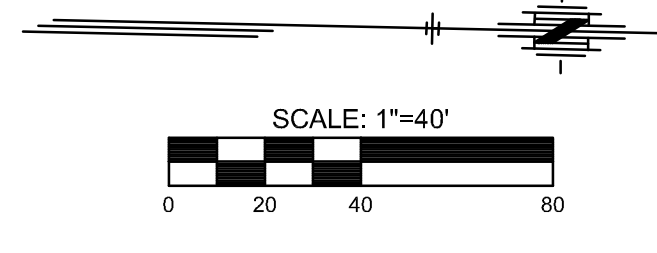
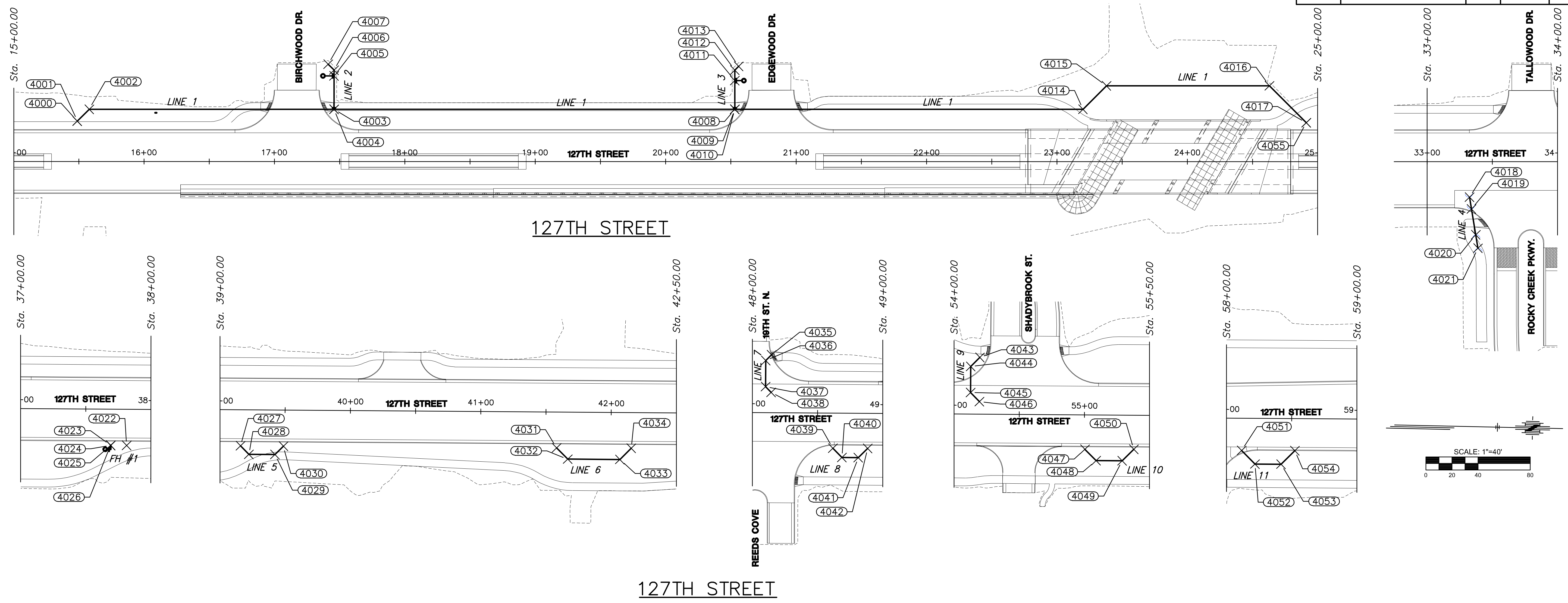


STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0615-01	2017	110	183



PLOTTED: Wednesday, November 29, 2017 @ 08:17PM  
 J:\PROJECTS\2017\140104290 - COWI\_127TH ST TO 21ST ST\CIVIL\CAO\WTR\14290CB01.DWG



WATER POINTS						
Point #	Station	Offset	Northing	Easting	Desc.	WTR LINE
4000	15+48.79	30.89' LT.	1695110.07	1691566.83	16" TAPPING SLEEVE & VALVE	1
4001	15+48.79	30.89' LT.	1695110.07	1691566.83	16" 45' BEND	1
4002	15+57.90	40.00' LT.	1695118.98	1691557.52	16" 45' BEND	1
4003	17+45.65	40.00' LT.	1695306.69	1691553.42	16"x8" TEE	1
4004	17+45.65	40.00' LT.	1695306.69	1691553.42	8" ANCH. VALVE ASSY.	1
4005	17+45.65	65.55' LT.	1695306.13	1691527.87	FH	2
4006	17+45.65	70.00' LT.	1695306.04	1691523.43	8" 45' BEND	2
4007	17+41.15	74.51' LT.	1695301.43	1691519.02	8" 45' BEND	2
4008	20+53.03	40.00' LT.	1695613.99	1691546.71	16"x8" TEE	1
4009	20+53.03	40.00' LT.	1695613.99	1691546.71	16" ANCH. VALVE ASSY.	1
4010	20+53.03	40.00' LT.	1695613.99	1691546.71	8" ANCH. VALVE ASSY.	1
4011	20+53.03	61.94' LT.	1695613.51	1691524.78	FH	3
4012	20+53.03	70.00' LT.	1695613.34	1691516.72	8" 45' BEND	3
4013	20+55.88	72.85' LT.	1695616.13	1691513.81	8" 45' BEND	3
4014	23+20.00	40.00' LT.	1695880.90	1691540.89	16" 45' BEND	1
4015	23+38.00	58.00' LT.	1695898.51	1691522.50	16" 45' BEND	1
4016	24+63.00	58.00' LT.	1696023.48	1691519.77	16" 45' BEND	1
4017	24+91.24	29.76' LT.	1696052.32	1691547.39	16" 45' BEND	1
4018	33+32.44	27.21' RT.	1696894.61	1691585.98	8" 45' BEND	4

WATER POINTS						
Point #	Station	Offset	Northing	Easting	Desc.	WTR LINE
4019	33+33.94	36.21' RT.	1696896.31	1691594.95	8" 45' BEND	4
4020	33+37.23	55.94' RT.	1696900.03	1691614.61	8" 45' BEND	4
4021	33+38.95	66.28' RT.	1696901.98	1691624.90	8" 45' BEND	4
4022	37+81.48	27.75' RT.	1697343.34	1691577.64	6" PLUG	FH #1
4023	37+69.20	27.74' RT.	1697331.06	1691577.82	16"x6" TAPPING SLEEVE & VALVE	FH #1
4024	37+69.20	27.74' RT.	1697331.06	1691577.82	6" 90° BEND	FH #1
4025	37+69.20	27.74' RT.	1697331.06	1691577.82	FH #1	FH #1
4026	37+69.20	27.74' RT.	1697331.06	1691577.82	6" 90° BEND	FH #1
4027	39+16.04	27.60' RT.	1697477.89	1691575.48	16" 45' BEND	5
4028	39+22.44	34.00' RT.	1697484.38	1691581.78	16" 45' BEND	5
4029	39+42.44	34.00' RT.	1697504.38	1691581.48	16" 45' BEND	5
4030	39+48.86	27.58' RT.	1697510.70	1691574.96	16" 45' BEND	5
4031	41+58.26	27.43' RT.	1697720.08	1691571.67	16" 45' BEND	6
4032	41+66.84	36.00' RT.	1697728.78	1691580.11	16" 45' BEND	6
4033	42+06.60	36.00' RT.	1697768.77	1691579.52	16" 45' BEND	6
4034	42+15.50	27.40' RT.	1697777.26	1691570.77	16" 45' BEND	6
4035	48+14.40	44.26' LT.	1698375.07	1691490.16	6" 45' BEND	7
4036	48+10.00	39.86' LT.	1698370.73	1691494.63	6" 45' BEND	7
4037	48+10.00	19.86' LT.	1698371.03	1691514.62	6" 45' BEND	7

WATER POINTS						
Point #	Station	Offset	Northing	Easting	Desc.	WTR LINE
4038	48+14.36	15.50' LT.	1698375.45	1691518.91	6" 45' BEND	7
4039	48+61.85	26.92' RT.	1698423.58	1691560.62	16" 45' BEND	8
4040	48+68.94	34.00' RT.	1698430.77	1691567.59	16" 45' BEND	8
4041	48+81.46	34.00' RT.	1698443.29	1691567.40	16" 45' BEND	8
4042	48+88.56	26.90' RT.	1698450.28	1691560.20	16" 45' BEND	8
4043	54+19.55	43.47' LT.	1698980.16	1691481.88	8" 45' BEND	9
4044	54+12.58	36.50' LT.	1698973.29	1691488.95	8" 45' BEND	9
4045	54+12.58	16.50' LT.	1698973.59	1691508.95	8" 45' BEND	9
4046	54+19.50	9.58' LT.	1698980.62	1691515.77	8" 45' BEND	9
4047	55+00.50	26.34' RT.	1699062.15	1691550.46	16" 45' BEND	10
4048	55+09.17	35.00' RT.	1699070.94	1691558.99	16" 45' BEND	10
4049	55+29.17	35.00' RT.	1699090.94	1691558.70	16" 45' BEND	10
4050	55+38.02	26.15' RT.	1699099.66	1691549.71	16" 45' BEND	10
4051	58+11.86	24.75' RT.	1699373.44	1691544.21	16" 45' BEND	11
4052	58+22.10	35.00' RT.	1699383.84	1691554.30	16" 45' BEND	11
4053	58+42.10	35.00' RT.	1699403.84	1691554.00	16" 45' BEND	11
4054	58+52.56	24.54' RT.	1699414.14	1691543.39	16" 45' BEND	11
4055	24+91.24	29.76' LT.	1696052.32	1691547.39	16" ANCH. VALVE ASSY.	1

STREET IMPROVEMENTS FOR  
**127TH STREET EAST**  
 FROM 13TH STREET NORTH TO 21ST STREET NORTH

©2017  
 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.

**WATER LINE BUBBLE MAP**

PROJECT NO.	472-85158	
DATE	11/29/17	
SCALE	1"=40'	
DESIGNED	DRAWN	CHECKED
JRA	RAM	JRA
NO.	REVISION	DATE