

ORDINANCE NO. 180811

Declaring it necessary to change and re-establish the grades on portions of North Woodland Avenue, as well as to open, establish and dedicate street right of way for Project Nos. 70052304, 70172340, and 70182903 "N. Woodland Avenue Complete Streets, N.E. 96th Street to N.E. 108th Street, in Kansas City, Clay County, Missouri; and directing the City Clerk to cause a notice to be published as provided for herein; and directing the City Clerk to cause this ordinance to be recorded in the Office of the Recorder of Deeds for Kansas City, Clay County, Missouri.

WHEREAS, the Council finds that for the public good it is necessary that the grades on N. Woodland Avenue, from a point +/- 250 feet south of the intersection of N.E. 96th Street, north to N.E. 108th Street, all in Kansas City, Clay County, Missouri, be changed and re-established; and

WHEREAS, the Council further finds that for the public good it is necessary to open, establish, and dedicate Street Right of Way for Project Nos. 70052304, 70172340, and 70182903, "N. Woodland Avenue Complete Streets, N.E. 96th Street to N.E. 108th Street", all in Kansas City, Clay County, Missouri; NOW, THEREFORE,

BE IT ORDAINED BY THE COUNCIL OF KANSAS CITY:

Section 1. That finding it necessary to change and re-establish grades on portions of N. Woodland Avenue, in the area between N.E. 96th Street, north to N.E. 108th Street, all being in Kansas City, Clay County, Missouri, the Council hereby directs that the City Clerk cause a notice of said grade changes to be published in the newspaper doing the city printing, on each day of issue of said newspaper for a period of ten (10) days, starting on or about the date following the passage of this ordinance, and providing a period of thirty (30) days for remonstrance starting the same day as the first day of the publication.

Section 2. That said grade changes shall be of the nature described and specified in, and shall be done in accordance with the plans and specifications prepared and certified by the Parks Chief Engineer under the supervision of the Director of the Park and Recreation Department and identified as KCMO Project Nos. 70052304, 70172340, and 70182903, "N. Woodland Avenue Complete Streets, N.E. 96th Street to N.E. 108th Street", the same being on file in the Office of the Director of Parks and Recreation and being incorporated herein by reference.

Section 3. That the width and location of the right of way of Project Nos. 70052304, 70172340, and 70182903, "N. Woodland Avenue Complete Streets, N.E. 96th Street to N.E. 108th Street", all being in Kansas City, Clay County, Missouri, as shown on the plans described in Section 2 of this ordinance, are hereby relocated, opened, established and dedicated as shown on said plans.

Section 4. That establishing of the grade, width and location of the right of way is hereby authorized to commence when this ordinance becomes effective, and shall be built in accordance with the plans and specifications as described in Section 2 of this

ORDINANCE NO. 180811

ordinance; locating and defining the grade points of said street on the proposed project centerline stationing, as found on said plans, said centerline being described by project coordinates, control points, and stationing; said grade points being connected by straight grades (tangents) or vertical curves between such grade points, the elevations of which are herein given below in feet (NAVD 1988), along with other pertinent control data as found on the cover sheet of said plans and shown as follows:

Horizontal Control

Coordinates shown hereon are Project Coordinates in U.S. Survey Feet, based on the Missouri State Plane Coordinate System of 1983 (NAD83) West Zone with an applied project grid factor of 0.99989898.

Metro Control Station CL-03 RESET (with an adjustment date of 2003) was used as a base point for the establishment of Project Control.

Metro Control Station CL-03 RESET

N: 1131714.57 ft.

E: 2776181.33 ft.

Elevation=1037.73 NAVD88

CP-14

N.E. Corner of N.E., SEC 1 - T51N – R33W

3 inch Brass Disc

N: = 1129083.680

E: = 2772532.830

Control Point 52

N: = 1129584.235

E: = 2772576.846

SET ½ inch I.B. W/CP CAP

Control Point 20

SET 1#2 inch I.B.

N: = 1139598.019

E: = 2772653.271

Vertical Control

Project Bench Marks

Project Bench Mark 1: Southeast corner of curb inlet at southeast corner of N.E. 96th Street and N. Woodland Avenue.

N: 1128994.08

E: 2772475.69

ORDINANCE NO. 180811

Elevation = 262.94 (KCMO)
Elevation = 985.54 NAVD88 (KCMO+722.57)

Project Bench Mark 6: Chiseled Square on the center, north end of concrete flume at southeast corner of the intersection of N. Woodland Avenue and 108th Street.

N: 1137190.85 E: 2772649.79

Elevation = 293.31 KCMO
Elevation = 1015.88 NAVD88 (KCMO+722.57)

All grade points are on the new centerline of N. Woodland Avenue, as herein described, and as found in said plans in the office of the Director of Parks and Recreation Department, are as follows:

Centerline of N. Woodland Avenue (Maplewoods Parkway Northbound)

Bearings herein are grid bearings based on the Missouri State Plane Coordinate System of 1983 (NAD-83) West Zone, with an adjustment date of 2003.

A description for the relocated centerline of N.E. Woodland Avenue lying in the northeast quarter of Section 1, northwest quarter of Section 1 in township 51 north range 33 west, the southwest quarter of Section 36, southeast quarter of 36, northeast quarter of Section 36 and the northwest quarter of Section 36, the southwest quarter of Section 25, southeast quarter of 25, all being in township 52 north, range 33 west of the fifth principal meridian, in the City of Kansas City, Clay County, Missouri, and being more particularly described as follows:

Commencing at the northwest corner of the northeast quarter of Section 1,

PC N 1129083.64, E2772532.83;

Thence south 11 degrees 10 minutes 13 seconds east a distance of 2506.49 feet to the point of beginning of said centerline of N. Woodland Avenue, Centerline Station 6+88.41,

PC N 1128832.34, E 2772582.45;

Thence north 02 degrees, 45 minutes, 02 seconds west, 42.50 feet to a point of curvature at Centerline Station 7+30.92,

PC N 1128874.81, E 2772580.41;

Thence north along a curve to the right having a radius of 300 feet, and a tangent to the last described course, an arc length of 42.87, Centerline Station 7+73.79,

ORDINANCE NO. 180811

PC N 1128917.34, E 2772575.31;

Thence north 10 degrees 56 minutes 16 seconds west a distance of 24.96 feet to a point, Centerline Station 7+98.72,

PC N 1129389.80, E 2772557.23;

Thence north 89 degrees 29 minutes 00 seconds west a distance of 39.44 feet to a point, Centerline Station 8+38.16 (Back) = Sta 7+98.72 (Ahead),

PC N 1128942.17, E 2772531.14;

Thence north 00 degrees 31 minutes 00 seconds East a distance of 138.16 feet to the centerline of N.E. 96th Street, Centerline Station 9+36.88,

PC N 1131726.66, E 2772530.33;

Thence continuing north 00 degrees 31 minutes 00 seconds east a distance of 138.16 feet to a point, Centerline Station 10+74.79 (Back) = Station 11+32.23 (AH),

PC N 1129218.22, E 2772533.63;

Thence south 89 degrees 40 minutes 46 seconds east, 18.00 feet to a point, Centerline Station 11+50.23 (Back) = Station 11+32.23 (Ahead),

PC N 1129218.12, E 2772551.63;

Thence north 00 degrees 19 minutes 14 seconds east a distance of 85.65 feet to a point of curvature, Centerline Station 12+17.88,

PC N 1129303.77, E 2772552.11;

Thence northerly along a curve to the right having a radius of 800.00 feet, an arc length of 86.22 feet to a point of tangency, Centerline Station 13+04.10,

PC N 1129389.80, E 2772557.23;

Thence north 06 degrees 29 minutes 44 seconds east a distance of 124.00 feet to a point of curvature, Centerline Station 14+28.10,

PC N 1129513.00, E 2772571.26;

Thence northerly along a curve to the left having a radius of 2000.00 feet, an arc length of 389.87 feet to a point of tangency, Centerline Station 18+17.97,

ORDINANCE NO. 180811

PC N 1129902.21, E 2772577.45

Thence north 04 degrees 40 minutes 25 seconds west, a distance of 124.00 feet to a point of curvature, Centerline Station 19+41.97,

PC N 1130025.80, E 2772567.34;

Thence northerly along a curve to the right having a radius of 2000.00 feet, an arc length of 174.41 feet to a point of tangency, Centerline Station 21+16.38,

PC N 1130200.03, E 2772560.73;

Thence north 00 degrees 19 minutes 23 seconds east, a distance of 509.34 feet to a point of curvature, Centerline Station 26+25.72,

PC N 1130709.35, E 2772563.60;

Thence northerly along a curve to the right having a radius of 1000.00 feet, an arc length of 64.52 feet to a point of tangency, Centerline Station 26+90.24,

PC N 1130773.82, E 2772566.04;

Thence north 04 degrees 01 minute 12 seconds east a distance of 113.06 feet to a point of curvature, Centerline Station 28+03.30,

PC N 1130886.60, E 2772573.97;

Thence northerly along a curve to the left having a radius of 1000.00 feet, an arc length of 181.83 feet to a point of tangency,

Thence north 06 degrees 23 minutes 54 seconds west a distance of 171.57 to a point of curvature, Centerline Station 31+56.71,

PC N 1131238.65, E 2772551.08;

Thence northerly along a curve to the right having a radius of 800 feet, an arc length of 93.85 feet to a point of tangency, Centerline Station 32+50.56,

PC N 1131332.31, E 2772546.11;

Thence north 00 degrees 19 minutes 23 seconds east a distance of 256.10 feet to a point, Centerline Station 35+06.65,

PC N 1131588.40, E 2772547.55;

ORDINANCE NO. 180811

Thence north 89 degrees 40 minutes 37 seconds west a distance of 18.00 feet to a point, Centerline Station 35+24.65 (Back) = Station 35+06.65 (Ahead),

PC N 1131588.51, E 2772529.55;

Thence north 00 degrees 19 minutes 18 seconds east a distance of 138.16 feet to the centerline of N.E. 100th Street, Centerline Station 36+44.81,

PC N 1131726.66, E 2772530.3292;

Thence continuing north 00 degrees 19 minutes 18 seconds east a distance of 138.16 feet to a point, Centerline Station 37+82.97 (Back) = Station 38+22.27 (Ahead),

PC N 1131864.82, E 2772531.11;

Thence south 89 degrees 40 minutes 46 seconds east a distance of 18.00 feet to a point, Centerline Station 38+40.27 (Back) = Station 38+22.27 (Ahead),

PC N 1131864.72, E 2772549.10;

Thence north 00 degrees 19 minutes 14 seconds east a distance of 50.66 feet to a point of curvature, Centerline Station 38+72.93,

PC N 1131915.37, E 2772549.39;

Thence northerly along a curve to the right having a radius of 800.00 feet, an arc length of 112.28 feet to a point of tangency, Centerline Station 39+85.20,

PC N 1132027.23, E 2772557.88;

Thence north 08 degrees 21 minutes 42 seconds east a distance of 124.00 feet to a point of curvature, Centerline Station 41+09.20,

PC N 1132149.92, E 2772575.91;

Thence northerly along a curve to the left having a radius of 2000.00 feet, an arc length of 416.77 feet to a point of tangency, Centerline Station 45+25.98,

PC N 1132565.57, E 2772593.28;

Thence north 03 degrees 34 minutes 40 seconds west a distance of 124.00 feet to a point of curvature, Centerline Station 46+49.98,

PC N 1132689.33, E 2772585.54;

ORDINANCE NO. 180811

Thence northerly along a curve to the right having a radius of 3000.00 feet, an arc length of 204.12 feet to a point of tangency, Centerline Station 48+54.10,

PC N 1132893.33, E 2772579.74;

Thence north 00 degrees 19 minutes 14 seconds east a distance of 1,111.31 feet to a point of curvature, Centerline Station 59+65.41,

PC N 1134004.63, E 2772585.95;

Thence northerly along a curve to the right having a radius of 3000.00 feet an arc length of 204.12 feet to a point of tangency, Centerline Station 61+69.53,

PC N 1134208.55, E 2772594.04;

Thence north 04 degrees 13 minutes 08 seconds east a distance of 124.00 feet to a point of curvature, Centerline Station 62+93.53,

PC N 1134332.21, E 2772603.16;

Thence northerly along a curve to the left having a radius of 2000.00 feet, an arc length of 136.08 feet to a point of tangency, Centerline Station 64+29.61,

PC N 1134468.16, E 2772608.55;

Thence north 0 degrees 19 minutes 14 seconds east a distance of 300.00 feet to a point of curvature, Centerline Station 67+29.61,

PC N 1134768.16, E 2772610.23;

Thence northerly along a curve to the right having a radius of 1200.00 feet, an arc length of 168.18 feet to a point of tangency, Centerline Station 68+97.79,

PC N 1134935.85, E 2772599.40;

Thence north 00 degrees 35 minutes 59 seconds east a distance of 78.70 feet to a point of curvature, Centerline Station 72+16.50,

PC N 1135253.11, E 2772576.40;

Thence northerly along a curve to the right having a radius of 70.00 feet, an arc length of 64.54 feet to a point of reverse curvature, Centerline Station 72+81.04

PC N 1135308.59, E 2772604.68;

ORDINANCE NO. 180811

Thence northerly along a curve to the left having a radius of 75.63 feet, an arc length of 125.95 feet to a point of reverse curvature, Centerline Station 74+06.99,

PC N 1135419.93, E 2772615.82;

Thence northerly along a curve to the right having a radius of 105.25 feet, an arc length of 60.35 feet to a point of compound curvature, Centerline Station 74+67.34,

PC N 1135473.62, E 2772590.12;

Thence northerly along a curve to the right having a radius of 196.50 feet, an arc length of 26.11 feet to a point of compound curvature, Centerline Station 74+93.45,

PC N 1135499.59, E 2772587.69;

Thence northerly along a curve to the right having a radius of 105.25 feet, an arc length of 58.87 feet to a point of reverse curvature, Centerline Station 75+52.31,

PC N 1135555.85, E 2772602.23;

Thence northerly along a curve to the left having a radius of 75.75 feet, an arc length of 77.48 feet to a point of reverse curvature, Centerline Station 75+52.31,

PC N 1135555.85, E 2772602.23;

Thence northerly along a curve to the right having a radius of 70.00 feet, an arc length of 41.17 feet to a point of tangency, Centerline Station 76+70.96,

PC N 1135669.78, E 2772595.88;

Thence north 05 degrees 35 minutes 59 seconds east a distance of 65.56 feet to a point, Centerline Station 77+36.53 (Back) = Station 77+16.43 (Ahead),

PC N 1135735.03, E 2772602.28;

Thence north 05 degrees 35 minutes 59 seconds east a distance of 66.35 feet to a point of curvature, Centerline Station 77+82.79,

PC N 1135801.07, E 2772608.75

Thence northerly along a curve to the left having a radius of 850.00 feet, an arc length of 115.01 feet to a point of tangency, Centerline Station 78+97.79,

PC N 1135915.94, E 2772612.21;

ORDINANCE NO. 180811

Thence north 02 degrees 09 minutes 09 seconds west a distance of 31.71 feet to a point of curvature, Centerline Station 79+29.50,

PC N 1135947.63, E 2772611.02;

Thence northerly along a curve to the right having a radius of 800.00 feet, an arc length of 38.43 feet to a point of tangency, Centerline Station 79+67.93,

PC N 1135986.05, E 2772610.50;

Thence north 00 degrees 35 minutes 59 seconds east a distance of 434.73 feet to a point of curvature, Centerline Station 84+02.67,

PC N 1136420.76, E 2772615.05;

Thence northerly along a curve to the right having a radius of 800.00 feet, an arc length to 40.23 feet to a point of tangency, Centerline Station 84+42.90,

PC N 1136460.96, E 2772616.48;

Thence north 03 degrees 28 minutes 52 seconds east a distance of 185.00 feet to a point of curvature, Centerline Station 86+27.89,

PC N 1136645.61, E 2772627.71;

Thence northerly along a curve to the left having a radius of 850.00 feet, an arc length of 165.01 feet to a point of tangency, Centerline Station 87+92.90,

PC N 1136810.25, E 2772621.73;

Thence north 07 degrees 38 minutes 29 seconds west a distance of 124.00 feet to a point of curvature, Centerline Station 89+16.90,

PC N 1136933.15, E 2772605.24;

Thence northerly along a curve to the right having a radius of 800 feet, an arc length of 114.83 feet to a point of tangency, Centerline Station 90+31.73,

PC N 1137047.66, E 2772598.18;

Thence north 00 degrees 34 minutes 56 seconds east a distance of 47.76 feet to a point, Centerline Station 90+79.49,

PC N 1137095.42, E 2772598.66;

ORDINANCE NO. 180811

Thence north 89 degrees 25 minutes 01 second west a distance of 18.00 feet to a point, Centerline Station 90+97.49 (Back) = Sta 90+79.49 (Ahead),

PC N 1137095.61, E 2772580.67;

Thence north 00 degrees 34 minutes 56 seconds east a distance of 176.45 to the centerline of Shoal Creek Parkway, Centerline Station 92+55.94,

PC N 1137272.05, E 2772582.46;

Thence north 00 degrees, 34 minutes, 56 seconds east a distance of 176.45 to a point, Centerline Station 94+32.39 (Back) = Station 94+68.62 (Ahead),

PC N 1137448.49, E 2772584.25;

Thence south 89 degrees 25 minutes 02 seconds east a distance of 18.00 feet to a point of curvature, Centerline Station 94+86.62 (Back) = Station 94+68.62 (Ahead),

PC N 1137448.31, E 2772602.25;

Thence northerly along a curve to the right having a radius of 511.00 feet and an initial tangent bearing of north 00 degrees 34 minutes 56 seconds east, an arc length of 66.49 feet to a point of reverse curvature, Centerline 95+35.10,

PC N 1137514.56, E 2772607.24;

Thence northerly along a curve to the left having a radius of 489.00 feet, an arc length of 77.02 feet to a point of tangency, Centerline Station 96+12.12,

PC N 1137591.35, E 2772611.97;

Thence north 00 degrees 59 minutes 15 seconds west a distance of 126.81 feet to a point on the centerline of N. Woodland Avenue and the point of terminus, Centerline Station 97+38.93,

PC N 1137718.14, E 2772609.79;

Street grades for N. Woodland Avenue (Maplewoods Parkway Northbound):

Begin new profile at Centerline Sta. 6+88.41, match grade as shown on plans.

| STATION | Slope | ELEVATION |
|-------------|---------------|-----------|
| 6+88.42 PVC | 0.082 percent | 984.73 |
| 7+38.42 PVI | | 984.77 |

ORDINANCE NO. 180811

Shoal Creek Parkway Roundabout

| | | |
|--------------|---------------|---------|
| 94+68.62 PVI | | 1024.3 |
| 94+68.63 PVC | +2.00 percent | 1024.3 |
| 95+43.62 PVI | | 1025.8 |
| 96+18.62 PVT | +7.29 percent | 1031.27 |

Length of vertical curve is 150.00 feet.
K=28.3

| | | |
|--------------|---------------|---------|
| 96+18.94 PVC | +7.29 percent | 1031.29 |
| 96+78.93 PVI | | 1035.66 |
| 97+38.93 PVT | +3.12 percent | 1037.54 |

Length of vertical curve is 120.00 feet.
K= 28.8

| | | |
|--------------|---------------|---------|
| 97+38.93 PVI | +3.12 percent | 1037.54 |
|--------------|---------------|---------|

Centerline of N. Woodland Avenue (Maplewoods Parkway Southbound)

Bearings herein are grid bearings based on the Missouri State Plane Coordinate System of 1983 (NAD-83) West Zone, with an adjustment date of 2003.

A description for the relocated centerline of N.E. Woodland Avenue lying in the northeast quarter of Section 1, northwest quarter of Section 1 in township 51 north range 33 west, the southwest quarter of Section 36, southeast quarter of 36, northeast quarter of Section 36 and the northwest quarter of Section 36, the southwest quarter of Section 25, southeast quarter of 25, all being in township 52 north, range 33 west of the fifth principal meridian, in the City of Kansas City, Clay County, Missouri, and being more particularly described as follows:

Commencing at the northwest corner of the northeast Quarter of Section 1,

PC N 1129083.64, E2772532.83;

Thence south 08 degrees 12 minutes 23 seconds west a distance of 291.18 feet to the point of beginning of said centerline of N. Woodland Avenue, Centerline Station 6+54.65,

PC N 1128795.45, E 2772491.27;

Thence north 01 degree 21 minutes 09 seconds west a distance of 72.48 to a point of curvature, Centerline Station 7+27.13,

PC N 1128867.91, E 2772489.55;

ORDINANCE NO. 180811

Thence northerly along a curve to the right having a radius of 349.96 feet, an arc length of 48.30 feet to a point of tangency, Centerline Station 7+75.44,

PC N 1128916.13, E 2772491.75;

Thence north 06 degrees 33 minutes 22 seconds east a distance of 26.54 feet to a point, Centerline Station 8+01.98,

PC N 1128942.49, E 2772494.78;

Thence south 89 degrees 29 minutes 00 seconds east a distance of 36.36 feet to a point, Centerline Station 8+38.34 (Back) = Sta 8+01.98 (Ahead),

PC N 1128942.17, E 2772531.14;

Thence north 01 degree 31 minutes 00 seconds east a distance of 138.00 feet to the centerline of N.E. 96th Street, Centerline Station 9+39.98,

PC N 1129080.16, E 2772532.38;

Thence north 01 degree 31 minutes 00 seconds east a distance of 138.07 feet to a point, Centerline Station 10+78.05 (Back) = Sta 11+32.41 (Ahead),

PC N 1129218.22, E 2772533.63;

Thence north 89 degrees 40 minutes 46 seconds west a distance of 18.00 feet to a point, Centerline Station 11+50.41 (Back) = Sta 11+32.41 (Ahead),

PC N 1129218.33, E 2772515.63;

Thence north 00 degrees 19 minutes 14 seconds east a distance of 54.69 feet to a point of curvature, Centerline Station 11+87.10,

PC N 1129273.01, E 2772515.93;

Thence northerly along a curve to the left having a radius of 800.00 feet, an arc length of 69.31 feet to a point of tangency, Centerline Station 12+56.40,

PC N 1129342.25, E 2772513.32;

Thence north 04 degrees 38 minutes 35 seconds west a distance of 149.30 feet to a point of curvature, Centerline Station 14+05.70,

PC N 1129491.06, E 2772501.23;

ORDINANCE NO. 180811

Thence northerly along a curve to the right having a radius of 2000.00 feet, an arc length of 173.35 feet to a point of tangency, Centerline Station 15+79.06,

PC N 1129664.23, E 2772494.70;

Thence north 00 degrees 19 minutes 23 seconds east a distance of 1,315.60 to a point of curvature, Centerline Station 28+94.66,

PC N 1130979.82, E 2772502.12;

Thence northerly along a curve to the right having a radius of 3000.00 feet, an arc length of 71.09 feet to a point of tangency, Centerline Station 29+65.75,

PC N 1131050.90, E 2772503.36;

Thence north 01 degree 40 minutes 51 seconds east a distance of 183.31 feet to a point of curvature, Centerline Station 31+49.07,

PC N 1131234.13, E 2772508.74;

Thence northerly along a curve to the left having a radius of 3000.00 feet, an arc length of 71.40 feet to a point of tangency, Centerline Station 32+20.46,

PC N 1131305.51, E 2772509.99;

Thence north 00 degrees 19 minutes 02 seconds east a distance of 283.09 feet to a point, Centerline Station 35+03.56,

PC N 1131588.60, E 2772511.55;

Thence south 89 degrees 40 minutes 37 seconds east a distance of 18.00 feet to a point, Centerline Station Sta 35+21.56 (Back) = Sta 35+03.56 (Ahead),

PC N 1131588.50, E 2772529.55;

Thence north 00 degrees 19 minutes 18 seconds east a distance of 138.16 feet to the centerline of N.E. 100th Street, Centerline Station 36+41.72,

PC N 1131726.66, E 2772530.33;

Thence north 00 degrees 19 minutes 18 seconds east a distance of 138.16 feet to a point, Centerline Station 37+79.88 (Back) = Station 38+16.22 (Ahead),

PC N 1131864.82, E 2772531.11;

ORDINANCE NO. 180811

Thence north 89 degrees 40 minutes 12 seconds west a distance of 18.00 feet to a point, Centerline Station 38+34.22 (Back) = Station 38+16.22 (Ahead),

PC N 1131864.92, E 2772513.11;

Thence north 00 degrees 19 minutes 14 seconds east a distance of 50.65 feet to a point of curvature, Centerline Station 38+66.87,

PC N 1131915.57, E 2772513.39;

Thence northerly along a curve to the left having a radius of 800.00 feet, an arc length of 90.00 feet to a point of tangency, Centerline Station 39+56.87,

PC N 1132005.35, E 2772518.95;

Thence north 06 degrees 45 minutes 59 seconds east a distance of 124.00 feet to a point of curvature, Centerline Station 40+80.87,

PC N 1132128.49, E 2772533.56;

Thence northerly along a curve to the left having a radius of 1200.00 feet, an arc length of 255.72 feet to a point of tangency, Centerline Station 43+36.59,

PC N 1132383.71, E 2772536.50;

Thence North 05 degrees 26 minutes 36 seconds west a distance of 124.00 feet to a point of curvature, Centerline Station 44+60.59,

PC N 1132507.15, E 2772524.74;

Thence northerly along a curve to the right having a radius of 3000.00 feet, an arc length of 301.79 feet to a point of tangency, Centerline Station 47+62.38,

PC N 1132808.51, E 2772511.26;

Thence north 00 degrees 19 minutes 14 seconds east a distance of 1,460.77 feet to a point of curvature, Centerline Station 62+23.16,

PC N 1134269.26, E 2772519.43;

Thence northerly along a curve to the left having a radius of 1500.00 feet, an arc length of 152.23 feet to a point of tangency, Centerline Station 63+75.39,

PC N 1134421.28, E 2772512.57;

ORDINANCE NO. 180811

Thence north 05 degrees 29 minutes 40 seconds west a distance of 124.00 feet to a point of curvature, Centerline Station 64+99.39,

PC N 1134544.71, E 2772500.69;

Thence northerly along a curve to the right having a radius of 1500.00 feet, an arc length of 372.27 feet to a point of tangency, Centerline Station 68+72.16,

PC N 1134916.37, E 2772511.24;

Thence north 08 degrees 44 minutes 40 seconds east a distance 124.00 feet to a point of curvature, Centerline Station 69+96.16,

PC N 1135038.93, E 2772530.09;

Thence northerly along a curve to the left having a radius of 800.00 feet, an arc length of 113.72 feet to a point of tangency, Centerline Station 71+09.88,

PC N 1135152.17, E 2772539.34;

Thence north 00 degrees 35 minutes 59 seconds east a distance of 101.32 feet to a point of curvature, Centerline Station 72+11.20,

PC N 1135253.49, E 2772540.40;

Thence northerly along a curve to the left having a radius of 70.00 feet, an arc length of 64.53 feet to a point of reverse curvature, Centerline Station 72+75.73,

PC N 1135309.55, E 2772513.29;

Thence northerly along a curve to the right having a radius of 75.63 feet, an arc length of 109.19 feet to a point of reverse curvature, Centerline Station 73+84.93,

PC N 1135407.71, E 2772494.46;

Thence northerly along a curve to the left having a radius of 105.25 feet, an arc length of 60.35 feet to a point of compound curvature, Centerline Station 74+45.28,

PC N 1135465.45, E 2772508.94;

Thence northerly along a curve to the left having a radius of 196.50 feet, an arc length of 26.11 feet to a point of compound curvature, Centerline Station 74+71.38,

PC N 1135491.38, E 2772506.14;

ORDINANCE NO. 180811

Thence northerly along a curve to the left having a radius of 105.25 feet, an arc length of 58.87 feet to a point of reverse curvature, Centerline Station 75+30.25,

PC N 1135543.62, E 2772480.68;

Thence northerly along a curve to the right having a radius of 75.75 feet, an arc length of 152.77 feet to a point of reverse curvature, Centerline Station 76+83.02,

PC N 1135666.96, E 2772515.51;

Thence northerly along a curve to the left having a radius of 70.00 feet, an arc length of 83.01 feet to a point of tangency, Centerline Station 77+66.03,

PC N 1135727.26, E 2772565.34;

Thence north 05 degrees 35 minutes 59 seconds east a distance of 11.34 feet to a point, Centerline Station 77+77.36 (Back) = Station 77+30.07 (Ahead),

PC N 1135738.54, E 2772566.45

Thence north 05 degrees 35 minutes 59 seconds east a distance of 66.69 feet to a point of curvature, Centerline Station 77+96.76,

PC 1135804.91, E 2772572.96;

Thence northerly along a curve to the left having a radius of 800.00 feet, an arc length of 126.84 feet to a point of tangency, Centerline Station 79+23.60,

PC 1135931.60, E 2772575.29;

Thence north 03 degrees 29 minutes 04 seconds west a distance of 124.00 feet to a point of curvature, Centerline Station 80+47.60,

PC N 1136055.37, E 2772567.76;

Thence northerly along a curve to the right having a radius of 1000.00 feet, an arc length of 71.28 feet to a point of tangency, Centerline Station 81+18.88,

PC N 1136126.61, E 2772565.96;

Thence north 00 degrees 35 minutes 59 seconds east a distance of 124.00 feet to a point of curvature, Centerline Station 82+42.88,

PC N 1136250.60, E 2772567.26;

ORDINANCE NO. 180811

Thence northerly along a curve to the left having a radius of 1000.00 feet, an arc length of 158.61 feet to a point of tangency, Centerline Station 84+01.56,

PC N 1136408.74, E 2772556.35;

Thence north 08 degrees 29 minutes 31 seconds west a distance of 124.00 feet to a point of curvature, Centerline Station 85+25.56,

PC N 1136531.38, E 2772538.04;

Thence northerly along a curve to the right having a radius of 1000.00 feet, an arc length of 288.76 feet to a point of tangency, Centerline Station 88+14.32,

PC N 1136819.14, E 2772536.94;

Thence north 08 degrees 03 minutes 11 seconds east a distance of 124.00 feet to a point of curvature, Centerline Station 89+38.32,

PC N 1136941.91, E 2772554.31;

Thence northerly along a curve to the left having a radius of 800.00 feet, an arc length of 104.31 feet to a point of tangency, Centerline Station 90+42.63,

PC N 1137045.85, E 2772562.16;

Thence north 00 degrees 34 minutes 56 seconds east a distance of 49.94 feet to a point, Centerline Station 90+92.56,

PC N 1137095.79, E 2772562.67;

Thence south 89 degrees 25 minutes 04 seconds east a distance of 18.00 feet to a point, Centerline Station 91+10.56 (Back) = Station 90+92.56 (Ahead),

PC N 1137095.61, E 2772580.66;

Thence north 00 degrees 34 minutes 56 seconds east a distance of 176.45 feet to the centerline of Shoal Creek Parkway, Centerline Station,

PC N 1137272.05, E 2772582.46;

Thence north 00 degrees 34 minutes 56 seconds east a distance of 176.45 feet to a point, Centerline Station 94+45.46 (Back) = Station 94+81.47 (Ahead),

PC N 1137448.49, E 2772584.25;

ORDINANCE NO. 180811

Thence north 89 degrees 25 minutes 00 seconds west a distance of 18.00 feet to a point, Centerline Station 94+99.47 (Back) = Sta 94+81.47 (Ahead),

PC N 1137448.67, E 2772566.26;

Thence northerly along a curve to the right having a radius of 489.00 feet and an initial tangent bearing of north 00 degrees 34 minutes 56 seconds east, an arc length of 131.78 feet to a point of reverse curvature, Centerline Station 96+13.25,

PC N 1137578.68, E 2772585.22;

Thence northerly along a curve to the left having a radius of 511.00 feet, an arc length of 57.76 feet to a point of tangency, Centerline Station 96+71.01,

PC N 1137634.98, E 2772598.00;

Thence north 09 degrees 32 minutes 48 seconds east a distance of 60.79 feet to a point of curvature, Centerline Station 97+31.81,

PC N 1137694.93, E 2772608.08;

Thence northerly along a curve to the left having a radius of 125.00 feet, an arc length of 22.98 feet to the point of tangency, Centerline Station 97+54.79,

PC N 1137717.81, E 2772609.79;

Thence north 00 degrees 59 minutes 15 seconds west a distance of 0.33 feet to the point of terminus, Centerline Station 97+55.12,

PC N 1137718.14, E 2772609.79;

Street grades for N. Woodland Avenue (Maplewoods Parkway Southbound):

Begin new profile at centerline Sta. 6+54.66, match grade as shown on plans.

| STATION | Slope | ELEVATION |
|-------------|---------------|-----------|
| 6+54.66 PVC | 0.00 | 986.18 |
| 7+04.66 PVI | | 986.18 |
| 7+54.66 PVT | -2.00 percent | 985.19 |

Length of vertical curve is 100.00 feet.
K=50.2

| | | |
|-------------|---------------|--------|
| 8+01.98 PVI | -2.00 percent | 984.24 |
|-------------|---------------|--------|

ORDINANCE NO. 180811

96th Street Roundabout

| | | |
|--------------|---------------|--------|
| 11+32.41 PVI | | 979.68 |
| 12+69.07 PVC | -3.00 percent | 975.58 |
| 15+39.07 PVI | | 967.48 |
| 18+09.07 PVT | +5.10 percent | 981.25 |

Length of vertical curve is 540.00 feet.

K=66.7

| | | |
|--------------|---------------|---------|
| 21+70.00 PVC | +5.10 percent | 999.66 |
| 23+20.00 PVI | | 1007.31 |
| 24+70.00 PVT | -1.50 percent | 1005.06 |

Length of vertical curve is 300.00 feet.

K=45.5

| | | |
|--------------|---------------|---------|
| 25+29.65 PVC | -1.50 percent | 1004.16 |
| 26+79.65 PVI | | 1001.91 |
| 28+29.65 PVT | +3.57 percent | 1007.27 |

Length of vertical curve is 300.00 feet.

K=59.2

| | | |
|--------------|---------------|---------|
| 28+93.15 PVC | +3.57 percent | 1009.53 |
| 30+79.55 PVI | | 1016.19 |
| 32+65.95 PVT | -4.11 percent | 1008.53 |

Length of vertical curve is 372.80 feet.

K=48.5

| | | |
|--------------|---------------|---------|
| 32+99.51 PVC | -4.11 percent | 1007.15 |
| 33+99.51 PVI | | 1003.04 |
| 34+99.51 PVT | -1.00 percent | 1002.04 |

Length of vertical curve is 200.00 feet.

K=64.3

| | | |
|--------------|---------------|---------|
| 35+03.56 PVI | -1.00 percent | 1002.00 |
|--------------|---------------|---------|

100th Street Roundabout

| | | |
|--------------|---------------|---------|
| 38+16.22 PVI | | 1002.00 |
| 38+20.00 PVC | +1.24 percent | 1002.05 |
| 38+95.00 PVI | | 1002.98 |

ORDINANCE NO. 180811

39+70.00 PVT +4.40 percent 1006.28

Length of vertical curve is 150.00 feet.
K=47.5

39+70.00 PVC +4.40 percent 1006.28
40+95.00 PVI 1011.78
42+20.00 PVT -4.10 percent 1006.65

Length of vertical curve is 250.00 feet.
K=29.4

42+20.00 PVC -4.10 percent 1006.65
44+00.00 PVI 999.27
45+80.00 PVT +1.79 percent 1002.49

Length of vertical curve is 360.00 feet.
K=61.1

46+00.00 PVC +1.79 percent 1002.84
47+00.00 PVI 1004.63
48+00.00 PVT -2.37 percent 1002.26

Length of vertical curve is 200.00 feet.
K=48.1

48+40.00 PVC -2.37 percent 1001.31
49+40.00 PVI 998.94
50+40.00 PVT -4.52percent 994.42

Length of vertical curve is 200.00 feet.
K=93.0

51+16.24 PVC -4.52 percent 990.97
53+06.24 PVI 982.38
54+96.24 PVT +3.39 percent 988.82

Length of vertical curve is 380.00 feet.
K=48.0

56+50.25 PVC +3.39 percent 994.04
57+50.25 PVI 997.43
58+50.25 PVT +1.62 percent 999.05

Length of vertical curve is 200.00 feet.
K=113.0

ORDINANCE NO. 180811

| | | |
|--------------|---------------|---------|
| 63+00.00 PVC | +1.62 percent | 1006.34 |
| 65+50.00 PVI | | 1010.39 |
| 68+00.00 PVT | +5.02 percent | 1022.94 |

Length of vertical curve is 500.00 feet.
K=147.1

| | | |
|--------------|---------------|---------|
| 69+80.00 PVC | +5.02 percent | 1031.97 |
| 70+80.00 PVI | | 1036.99 |
| 71+80.00 PVT | +1.75 percent | 1038.74 |

Length of vertical curve is 200.00 feet.
K=61.2

| | | |
|--------------|---------------|---------|
| 71+89.88 PVI | +1.75 percent | 1038.91 |
|--------------|---------------|---------|

106th Street Roundabout

| | | |
|--------------|---------------|---------|
| 77+30.07 PVI | | 1043.83 |
| 78+65.00 PVC | +1.00 percent | 1045.18 |
| 80+00.00 PVI | | 1046.53 |
| 81+35.00 PVT | -1.59 percent | 1044.38 |

Length of vertical curve is 270.00 feet.
K=104.2

| | | |
|--------------|---------------|---------|
| 81+35.00 PVC | -1.59 percent | 1044.38 |
| 82+00.00 PVI | | 1043.35 |
| 82+65.00 PVT | -4.00percent | 1040.75 |

Length of vertical curve is 130.00 feet.
K=53.9

| | | |
|--------------|---------------|---------|
| 87+70.00 PVC | -4.00 percent | 1020.55 |
| 89+20.00 PVI | | 1014.55 |
| 90+70.00 PVT | +2.00 percent | 1017.55 |

Length of vertical curve is 300.00 feet.
K=50.0

| | | |
|--------------|---------------|---------|
| 90+92.56 PVI | +2.00 percent | 1018.00 |
|--------------|---------------|---------|

Shoal Creek Parkway Roundabout

| | | |
|--------------|--|---------|
| 94+81.47 PVI | | 1024.30 |
|--------------|--|---------|

ORDINANCE NO. 180811

| | | |
|--------------|---------------|---------|
| 94+81.47 PVC | +2.00 percent | 1024.30 |
| 95+56.47 PVI | | 1025.80 |
| 96+31.47 PVT | +7.12 percent | 1031.14 |

Length of vertical curve is 150.00 feet.

K=29.3

| | | |
|--------------|---------------|---------|
| 96+35.12 PVC | +7.12 percent | 1031.40 |
| 96+95.11 PVI | | 1035.67 |
| 97+55.11 PVT | 3.12 percent | 1037.54 |

Length of vertical curve is 120.00 feet.

K=30.0

Right of way for N. Woodland Avenue:

Width of the right of way based off of the new centerline of N. Woodland Avenue.

| Feet Left | Centerline Station | Feet Right |
|-----------|--------------------|------------|
| | 6+00.00 | 124.54 |
| | 9+07.02 | 124.39 |
| | 10+19.76 | 77.75 |
| | 14+47.30 | 39.81 |
| | 16+59.55 | 38.64 |
| | 21+16.38 | 36.33 |
| | 35+06.56 | 36.33 |
| | 35+24.13 | 54.33 |
| 28.88 | 59+25.35 | |
| 28.88 | 62+23.16 | |
| 28.00 | 62+99.27 | |
| 27.96 | 63+75.33 | |
| 30.28 | 65+81.35 | |
| 28.50 | 73+01.47 | |
| 30.50 | 73+30.07 | |
| 32.99 | 75+18.70 | |
| 70.59 | 76+08.93 | |
| 32.39 | 82+50.72 | |
| 28.30 | 83+35.04 | |
| 28.00 | 84+01.66 | |
| 31.24 | 86+04.89 | |
| 59.00 | 90+87.34 | |
| 154.82 | 91+56.70 | |
| 111.94 | 93+72.96 | |
| 77.00 | 94+07.91 | |

ORDINANCE NO. 180811

Section 5. That this ordinance shall become effective as provided in Section 88.917, RSMo.

Section 6. That upon the effective date of this ordinance, the City Clerk is hereby directed to cause this ordinance to be recorded in the office of the Recorder of Deeds for Kansas City, Clay County, Missouri.

Approved as to form and legality:



Matthew Cooper
Assistant City Attorney



Authenticated as Passed



Sly James, Mayor



Marilyn Sanders, City Clerk

OCT 25 2018

Date Passed