

| C1                                                                            |        |              |            |            |                  |
|-------------------------------------------------------------------------------|--------|--------------|------------|------------|------------------|
| $\Delta = 24^{\circ}55'59''$ R = 427.00' T = 94.40' L = 185.81' LC = 184.35'  |        |              |            |            |                  |
| CURVE DATA BASED ON CENTERLINE $\Delta / 2 = 12^{\circ}27'59''$               |        |              |            |            |                  |
|                                                                               |        | CHORD LENGTH |            | DEFLECTION | TOTAL DEFLECTION |
| STATION                                                                       | ARC    | 8'Off LtcB   | 8'Off RtcB |            |                  |
| 11+10.35                                                                      | —      | —            | —          | 00°00'00"  | 00°00'00"        |
| 11+25.00                                                                      | 14.65' | 13.96'       | 15.34'     | 00°58'58"  | 00°58'58"        |
| 11+50.00                                                                      | 25.00' | 23.83'       | 26.17'     | 01°40'38"  | 02°39'37"        |
| 11+75.00                                                                      | 25.00' | 23.83'       | 26.17'     | 01°40'38"  | 04°20'15"        |
| 11+98.72                                                                      | 23.72' | 22.61'       | 24.83'     | 01°55'29"  | 05°55'44"        |
| 12+00.00                                                                      | 1.28'  | 1.22'        | 1.34'      | 00°05'09"  | 08°00'53"        |
| 12+25.00                                                                      | 25.00' | 23.83'       | 26.17'     | 01°40'38"  | 07°41'31"        |
| 12+50.00                                                                      | 25.00' | 23.83'       | 26.17'     | 01°40'38"  | 09°22'09"        |
| 12+75.00                                                                      | 25.00' | 23.83'       | 26.17'     | 01°40'38"  | 11°02'48"        |
| 12+96.17                                                                      | 21.17' | 20.17'       | 22.15'     | 01°25'12"  | 12°27'59"        |
| Def/Ft = 4.02546 Min.                                                         |        |              |            |            |                  |
| C2                                                                            |        |              |            |            |                  |
| $\Delta = 35^{\circ}01'09''$ R = 275.00' T = 86.76' L = 168.08' LC = 165.48'  |        |              |            |            |                  |
| CURVE DATA BASED ON CENTERLINE $\Delta / 2 = 17^{\circ}30'34''$               |        |              |            |            |                  |
|                                                                               |        | CHORD LENGTH |            | DEFLECTION | TOTAL DEFLECTION |
| STATION                                                                       | ARC    | 8'Off LtcB   | 8'Off RtcB |            |                  |
| 10+59.50                                                                      | —      | —            | —          | 00°00'00"  | 00°00'00"        |
| 10+71.10                                                                      | 11.60' | 10.84'       | 12.36'     | 01°12'30"  | 01°12'30"        |
| 10+75.00                                                                      | 3.90'  | 3.64'        | 4.16'      | 00°24'23"  | 01°36'53"        |
| 10+97.78                                                                      | 22.78' | 21.28'       | 24.26'     | 02°22'23"  | 03°59'16"        |
| 11+00.00                                                                      | 2.22'  | 2.07'        | 2.37'      | 00°13'53"  | 04°13'09"        |
| 11+25.00                                                                      | 25.00' | 23.36'       | 26.63'     | 02°36'16"  | 06°49'24"        |
| 11+50.00                                                                      | 25.00' | 23.36'       | 26.63'     | 02°36'16"  | 09°25'40"        |
| 11+75.00                                                                      | 25.00' | 23.36'       | 26.63'     | 02°36'16"  | 12°01'56"        |
| 12+00.00                                                                      | 25.00' | 23.36'       | 26.63'     | 02°36'16"  | 14°38'11"        |
| 12+16.10                                                                      | 16.10' | 15.04'       | 17.15'     | 01°40'38"  | 16°18'49"        |
| 12+25.00                                                                      | 8.90'  | 8.32'        | 9.48'      | 00°55'38"  | 17°14'27"        |
| 12+27.59                                                                      | 2.59'  | 2.41'        | 2.75'      | 00°16'08"  | 17°30'34"        |
| Def/Ft = 6.25045 Min.                                                         |        |              |            |            |                  |
| C3                                                                            |        |              |            |            |                  |
| $\Delta = 03^{\circ}54'21''$ R = 496.00' T = 16.91' L = 33.81' LC = 33.81'    |        |              |            |            |                  |
| CURVE DATA BASED ON CENTERLINE $\Delta / 2 = 01^{\circ}57'10''$               |        |              |            |            |                  |
|                                                                               |        | CHORD LENGTH |            | DEFLECTION | TOTAL DEFLECTION |
| STATION                                                                       | ARC    | 8'Off LtcB   | 8'Off RtcB |            |                  |
| 12+27.59                                                                      | —      | —            | —          | 00°00'00"  | 00°00'00"        |
| 12+50.00                                                                      | 22.41' | 23.22'       | 21.59'     | 01°17'40"  | 01°17'40"        |
| 12+61.40                                                                      | 11.40' | 11.82'       | 10.99'     | 00°39'31"  | 01°57'11"        |
| Def/Ft = 3.48547 Min.                                                         |        |              |            |            |                  |
| C4                                                                            |        |              |            |            |                  |
| $\Delta = 30^{\circ}53'40''$ R = 500.00' T = 138.17' L = 269.60' LC = 266.35' |        |              |            |            |                  |
| CURVE DATA BASED ON CENTERLINE $\Delta / 2 = 15^{\circ}26'50''$               |        |              |            |            |                  |
|                                                                               |        | CHORD LENGTH |            | DEFLECTION | TOTAL DEFLECTION |
| STATION                                                                       | ARC    | 8'Off LtcB   | 8'Off RtcB |            |                  |
| 2+91.41                                                                       | —      | —            | —          | 00°00'00"  | 00°00'00"        |
| 3+00.00                                                                       | 8.59'  | 8.97'        | 8.21'      | 00°29'32"  | 00°29'32"        |
| 3+25.00                                                                       | 25.00' | 26.10'       | 23.90'     | 01°25'57"  | 01°55'28"        |
| 3+45.35                                                                       | 20.35' | 21.24'       | 19.45'     | 01°09'57"  | 03°05'26"        |
| 3+50.00                                                                       | 4.65'  | 4.85'        | 4.45'      | 00°15'59"  | 03°21'25"        |
| 3+75.00                                                                       | 25.00' | 26.10'       | 23.90'     | 01°25'57"  | 04°47'22"        |
| 4+00.00                                                                       | 25.00' | 26.10'       | 23.90'     | 01°25'57"  | 06°13'19"        |
| 4+25.00                                                                       | 25.00' | 26.10'       | 23.90'     | 01°25'57"  | 07°39'15"        |
| 4+50.00                                                                       | 25.00' | 26.10'       | 23.90'     | 01°25'57"  | 09°05'12"        |
| 4+59.26                                                                       | 9.26'  | 9.67'        | 8.85'      | 00°31'50"  | 09°37'02"        |
| 4+75.00                                                                       | 15.74' | 16.43'       | 15.05'     | 00°54'07"  | 10°31'08"        |
| 4+90.12                                                                       | 15.12' | 15.78'       | 14.45'     | 00°51'59"  | 11°23'07"        |
| 5+00.00                                                                       | 9.88'  | 10.31'       | 9.45'      | 00°33'58"  | 11°57'05"        |
| 5+22.80                                                                       | 22.80' | 23.80'       | 21.79'     | 01°18'23"  | 13°15'28"        |
| 5+25.00                                                                       | 2.20'  | 2.30'        | 2.10'      | 00°07'34"  | 13°23'01"        |
| 5+50.00                                                                       | 25.00' | 26.10'       | 23.90'     | 01°25'57"  | 14°48'58"        |
| 5+61.02                                                                       | 11.02' | 11.50'       | 10.53'     | 00°37'52"  | 15°26'50"        |
| Def/Ft = 3.43775 Min.                                                         |        |              |            |            |                  |
| C5                                                                            |        |              |            |            |                  |
| $\Delta = 75^{\circ}34'36''$ R = 305.00' T = 236.48' L = 402.31' LC = 373.78' |        |              |            |            |                  |
| CURVE DATA BASED ON CENTERLINE $\Delta / 2 = 37^{\circ}47'18''$               |        |              |            |            |                  |
|                                                                               |        | CHORD LENGTH |            | DEFLECTION | TOTAL DEFLECTION |
| STATION                                                                       | ARC    | 8'Off LtcB   | 8'Off RtcB |            |                  |
| 6+47.55                                                                       | —      | —            | —          | 00°00'00"  | 00°00'00"        |
| 6+72.00                                                                       | 24.45' | 26.21'       | 22.68'     | 02°17'47"  | 02°17'47"        |
| 6+75.00                                                                       | 3.00'  | 3.22'        | 2.78'      | 00°16'54"  | 02°34'42"        |
| 7+00.00                                                                       | 25.00' | 26.80'       | 23.19'     | 02°20'53"  | 04°55'35"        |
| 7+25.00                                                                       | 25.00' | 26.80'       | 23.19'     | 02°20'53"  | 07°16'29"        |
| 7+50.00                                                                       | 25.00' | 26.80'       | 23.19'     | 02°20'53"  | 09°37'22"        |
| 7+59.35                                                                       | 9.35'  | 10.02'       | 8.68'      | 00°52'42"  | 10°30'04"        |
| 7+75.00                                                                       | 15.65' | 16.78'       | 14.52'     | 01°28'12"  | 11°58'16"        |
| 7+89.99                                                                       | 14.99' | 16.07'       | 13.91'     | 01°24'29"  | 13°22'45"        |
| 8+00.00                                                                       | 10.01' | 10.73'       | 9.29'      | 00°56'25"  | 14°19'09"        |
| 8+20.63                                                                       | 20.63' | 22.11'       | 19.14'     | 01°56'16"  | 16°15'25"        |
| 8+25.00                                                                       | 4.37'  | 4.69'        | 4.05'      | 00°24'38"  | 16°40'03"        |
| 8+50.00                                                                       | 25.00' | 26.80'       | 23.19'     | 02°20'53"  | 19°00'56"        |
| 8+75.00                                                                       | 25.00' | 26.80'       | 23.19'     | 02°20'53"  | 21°21'50"        |
| 9+00.00                                                                       | 25.00' | 26.80'       | 23.19'     | 02°20'53"  | 23°42'43"        |
| 9+25.00                                                                       | 25.00' | 26.80'       | 23.19'     | 02°20'53"  | 26°03'37"        |
| 9+50.00                                                                       | 25.00' | 26.80'       | 23.19'     | 02°20'53"  | 28°24'30"        |
| 9+75.00                                                                       | 25.00' | 26.80'       | 23.19'     | 02°20'53"  | 30°45'24"        |
| 10+00.00                                                                      | 25.00' | 26.80'       | 23.19'     | 02°20'53"  | 33°06'17"        |
| 10+25.00                                                                      | 25.00' | 26.80'       | 23.19'     | 02°20'53"  | 35°27'11"        |
| 10+41.22                                                                      | 16.22' | 17.99'       | 15.05'     | 01°31'25"  | 36°58'35"        |
| 10+49.86                                                                      | 8.64'  | 9.27'        | 8.02'      | 00°48'43"  | 37°47'18"        |
| Def/Ft = 5.63565 Min.                                                         |        |              |            |            |                  |

| C6                                                                            |        |              |            |            |                        |
|-------------------------------------------------------------------------------|--------|--------------|------------|------------|------------------------|
| $\Delta = 50^{\circ}53'24''$ R = 300.00' T = 142.74' L = 266.46' LC = 257.79' |        |              |            |            |                        |
| CURVE DATA BASED ON CENTERLINE $\Delta / 2 = 25^{\circ}26'42''$               |        |              |            |            |                        |
|                                                                               |        | CHORD LENGTH |            | DEFLECTION | TOTAL DEFLECTION       |
| STATION                                                                       | ARC    | 8'Off LtCb   | 8'Off RtCb |            |                        |
| 10+89.55                                                                      | —      | —            | —          | 00°00'00"  | 00°00'00"              |
| 11+00.00                                                                      | 10.45' | 9.68'        | —          | 00°59'52"  | 00°59'52"              |
| 11+25.00                                                                      | 25.00' | 23.16'       | —          | 02°23'14"  | 03°23'07"              |
| 11+29.39                                                                      | 4.39'  | 4.07'        | —          | 00°25'09"  | 03°48'16"              |
| 11+50.00                                                                      | 20.61' | 19.09'       | —          | 01°58'05"  | 05°46'21"              |
| 11+75.00                                                                      | 25.00' | 23.16'       | —          | 02°23'14"  | 08°09'36"              |
| 12+00.00                                                                      | 25.00' | 23.16'       | —          | 02°23'14"  | 10°32'50"              |
| 12+25.00                                                                      | 25.00' | 23.16'       | —          | 02°23'14"  | 12°56'04"              |
| 12+50.00                                                                      | 25.00' | 23.16'       | —          | 02°23'14"  | 15°19'19"              |
| 12+75.00                                                                      | 25.00' | 23.16'       | —          | 02°23'14"  | 17°42'33"              |
| 12+89.00                                                                      | 14.00' | 12.97'       | —          | 01°20'13"  | 19°02'46"              |
| 13+00.00                                                                      | 11.00' | 10.19'       | —          | 01°03'02"  | 20°05'47"              |
| 13+25.00                                                                      | 25.00' | 23.16'       | —          | 02°23'14"  | 22°29'02"              |
| 13+26.33                                                                      | 1.33'  | 1.23'        | —          | 00°07'37"  | 22°36'39"              |
| 13+50.00                                                                      | 23.67' | 21.93'       | —          | 02°15'37"  | 24°52'16"              |
| 13+56.01                                                                      | 6.01'  | 5.57'        | —          | 00°34'26"  | 25°26'42"              |
|                                                                               |        |              |            |            | Def/Ft = 5.72958 Min.  |
| C7                                                                            |        |              |            |            |                        |
| $\Delta = 06^{\circ}05'26''$ R = 359.00' T = 19.10' L = 38.16' LC = 38.14'    |        |              |            |            |                        |
| CURVE DATA BASED ON CENTERLINE $\Delta / 2 = 03^{\circ}02'43''$               |        |              |            |            |                        |
|                                                                               |        | CHORD LENGTH |            | DEFLECTION | TOTAL DEFLECTION       |
| STATION                                                                       | ARC    | 8'Off LtCb   | 8'Off RtCb |            |                        |
| 13+56.01                                                                      | —      | —            | —          | 00°00'00"  | 00°00'00"              |
| 13+61.61                                                                      | 5.60'  | 5.94'        | 5.26'      | 00°26'49"  | 00°26'49"              |
| 13+75.00                                                                      | 13.39' | 14.21'       | 12.57'     | 01°04'07"  | 01°30'55"              |
| 13+94.17                                                                      | 19.17' | 20.34'       | 17.99'     | 01°31'48"  | 03°02'43"              |
|                                                                               |        |              |            |            | Def/Ft = 4.78795 Min.  |
| C8                                                                            |        |              |            |            |                        |
| $\Delta = 30^{\circ}17'49''$ R = 39.00' T = 10.56' L = 20.62' LC = 20.38'     |        |              |            |            |                        |
| CURVE DATA BASED ON CENTERLINE $\Delta / 2 = 15^{\circ}08'55''$               |        |              |            |            |                        |
|                                                                               |        | CHORD LENGTH |            | DEFLECTION | TOTAL DEFLECTION       |
| STATION                                                                       | ARC    | 8'Off LtCb   | 8'Off RtCb |            |                        |
| 20+00.00                                                                      | —      | —            | —          | 00°00'00"  | 00°00'00"              |
| 20+20.62                                                                      | 20.62' | 31.88'       | 8.88'      | 15°08'55"  | 15°08'55"              |
|                                                                               |        |              |            |            | Def/Ft = 4.07368 Min.  |
| C9                                                                            |        |              |            |            |                        |
| $\Delta = 93^{\circ}24'57''$ R = 126.00' T = 133.74' L = 205.43' LC = 183.42' |        |              |            |            |                        |
| CURVE DATA BASED ON CENTERLINE $\Delta / 2 = 46^{\circ}42'29''$               |        |              |            |            |                        |
|                                                                               |        | CHORD LENGTH |            | DEFLECTION | TOTAL DEFLECTION       |
| STATION                                                                       | ARC    | 8'Off LtCb   | 8'Off RtCb |            |                        |
| 20+20.62                                                                      | —      | —            | —          | 00°00'00"  | 00°00'00"              |
| 20+33.58                                                                      | 12.96' | —            | 14.70'     | 02°56'48"  | 02°56'48"              |
| 20+50.00                                                                      | 16.42' | —            | 18.62'     | 03°44'00"  | 06°40'48"              |
| 20+75.00                                                                      | 25.00' | —            | 28.33'     | 05°41'03"  | 12°21'51"              |
| 21+00.00                                                                      | 25.00' | —            | 28.33'     | 05°41'03"  | 18°02'53"              |
| 21+25.00                                                                      | 25.00' | —            | 28.33'     | 05°41'03"  | 23°43'56"              |
| 21+50.00                                                                      | 25.00' | —            | 28.33'     | 05°41'03"  | 29°24'59"              |
| 21+75.00                                                                      | 25.00' | —            | 28.33'     | 05°41'03"  | 35°06'02"              |
| 21+98.00                                                                      | 23.00' | —            | 26.07'     | 05°13'46"  | 40°19'48"              |
| 22+00.00                                                                      | 2.00'  | —            | 2.27'      | 00°27'17"  | 40°47'05"              |
| 22+25.00                                                                      | 25.00' | —            | 28.33'     | 05°41'03"  | 46°28'07"              |
| 22+26.05                                                                      | 1.05'  | —            | 1.19'      | 00°14'21"  | 46°42'29"              |
|                                                                               |        |              |            |            | Def/Ft = 13.64185 Min. |
| C10                                                                           |        |              |            |            |                        |
| $\Delta = 12^{\circ}12'47''$ R = 354.00' T = 37.87' L = 75.46' LC = 75.32'    |        |              |            |            |                        |
| CURVE DATA BASED ON CENTERLINE $\Delta / 2 = 06^{\circ}06'24''$               |        |              |            |            |                        |
|                                                                               |        | CHORD LENGTH |            | DEFLECTION | TOTAL DEFLECTION       |
| STATION                                                                       | ARC    | 8'Off LtCb   | 8'Off RtCb |            |                        |
| 22+26.05                                                                      | —      | —            | —          | 00°00'00"  | 00°00'00"              |
| 22+50.00                                                                      | 23.95' | 25.10'       | 22.80'     | 01°56'17"  | 01°56'17"              |
| 22+75.00                                                                      | 25.00' | 26.20'       | 23.79'     | 02°01'23"  | 03°57'41"              |
| 23+00.00                                                                      | 25.00' | 26.20'       | 23.79'     | 02°01'23"  | 05°59'04"              |
| 23+01.51                                                                      | 1.51'  | 1.58'        | 1.44'      | 00°07'19"  | 06°06'23"              |
|                                                                               |        |              |            |            | Def/Ft = 4.85557 Min.  |
| C11                                                                           |        |              |            |            |                        |
| $\Delta = 18^{\circ}15'43''$ R = 200.00' T = 32.15' L = 63.75' LC = 63.48'    |        |              |            |            |                        |
| CURVE DATA BASED ON CENTERLINE $\Delta / 2 = 09^{\circ}07'52''$               |        |              |            |            |                        |
|                                                                               |        | CHORD LENGTH |            | DEFLECTION | TOTAL DEFLECTION       |
| STATION                                                                       | ARC    | 8'Off LtCb   | 8'Off RtCb |            |                        |
| 1+00.32                                                                       | —      | —            | —          | 00°00'00"  | 00°00'00"              |
| 1+25.00                                                                       | 24.68' | 21.95'       | 27.38'     | 03°32'07"  | 03°32'07"              |
| 1+35.00                                                                       | 10.00' | 8.90'        | 11.10'     | 01°25'57"  | 04°58'03"              |
| 1+50.00                                                                       | 15.00' | 13.35'       | 16.65'     | 02°08'55"  | 07°06'58"              |
| 1+64.07                                                                       | 14.07' | 12.52'       | 15.61'     | 02°00'53"  | 09°07'52"              |
|                                                                               |        |              |            |            | Def/Ft = 8.59437 Min.  |