MAINLINE

S.R. 74 ALIGNMENT, EAST OF EQUALITY STATION
CONSTRUCTION CENTERLINE
KC1

Degree = 5°12'31.3461818" Delta = 30°53'48.1400347"
Radius = 1100.00 Length = 593.17
Tangent = 303.99 Length of Chord = 586.01
External = 41.23 S.E. Rate = 2.90%
PC Sta = 92+03.9491861 DB = N 2°28'57.4400217" E
North 1209545.38 East 2191307.02
PI Sta = 95+07.9386363
North 1209849.09 East 2191320.19
PT Sta = 97+97.1233502 DA = N 28°24'50.7000129" W
North 1210116.46 East 2191175.54

S.R. 74 ALIGNMENT, EAST OF EQUALITY STATION
CONSTRUCTION CENTERLINE
KC2

Degree = 0°52'53.3047385" Delta = 4°25'58.6434731"
Radius = 6500.00 Length = 502.90
Tangent = 251.58 Length of Chord = 502.78
External = 4.87 S.E. Rate = NC %
PC Sta = 107+83.0530084 DB = N 28°24'50.6999706" W
North 1210983.61 East 2190706.40
PI Sta = 110+34.6299997
North 1211204.88 East 2190586.69
PT Sta = 112+85.9559731 DA = N 32°50'49.3434437" W
North 1211416.24 East 2190450.23

S.R. 74 ALIGNMENT, EAST OF EQUALITY STATION
CONSTRUCTION CENTERLINE
KC3

Degree = 0°52'53.3047384" Delta = 6°34'47.1124967"
Radius = 6500.00 Length = 746.45
Tangent = 373.64 Length of Chord = 746.04
External = 10.73 S.E. Rate = NC %
PC Sta = 116+52.1836478 DB = N 32°50'49.3434436" W
North 1211723.91 East 2190251.59
PI Sta = 120+25.8190354
North 1212037.81 East 2190048.93
PT Sta = 123+98.6330011 DA = N 26°16'02.2309469" W
North 1212372.87 East 2189883.58

S.R. 74 ALIGNMENT, EAST OF EQUALITY STATION
CONSTRUCTION CENTERLINE
KC4

Degree = 0°52'53.3047385" Delta = 12°27'13.1075583"
Radius = 6500.00 Length = 1412.82
Tangent = 709.20 Length of Chord = 1410.04
External = 38.58 S.E. Rate = NC %
PC Sta = 128+89.1867000 DB = N 26°16'02.2309469" W
North 1212812.76 East 2189666.48
PI Sta = 135+98.3914220
North 1213448.74 East 2189352.61
PT Sta = 143+02.0074542 DA = N 38°43'15.3385052" W
North 1214002.06 East 2188908.98

S.R. 74 ALIGNMENT, EAST OF EQUALITY STATION
CONSTRUCTION CENTERLINE
KC24

Degree = 0°57'17.7468000" Delta = 2°45'24.4192177"
Radius = 6000.00 Length = 288.69
Tangent = 144.37 Length of Chord = 288.66
External = 1.74 S.E. Rate = NC %
PC Sta = 155+53.8090250 DB = N 38°43'15.3385052" W
North 1214978.72 East 2188125.95
PI Sta = 156+98.1817050
North 1215091.36 East 2188035.64
PT Sta = 158+42.4986778 DA = N 41°28'39.7577231" W
North 1215199.52 East 2187940.02

S.R. 74 ALIGNMENT, EAST OF EQUALITY STATION
CONSTRUCTION CENTERLINE
KC5

Degree = 4°12'02.0533724" Delta = 41°13'44.1833257"
Radius = 1364.00 Length = 981.51
Tangent = 513.09 Length of Chord = 960.47
External = 93.31 S.E. Rate = 4.70%
PC Sta = 162+00.5251240 DB = N 41°28'39.7577229" W
North 1215467.76 East 2187702.88
PI Sta = 167+13.6121983
North 1215852.17 East 2187363.05
PT Sta = 171+82.0332627 DA = N 82°42'23.9410486" W
North 1215917.31 East 2186854.12

S.R. 74 ALIGNMENT, EAST OF EQUALITY STATION
CONSTRUCTION CENTERLINE
KC6

Degree = 0°57'17.7468000" Delta = 11°47'28.7190881"
Radius = 6000.00 Length = 1234.78
Tangent = 619.58 Length of Chord = 1232.61
External = 31.91 S.E. Rate = RC %
PC Sta = 171+82.0332627 DB = N 82°42'23.9410486" W
North 1215917.31 East 2186854.12
PI Sta = 178+01.6131296
North 1215995.96 East 2186239.55
PT Sta = 184+16.8164482 DA = S 85°30'07.3398632" W
North 1215947.37 East 2185621.88

SR 74 ALIGNMENT
CONSTRUCTION CENTERLINE
KC7

Degree = 4°48'53.18" Delta = 44°10'09.52"
Radius = 1190.00 Length = 917.37
Tangent = 482.84 Length of Chord = 894.82
External = 94.22 S.E. Rate = 5.00%
PC Sta = 214+02.57 DB = S 85°30'07.34" W
North 1215710.88 East 2182615.57
PI Sta = 218+85.41
North 1215673.02 East 2182134.22
PT Sta = 223+19.94 DA = N 50°19'43.14" W
North 1215981.25 East 2181762.57

SR 74 ALIGNMENT
CONSTRUCTION CENTERLINE
KC8

Degree = 4°30'00.00" Delta = 20°52'18.24"
Radius = 1273.24 Length = 463.82
Tangent = 234.51 Length of Chord = 461.26
External = 21.42 S.E. Rate = 4.90%
PC Sta = 235+50.57 DB = N 50°19'43.14" W
North 1216766.86 East 2180815.34
PI Sta = 237+85.08
North 1216916.57 East 2180634.83
PT Sta = 240+14.38 DA = N 29°27'24.90" W
North 1217120.76 East 2180519.51

SR 74 ALIGNMENT
CONSTRUCTION CENTERLINE
KC9

Degree = 1°29'56.54" Delta = 23°49'30.65"
Radius = 3822.17 Length = 1589.37
Tangent = 806.33 Length of Chord = 1577.94
External = 84.13 S.E. Rate = RC %
PC Sta = 245+59.69 DB = N 29°27'24.90" W
North 1217595.57 East 2180251.34
PI Sta = 253+66.03
North 1218297.67 East 2179854.81
PT Sta = 261+49.06 DA = N 53°16'55.55" W
North 1218779.76 East 2179208.47

SIDESTREETS

SR 85 ALIGNMENT
CONSTRUCTION CENTERLINE
KC10

Degree = 2°02'07.35" Delta = 17°46'28.56"
Radius = 2815.00 Length = 873.28
Tangent = 440.18 Length of Chord = 869.79
External = 34.21 S.E. Rate = N/A
PC Sta = 2+24.05 DB = N 48°50'04.14" E
North 1209496.27 East 2189502.04
PI Sta = 6+64.22
North 1209786.01 East 2189833.41
PT Sta = 10+97.33 DA = N 66°36'32.70" E
North 1209960.76 East 2190237.41

SR 85 ALIGNMENT
CONSTRUCTION CENTERLINE
KC21

Degree = 0°35'22.07" Delta = 2°09'37.58"
Radius = 9720.00 Length = 366.51
Tangent = 183.28 Length of Chord = 366.49
External = 1.73 S.E. Rate = NC
PC Sta = 22+63.59 DB = N 66°36'32.70" E
North 1210423.77 East 2191307.82
PI Sta = 24+46.86
North 1210496.53 East 2191476.03
PT Sta = 26+30.09 DA = N 64°26'55.12" E
North 1210575.58 East 2191641.39

SR 85 ALIGNMENT
CONSTRUCTION CENTERLINE
KC22

Degree = 0°47'59.99" Delta = 2°09'37.58"
Radius = 7162.00 Length = 270.06
Tangent = 135.04 Length of Chord = 270.04
External = 1.27 S.E. Rate = NC
PC Sta = 26+30.09 DB = N 64°26'55.12" E
North 1210575.58 East 2191641.39
PI Sta = 27+65.14
North 1210633.83 East 2191763.22
PT Sta = 29+00.15 DA = N 66°36'32.70" E
North 1210687.44 East 2191887.17

DAYCARE DRIVEWAY
CONSTRUCTION CENTERLINE
KC380

Degree = 45°50'11.85" Delta = 86°20'03.73"
Radius = 125.00 Length = 188.35
Tangent = 117.25 Length of Chord = 171.03
External = 46.38 S.E. Rate = RC %
PC Sta = 5+28.02 DB = S 1°23'35.66" W
North 1215202.57 East 2187624.29
PI Sta = 6+45.27
North 1215085.35 East 2187621.44
PT Sta = 7+16.37 DA = S 84°56'28.07" E
North 1215075.02 East 2187738.24

DAYCARE DRIVEWAY
CONSTRUCTION CENTERLINE
KC14

Degree = 45°50'11.85" Delta = 45°39'19.86"
Radius = 125.00 Length = 99.60
Tangent = 52.62 Length of Chord = 96.99
External = 10.62 S.E. Rate = RC %
PC Sta = 8+44.1738254 DB = S 84°56'28.07" E
North 1215063.75 East 2187865.54
PI Sta = 8+96.79
North 1215059.11 East 2187917.95
PT Sta = 9+43.78 DA = N 49°24'12.06" E
North 1215093.34 East 2187957.90

REDWINE ROAD
CONSTRUCTION CENTERLINE
KC15

Degree = 8°40'52.2436362" Delta = 24°08'58.6429488"
Radius = 660.00 Length = 278.18
Tangent = 141.19 Length of Chord = 276.13
External = 14.93 S.E. Rate = 3.50%
PC Sta = 10+86.0730530 DB = N 12°40'03.7072540" E
North 1215979.12 East 2186998.95
PI Sta = 12+27.2613360
North 1216116.87 East 2187029.92
PT Sta = 13+64.2567403 DA = N 11°28'54.9356949" W
North 1216255.23 East 2187001.81

WATER TREATMENT PLANT DRIVEWAY
CONSTRUCTION CENTERLINE

Degree = 28°38'52.40" Delta = 8°44'34.30"
Radius = 200.00 Length = 30.52
Tangent = 15.29 Length of Chord = 30.49
External = 0.58 S.E. Rate = NC
PC Sta = 0+90.67 DB = N 39°47'14.55" E
North 1215785.29 East 2181850.25
PI Sta = 1+05.96
North 1215797.04 East 2181860.03
PT Sta = 1+21.19 DA = N 31°02'40.25" E
North 1215810.14 East 2181867.92

SOCCER PARK ENTRANCE ALIGNMENT
CONSTRUCTION CENTERLINE

Degree = 22°48'08.91" Delta = 23°14'10.70"
Radius = 251.27 Length = 101.90
Tangent = 51.66 Length of Chord = 101.21
External = 5.26 S.E. Rate = NC
PC Sta = 0+00.00 DB = N 12°47'13.23" E
North 1216305.92 East 2181142.98
PI Sta = 0+51.66
North 1216356.30 East 2181154.41
PT Sta = 1+01.90 DA = N 36°01'23.93" E
North 1216398.08 East 2181184.79

ALIGNMENT	INTERSECTION STA MAINLINE	INTERSECTION STA SIDESTREET	ANGLE	NORTH COORD	EAST COORD
S.R. 85	100+27.55	20+00.00	84°58'36.6	1210319.12	2191065.90
MANOR DRIVE	112+35.17	10+00.00	89°34'24.2	1211373.46	2190477.61
MILLSTONE DRIVE	120+14.38	10+00.00	91°25'10.8	1212033.52	2190063.71
LODGE TRAIL	143+66.30	10+00.00	89°57'16.3	1214052.22	2188868.77
BRECHIN DRIVE	150+82.82	10+00.00	90°09'41.7	1214611.25	2188420.57
PRESCHOOL DRIVE	157+50.23	10+00.00	90°00'00	1215129.93	2188000.59
REDWINE ROAD	170+54.09	10+00.00	90°00'00	1215895.14	2186980.08
RELOCATED ROCKAWAY/ HOLLY GROVE	195+22.54	20+00.00	90°00'00	1215858.32	2184489.82
WATER TREATMENT DRIVE	221+40.77	2+00.00	90°00'00	1215877.66	2181908.56
SOCCER PARK DRIVE	230+33.83	1+50.00	90°00'00	1216436.98	2181213.08
DRIVEWAY	254+66.10	0+00.00	90°00'00	1218324.82	2179716.62

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REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: CONSULTANT DESIGN

CONSTRUCTION LAYOUT

DRAWING No. 11-02