MKEC
Wichita, KS • 316-684-9600

STREET IMPROVEMENTS FOR
17TH ST - BROADWAY TO I-135
FROM BROADWAY TO I-135

SUMMARY OF QUANTITIES - STORM SEWER PIPE AND STRUCTURES*

PIPES

LINE NO.	Pipe, SWS 15" RCP (lf)	Pipe, SWS 18" RCP (lf)	Pipe, SWS 24" RCP (lf)	Pipe, SWS 24" RCP, Special (lf)	Pipe, SWS 30" RCP (lf)	Pipe, SWS 36" RCP (lf)	Pipe, SWS 48" RCP (lf)	Pipe, SWS 48" RCP Special (lf)	Pipe, SWS, HERCP (14"X23") {18"} (lf)	Pipe, SWS, HERCP (34"X53") {42"} (lf)	Pipe, SWS, HERCP (38"X60") {48"} (lf)	Pipe, SWS, RCBC (5'x3') (lf)	Pipe, SWS, RCBC (8'x3') (lf)	Pipe, SWS, RCBC (8'x5') (lf)	Pipe, SWS, RCBC (8'x5'), Special (lf)	Pipe, SWS, RCBC (8'x5'), Watertight (lf)	Fill, Sand (Flushed & Vibrated) (lf)
1							89.8	184.0				18.0	513.0	583.4	66.0	896.2	1,815.5
2			45.4				62.3	109.0		427.7	37.4	707.5					1,389.3
3			56.5		31.8												56.5
4			33.5		58.5												92.0
5		42.9															26.3
6			29.3														29.3
7		80.8															80.8
8					34.1	56.0											90.1
9		77.9	26.3														104.2
10		29.3															29.3
10A	43.5																43.5
10B	35.0																35.0
11		29.3															29.3
12		29.2															29.2
13		51.6															51.6
14			38.5														38.5
15	29.3																29.3
16		26.3															26.3
17	29.3																29.3
18		26.3	22.2				74.5										123.0
19		50.4	60.9														111.3
20	26.3																26.3
21		29.3															29.3
22		59.0															59.0
23		29.4															29.4
24		26.3															26.3
25			29.4														29.4
26									61.5								61.5
27	50.5	15.6															15.6
28	40.3																40.3
29		15.4															15.4
30	40.3																40.3
31	15.4																15.4
32		90.1	40.9	59.0		688.3											112.7
33		90.0	34.6														124.6
34	14.7		15.4														15.4
35		30.6	51.9														82.5
36		15.4															15.4
37	40.3																40.3
38	40.3																40.3
39			15.4														15.4
40		15.4															15.4
41			100.1														100.1
42		20.0															20.0
43	28.4	76.9															105.3
44	22.6																22.6
45		40.8															40.8
46			14.5														14.5
47	76.1																76.1
48		35.5															35.5
49	26.3																26.3
TOTALS	558.6	1033.7	614.8	59.0	124.4	744.3	226.6	293.0	61.5	427.7	37.4	725.5	513.0	583.4	66.0	896.2	5551.0

INLETS

LINE NO.	Inlet, Curb (Type 1) (L=5', W=3') (ea)	Inlet, Curb (Type 1) (L=10', W=3') (ea)	Inlet, Curb (Type 1) (L=10', W=4') (ea)	Inlet, Curb (Type 1) (L=10', W=5') (ea)	Inlet, Curb (Type 1) (L=10', W=6') (ea)	Inlet, Curb (Type 1) (L=15', W=3') (ea)	Inlet, Curb (Type 1) (L=15', W=4') (ea)	Inlet, Curb (Type 1A) (L=5', W=3'), Special (ea)	Inlet, Curb (Type 1A) (L=10', W=3'), Special (ea)	Inlet, Curb (Type 1A) (L=10', W=4'), Special (ea)	Inlet, Curb (Type 1A) (L=15', W=3'), Special (ea)	Inlet, Curb (Type 2) (L=6'-4", W=3'-4") (ea)	Inlet, Curb (Type 2) (L=6'-4", W=11'-0"), Special (ea)	Inlet, Grated Driveway, Double (ea)	Inlet, Drop (Single) (ea)	Inlet, Drop (Double) (ea)	Inlet, Drop (Double-Double) (ea)
1																	
2																	
3									1	2							
4						1	1										
5	1								1								
6									1								
7		2															
8		1		1													
9									1		1						
10									1								
10A															1		
10B															1		
11									1								
12									1								
13																1	
14																	1
15								1									
16									1								
17									1								
18					1							1					
19		1	1														
20									1								
21									1								
22																1	
23									1								
24									1								
25											1						
26		1															
27											1						
28									1								
29									1								
30									1								
31									1								
32												1	1				
33												2					
34									1						1		
35		1												1			
36									1								
37									1								
38									1								
39									1								
40									1								
41		1															
42		1															
43		1															
44		1															
45									1								
46									1								
47												1					
48																1	
49								1									
TOTALS	1	10	1	1	1	1	1	2	25	2	3	5	1	1	3	3	1

MANHOLES / **MISCELLANEOUS**

LINE NO.	MH, Std. SWS (5') (ea)	MH, Std. SWS (6') (ea)	MH, Shallow SWS (5') (ea)	MH, Shallow SWS (5'), Doghouse (ea)	MH, Shallow SWS (4') (ea)	MH Stack (4') (ea)	MH, Reinf. Conc. (L=7', W=4') (ea)	MH, Reinf. Conc. (L=7', W=5') (ea)	MH, Reinf. Conc. (L=10', W=4') (ea)	MH, Reinf. Conc. (L=10', W=7') (ea)	MH, Reinf. Conc. (L=14', W=4') (ea)	Pipe, SWS, PVC 4", Perforated (lf)	Inlet Hookup, Special (ea)	Inlet Hookup (ea)	Connection to Existing (ea)
1						16			2	1	2				2
2	1					2	11	1							2
3												54	3		
4												20		2	
5												32	1	1	
6												22	1		
7												20		2	
8												20		2	
9												48	2		
10												22	1		
10A															
10B															
11												22	1		
12												22	1		
13															
14															
15												17	1		
16												22	1		
17												22	1		
18	1											20		2	1
19												20		2	
20												22	1		
21												22	1		
22															
23												22	1		
24												22	1		
25												27	1		
26												10		1	
27					1							27	1		2
28												22	1		
29												22	1		
30												22	1		
31												22	1		
32		3										20	1	1	
33												20		2	
34												22	1		
35												20		2	
36												22	1		
37												22	1		
38												22	1		
39												22	1		
40												22	1		
41			1									10		1	
42												10		1	
43				1								10		1	1
44												10		1	
45												22	1		
46												22	1		
47												10		1	
48															
49												17	1		
TOTALS	2	3	1	1	1	18	11	1	2	1	2	926	33	22	8

✳ All pipe conduit is measured per linear feet and structures are measured per each.

End sections for storm sewer pipe and box culverts are subsidiary to the cost of the storm sewer pipe or box culverts.

Beehive frame and grate will be required on three (3) structures on SWS Line 32. Grates shall be EJIW Model 1205-02, Neenah Model R-2561 or Deeter Model 1967 or approved equal. No additional payment will be made for beehive grates.

©2019
MKEC Engineering
All Rights Reserved
www.mkec.com
These drawings and their contents, including, but not limited to, all concepts, designs, & ideas are the exclusive property of MKEC Engineering (MKEC), and may not be used or reproduced in any way without the express consent of MKEC.

STORM SEWER SUMMARY

PROJECT NO.	87 N-0662-01
DATE	8/30/2019
SCALE	NA

DESIGNED	DRAWN	CHECKED
JRA	WNJ	JRA

NO.	REVISION	DATE

PLOTTED: Tuesday, September 03, 2019 @ 11:57AM
J:\CIVIL\04177\DWG\SWS\04177-SWS SUMMARY.DWG