

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0660-01	2019	46	198



STREET IMPROVEMENTS FOR
MT. VERNON IMPROVEMENTS
BROADWAY TO SOUTHEAST BLVD.

STORM WATER SEWER POINTS				
Point #	Station/Offset	Northing	Easting	Desc.
5000	49+00.00/0.55' RT.	1675254.969	1649873.137	CONNECT TO EXIST.
5001	49+84.43/0.46' RT.	1675256.915	1649957.542	RCMH
5002	49+84.43/21.33' LT.	1675278.700	1649957.064	CURB INLET
5003	49+84.43/21.33' RT.	1675236.050	1649958.001	CURB INLET
5004	50+46.21/0.00'	1675258.732	1650019.299	RCMH
5005	50+38.38/56.00' RT.	1675202.574	1650012.699	MH
5006	50+45.23/56.00' RT.	1675202.724	1650019.550	CURB INLET
5007	50+15.08/56.00' RT.	1675202.062	1649989.402	CURB INLET
5008	52+10.79/0.00'	1675262.348	1650183.842	RCMH
5009	52+32.79/0.00'	1675262.831	1650205.837	RCMH
5010	53+96.48/0.00' LT.	1675266.427	1650369.488	RCMH
5011	53+97.59/44.50' LT.	1675310.940	1650369.617	CURB INLET
5012	54+20.73/44.50' LT.	1675311.449	1650392.751	RCMH
5013	54+27.65/44.50' LT.	1675311.601	1650399.666	CURB INLET
5014	53+95.31/56.00' RT.	1675210.414	1650369.540	CURB INLET
5015	54+25.58/56.00' RT.	1675211.079	1650399.804	CURB INLET
5016	54+85.43/0.00'	1675268.381	1650458.413	RCMH
5017	54+85.43/21.33' LT.	1675289.706	1650457.945	CURB INLET
5018	54+85.43/21.33' RT.	1675247.056	1650458.882	CURB INLET
5019	55+90.38/0.00'	1675270.686	1650563.340	RCMH
5020	56+12.38/0.00'	1675271.170	1650585.335	RCMH
5021	57+74.71/0.00'	1675274.735	1650747.618	RCMH
5022	57+75.38/44.50' LT.	1675319.239	1650747.313	CURB INLET
5023	58+05.39/44.50' LT.	1675319.899	1650777.314	CURB INLET
5024	57+75.22/44.50' RT.	1675230.257	1650749.107	CURB INLET
5025	58+05.06/44.50' RT.	1675230.913	1650778.938	CURB INLET
5026	58+70.00/5.84' RT.	1675270.989	1650843.017	RCMH
5027	58+70.00/21.33' LT.	1675298.154	1650842.421	CURB INLET
5028	58+70.00/21.33' RT.	1675255.504	1650843.358	CURB INLET
5029	59+54.08/11.00' RT.	1675267.683	1650927.190	RCMH
5030	59+54.08/21.33' LT.	1675300.001	1650926.480	CURB INLET
5031	59+54.08/21.33' RT.	1675257.351	1650927.417	CURB INLET
5032	61+52.94/11.00' RT.	1675272.051	1651126.002	RCMH
5033	61+56.44/142.11' LT.	1675425.200	1651126.137	CURB INLET
5034	61+56.58/156.11' LT.	1675439.195	1651125.970	CURB INLET

STORM WATER SEWER POINTS				
Point #	Station/Offset	Northing	Easting	Desc.
5035	61+86.74/170.79' LT.	1675454.540	1651155.798	CURB INLET
5036	61+86.49/141.81' LT.	1675425.560	1651156.186	CURB INLET
5037	61+55.20/46.00' RT.	1675237.105	1651129.030	CURB INLET
5038	61+85.41/46.00' RT.	1675237.769	1651159.236	CURB INLET
5039	63+34.53/11.00' RT.	1675276.040	1651307.552	MH
5040	63+34.57/21.33' LT.	1675308.359	1651306.874	CURB INLET
5041	63+84.28/21.33' LT.	1675309.451	1651356.572	CURB INLET
5042	63+62.03/11.00' RT.	1675276.644	1651335.045	MH
5043	63+62.03/21.33' RT.	1675266.313	1651335.272	CURB INLET
5044	65+30.25/11.00' RT.	1675280.338	1651503.226	MH
5045	65+28.41/42.29' LT.	1675333.571	1651500.208	DROP INLET (DBL-DBL)
5046	65+28.75/58.29' RT.	1675233.027	1651502.766	END SECTION
5047	65+66.59/10.50' RT.	1675281.634	1651539.546	MH
5048	65+64.86/73.66' LT.	1675365.739	1651535.963	END SECTION
5049	65+67.31/72.42' RT.	1675219.744	1651541.621	END SECTION
5050	67+72.00/10.50' RT.	1675286.146	1651744.902	MH
5051	67+75.00/21.33' LT.	1675318.034	1651747.202	CURB INLET
5052	67+72.00/21.33' RT.	1675275.319	1651745.140	CURB INLET
5053	69+13.36/10.50' RT.	1675289.251	1651886.224	MH
5054	69+14.96/44.50' LT.	1675344.273	1651886.615	CURB INLET
5055	69+44.90/44.50' LT.	1675344.931	1651916.548	CURB INLET
5056	69+69.54/10.50' RT.	1675290.485	1651942.391	MH
5057	69+68.90/21.33' LT.	1675322.294	1651941.052	CURB INLET
5058	69+69.54/21.33' RT.	1675279.658	1651942.629	CURB INLET
5059	72+55.00/10.50' RT.	1675296.756	1652227.786	RCMH
5060	72+55.00/21.33' LT.	1675328.579	1652227.086	CURB INLET
5061	72+57.02/21.33' RT.	1675285.973	1652230.044	CURB INLET
5062	72+81.75/10.50' RT.	1675297.344	1652254.532	RCMH
5063	72+84.25/55.83' LT.	1675363.708	1652255.573	CURB INLET
5064	73+24.12/56.75' LT.	1675365.519	1652295.396	DRIVE INLET
5065	73+24.13/67.75' LT.	1675376.516	1652295.152	DRIVE INLET
5066	73+24.98/10.50' RT.	1675298.301	1652297.756	RCMH
5067	73+24.90/22.50' RT.	1675286.302	1652297.943	COLLAR
5068	73+52.66/10.50' RT.	1675298.918	1652325.425	RCMH
5069	73+53.62/21.33' LT.	1675330.762	1652325.676	CURB INLET

STORM WATER SEWER POINTS				
Point #	Station/Offset	Northing	Easting	Desc.
5070	73+52.66/21.33' RT.	1675288.091	1652325.667	CURB INLET
5071	74+66.79/10.50' RT.	1675301.464	1652439.530	RCMH
5072	74+66.79/21.33' LT.	1675333.286	1652438.820	CURB INLET
5073	77+02.40/10.50' RT.	1675306.718	1652675.074	RCMH
5074	76+92.20/44.50' LT.	1675361.477	1652663.652	CURB INLET
5075	76+62.05/44.50' LT.	1675360.804	1652633.507	CURB INLET
5076	77+02.95/36.94' LT.	1675354.163	1652674.572	MH
5077	77+02.40/21.33' RT.	1675295.891	1652675.316	CURB INLET
5078	78+60.98/10.50' RT.	1675310.255	1652833.622	RCMH
5079	78+60.98/31.72' LT.	1675352.463	1652832.680	DROP INLET (SINGLE)
5080	79+84.01/10.50' RT.	1675312.999	1652956.622	RCMH
5081	79+84.01/21.33' LT.	1675344.821	1652955.912	CURB INLET
5082	79+81.51/21.33' RT.	1675302.116	1652954.364	CURB INLET
5083	80+44.78/10.50' RT.	1675314.354	1653017.373	RCMH
5084	80+52.07/44.50' LT.	1675369.503	1653023.433	CURB INLET
5085	80+41.82/42.00' LT.	1675366.775	1653013.239	MH
5086	80+22.11/44.50' LT.	1675368.835	1652993.486	CURB INLET
5087	80+38.05/44.50' RT.	1675280.212	1653011.406	CURB INLET
5088	80+08.01/44.50' RT.	1675279.542	1652981.375	CURB INLET
5089	80+76.04/10.50' RT.	1675315.051	1653048.625	RCMH
5090	80+75.91/21.33' LT.	1675346.870	1653047.783	CURB INLET
5091	80+76.04/21.33' RT.	1675304.224	1653048.867	CURB INLET
5092	83+59.62/10.50' RT.	1675321.375	1653332.131	RCMH
5093	84+75.95/10.50' RT.	1675323.970	1653448.435	RCMH
5094	88+20.00/10.50' RT.	1675331.643	1653792.400	RCMH
5095	88+20.00/21.33' LT.	1675363.465	1653791.690	CURB INLET
5096	88+20.00/21.33' RT.	1675320.816	1653792.642	CURB INLET
5097	88+40.31/10.50' RT.	1675332.096	1653812.704	RCMH
5098	90+21.83/10.50' RT.	1675336.144	1653994.184	RCMH
5099	93+14.86/15.43' RT.	1675337.750	1654287.251	RCMH
5100	93+14.86/14.61' LT.	1675367.786	1654286.580	RCMH
5101	93+14.86/24.83' LT.	1675378.001	1654286.353	CURB INLET

CONTROL POINTS					
Point #	Station/Offset	Northing	Easting	Elevation	Desc.
2000	90+14.19/109.86' RT.	1675236.639	1653988.758	1288.363	BM 16
2001	49+93.17/19.22' RT.	1675238.350	1649966.690	1289.710	CP
2002	53+85.23/30.28' RT.	1675235.910	1650358.900	1289.830	CP
2003	61+92.37/21.86' RT.	1675262.060	1651165.660	1289.720	CP
2004	69+03.58/33.51' RT.	1675266.030	1651876.960	1289.170	CP
2005	73+41.17/20.82' LT.	1675329.970	1652313.240	1288.740	CP
2006	80+08.96/33.39' LT.	1675357.430	1652980.580	1288.740	CP
2007	86+54.98/33.20' RT.	1675305.270	1653627.930	1288.920	CP
2008	90+41.86/33.87' LT.	1675380.950	1654013.220	1289.480	CP
2009	93+39.19/38.63' RT.	1675315.100	1654312.090	1288.830	CP
2010	47+96.91/18.75' LT.	1675272.005	1649769.651	1288.714	BM 100.81
2011	54+25.95/35.35' RT.	1675231.736	1650399.718	1289.573	BM 101.66
2012	80+38.62/39.73' RT.	1675284.990	1653011.862	1287.899	BM 100.00
2013	58+23.80/21.72' LT.	1675297.530	1650796.220	1290.060	SDMD
2014	61+85.92/42.50' RT.	1675241.279	1651159.667	1289.442	BM 101.56
2015	73+38.48/21.18' LT.	1675330.271	1652310.547	1288.241	BM 100.35
2016	90+35.96/82.88' RT.	1675264.100	1654009.916	1289.026	SDMD

BASELINE POINTS				
Point #	Station/Offset	Northing	Easting	Desc.
1000	48+00.00/0.00'	1675253.324	1649773.147	BL
1001	73+03.99/0.00'	1675308.330	1652276.530	BL
1002	94+00.00/0.00'	1675355.076	1654372.022	BL

PROJECT SURVEY CONTROL:

The Project Horizontal Datum is based on Kansas State Plane Coordinate System using City of Wichita Network, with a Combined Adjustment Factor (CAF) of 1.000120014. All coordinate and dimensions shown on these plans are modified to Ground values.

The following equations can be used for conversion:
 Ground Coordinates to State Plane Coordinates = Ground x 1/CAF
 State Plane Coordinates to Ground Coordinates = State Plane x CAF

The Vertical Datum used is NAVD88.

NOTE:
 THE LOCATION GIVEN FOR CURB INLETS TYPE 1 AND TYPE 1/A ARE AT THE INSIDE FACE OF THE INLET.
 THE LOCATION GIVEN FOR MANHOLES IS AT THE CENTER OF THE MANHOLE.
 THE LOCATION GIVEN FOR DROP INLETS AND DRIVE INLETS IS AT THE CENTER OF THE INLET.

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STORM SEWER BUBBLE MAP

PROJECT NO.	87 N-0660-01	
DATE	8/19/2019	
SCALE	1"=40'	
DESIGNED	DRAWN	CHECKED
JRA	WNJ	JRA
NO.	REVISION	DATE

SHEET NO.
46 OF 198

PLOTTED: Friday, August 23, 2019 @ 03:49PM
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