6196
Mid. Ord. = 57.9340
P.C. Station 7+23.41 N 799,941.3253 E 1,964,518.7310
P.T. Station 10+56.61 N 800,230.5113 E 1,964,614.4628
C.C. N 800,032.1014 E 1,964,729.1667
Back = N 23° 20' 02.49" W
Ahead = N 59° 58' 01.59" E
Chord Bear = N 18° 19' 59.55" E
Course from PT ROCKLAND-3 to PC ROCKLAND-4 N 59° 58' 01.59" E Dist 128.0000

Curve Data

Curve ROCKLAND-4
P.I. Station 12+66.82 N 800,335.7169 E 1,964,796.4428
Delta = 76° 32' 01.17" (LT)
Degree = 54° 58' 51.87"
Tangent = 82.2022
Length = 139.2000
Radius = 104.2100
External = 28.5188
Long Chord = 129.0796
Mid. Ord. = 22.3911
P.C. Station 11+84.61 N 800,294.5749 E 1,964,725.2773
P.T. Station 13+23.81 N 800,414.5068 E 1,964,773.0046
C.C. N 800,384.7935 E 1,964,673.1205
Back = N 59° 58' 01.59" E
Ahead = N 16° 33' 59.58" W
Chord Bear = N 21° 42' 01.01" E
Course from PT ROCKLAND-4 to PC ROCKLAND-5 N 16° 33' 59.58" W Dist 208.8000

Curve Data

Curve ROCKLAND-5
P.I. Station 17+28.59 N 800,802.4786 E 1,964,657.5918
Delta = 128° 02' 38.32" (RT)
Degree = 60° 00' 06.71"
Tangent = 195.9744
Length = 213.4000
Radius = 95.4900
External = 122.5107
Long Chord = 171.6838
Mid. Ord. = 53.6629
P.C. Station 15+32.61 N 800,614.6393 E 1,964,713.4697
P.T. Station 17+46.01 N 800,730.7256 E 1,964,839.9581
C.C. N 800,641.8663 E 1,964,804.9959
Back = N 16° 33' 59.58" W
Ahead = S 68° 31' 21.26" E
Chord Bear = N 47° 27' 19.58" E
Course from PT ROCKLAND-5 to PC ROCKLAND-6 S 68° 31' 21.26" E Dist 136.5000

Curve Data

Curve ROCKLAND-6
P.I. Station 19+66.61 N 800,649.9572 E 1,965,045.2377
Delta = 32° 42' 59.21" (LT)
Degree = 19° 59' 52.18"
Tangent = 84.0975
Length = 163.6000
Radius = 286.5100
External = 12.0873
Long Chord = 161.3865
Mid. Ord. = 11.5980
P.C. Station 18+82.51 N 800,680.7482 E 1,964,966.9798
P.T. Station 20+46.11 N 800,666.3480 E 1,965,127.7225
C.C. N 800,947.3635 E 1,965,071.8810
Back = S 68° 31' 21.26" E
Ahead = N 78° 45' 39.53" E
Chord Bear = S 84° 52' 50.87" E
Course from PT ROCKLAND-6 to PC ROCKLAND-7 N 78° 45' 39.53" E Dist 54.2000

Curve Data

Curve ROCKLAND-7
P.I. Station 23+22.98 N 800,720.3101 E 1,965,399.2803
Delta = 72° 52' 59.56" (LT)
Degree = 18° 59' 59.26"
Tangent = 222.6674
Length = 383.6000
Radius = 301.5600
External = 73.2989
Long Chord = 358.2552
Mid. Ord. = 58.9662
P.C. Station 21+00.31 N 800,676.9117 E 1,965,180.8831
P.T. Station 24+83.91 N 800,941.8069 E 1,965,422.0829
C.C. N 800,972.6886 E 1,965,122.1083
Back = N 78° 45' 39.53" E
Ahead = N 5° 52' 39.97" E
Chord Bear = N 42° 19' 09.75" E
Course from PT ROCKLAND-7 to ROCKLAND2 N 5° 52' 39.97" E Dist 266.7000
Point ROCKLAND2 N 801,207.1048 E 1,965,449.3947 Sta 27+50.61

Ending chain ROCKLAND description

TRACT(S)	ISSUED FOR	DATE	TRACT(S)	ISSUED FOR	DATE
N/A	SHEET RELEASED	09-30-2019			
N/A	BSHRIVERRAMPF, BSHRIVERRAMPG REVISED	01-20-2021			
N/A	BUSH_RIVER, BSHRIVERRAMPH REVISED	01-20-2021			
N/A	ROCKLAND REVISED	01-20-2021			
N/A	BUSH_RIVER_X1 & BUSH_RIVER_X2 ADDED	01-20-2021			
N/A	CANDI REMOVED FROM SHEET	01-20-2021			

PLANS PREPARED BY

HDR STV

PLANS PREPARED FOR

SCDOT
South Carolina Department of Transportation

0 100 200 400

CAROLINA CROSSROADS

REFERENCE DATA SHEET
EXISTING ALIGNMENTS