

WATERLINE NO. 1 COORDINATE LIST				
POINT	NORTHING	EASTING	STATION	DESCRIPTION
5000	26,535.3360	16,008.9120	0+00.00	BLOWOFF
5001	26,500.4309	15,988.7190	0+40.33	PC
5002	26,428.7493	15,941.5457	1+26.25	PT
5003	26,349.7888	15,881.3989	2+25.46	PC
5004	26,297.9154	15,846.9422	2+87.78	HYDRANT
5005	26,219.4925	15,810.7880	3+74.25	PT
5006	26,157.8001	15,788.8069	4+39.74	BEND
5007	26,136.6268	15,798.9536	4+63.22	BEND
5008	26,105.5837	15,788.0245	4+96.13	BEND
5009	26,091.3610	15,758.3457	5+29.04	BEND
5010	26,102.2900	15,727.3026	5+61.96	BEND
5011	26,131.9689	15,713.0798	5+94.87	BEND
5012	26,147.9707	15,718.7135	6+11.83	BLOWOFF

WATERLINE NO. 2 COORDINATE LIST				
POINT	NORTHING	EASTING	STATION	DESCRIPTION
5013	26,958.2170	15,459.9550	0+00.00	BLOWOFF-PC
5014	26,977.7553	15,348.3490	1+13.75	PT
5015	26,978.6463	15,247.3073	2+14.79	CROSS
5016	26,980.4006	15,048.3414	4+13.76	BEND
5017	26,995.3943	15,004.6482	4+59.96	TEE
5018	27,003.6399	14,980.6199	4+85.36	TEE/BEND
5019	27,011.4344	14,931.2312	5+08.65	BEND
5020	27,012.1895	14,845.5875	6+21.65	BLOWOFF

WATERLINE NO. 3 COORDINATE LIST				
POINT	NORTHING	EASTING	STATION	DESCRIPTION
5015	26,978.6463	15,247.3073	0+00.00	TEE
5021	27,465.6273	15,251.6012	4+87.00	HYDRANT
5022	27,522.6251	15,252.1038	5+44.00	TEE

WATERLINE NO. 4 COORDINATE LIST				
POINT	NORTHING	EASTING	STATION	DESCRIPTION
5022	27,522.6251	15,252.1038	0+00.00	TEE
5023	27,520.4959	15,493.5808	2+41.49	BEND
5024	27,536.4354	15,508.6135	2+63.40	BEND
5025	27,537.3986	15,541.5102	2+96.31	BEND
5026	27,514.8182	15,565.4527	3+29.22	BEND
5027	27,481.9215	15,566.4158	3+62.13	BEND
5028	27,457.9790	15,543.8354	3+95.04	BEND
5029	27,457.4825	15,526.8781	4+12.00	BLOWOFF

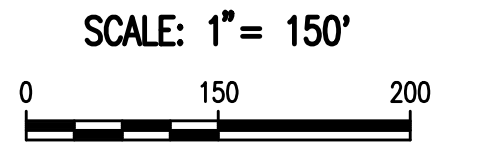
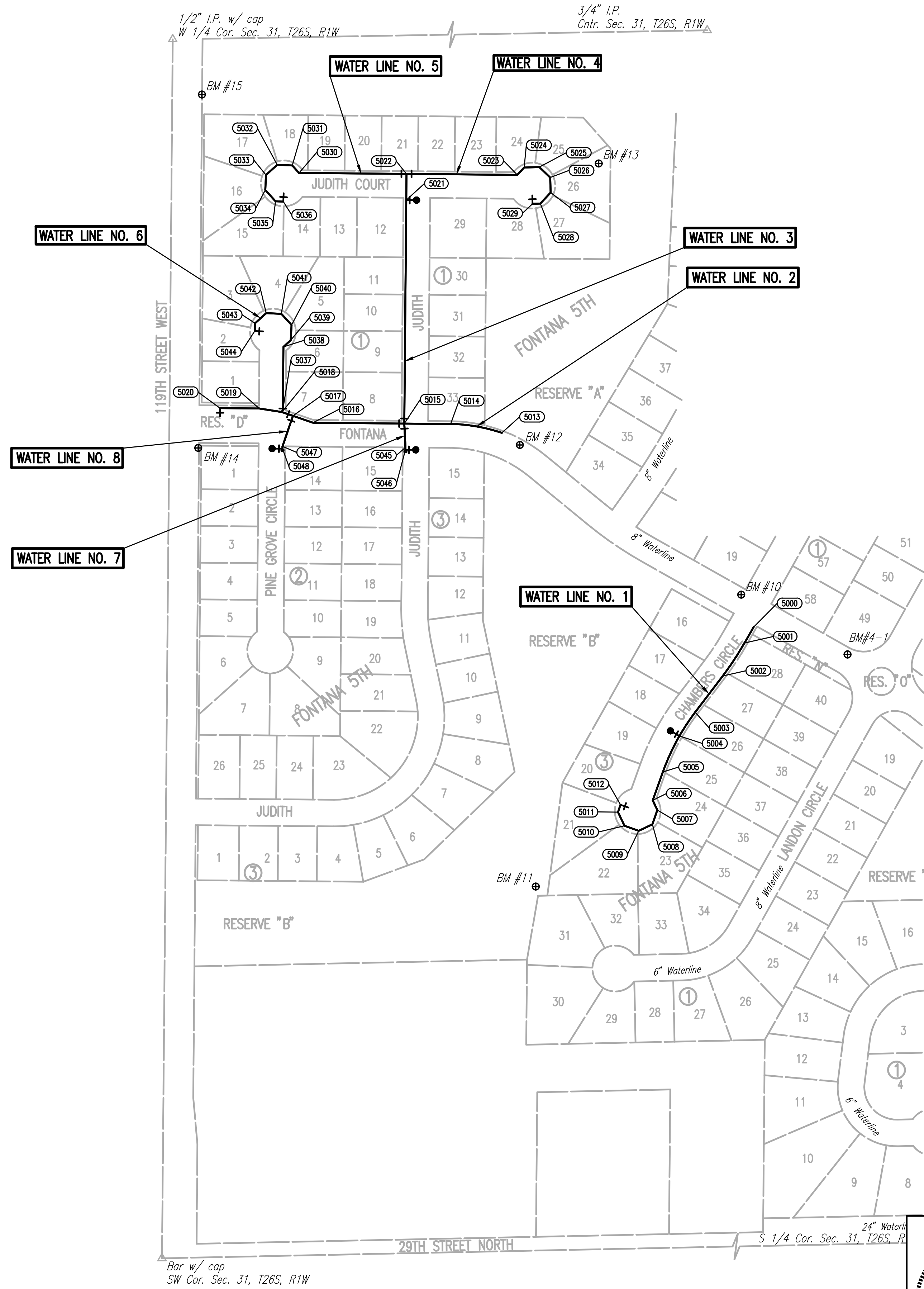
WATERLINE NO. 5 COORDINATE LIST				
POINT	NORTHING	EASTING	STATION	DESCRIPTION
5022	27,522.6251	15,252.1038	0+00.00	TEE
5030	27,524.6900	15,017.9209	2+34.19	BEND
5031	27,540.8921	15,003.1716	2+56.10	BEND
5032	27,542.4352	14,970.2970	2+89.01	BEND
5033	27,520.2805	14,945.9601	3+21.92	BEND
5034	27,487.4059	14,944.4170	3+54.83	BEND
5035	27,463.0689	14,966.5717	3+87.75	BEND
5036	27,462.2735	14,983.5177	4+04.71	BLOWOFF

WATERLINE NO. 6 COORDINATE LIST				
POINT	NORTHING	EASTING	STATION	DESCRIPTION
5018	27,003.6399	14,980.6199	0+00.00	TEE
5037	27,009.3150	14,982.5674	0+06.00	BEND
5038	27,145.8595	14,983.7714	1+42.55	BEND
5039	27,160.6087	14,999.9735	1+64.46	BEND
5040	27,193.4833	15,001.5166	1+97.37	BEND
5041	27,217.8203	14,979.3619	2+30.28	BEND
5042	27,219.3634	14,946.4873	2+63.19	BEND
5043	27,197.2087	14,922.1503	2+96.10	BEND
5044	27,180.2627	14,921.3549	3+13.07	BLOWOFF

WATERLINE NO. 7 COORDINATE LIST				
POINT	NORTHING	EASTING	STATION	DESCRIPTION
5015	26,978.6463	15,247.3073	0+00.00	TEE
5045	26,926.5689	15,249.7601	0+52.13	DEFLECTION
5046	26,921.5691	15,249.8042	0+57.13	HYDRANT

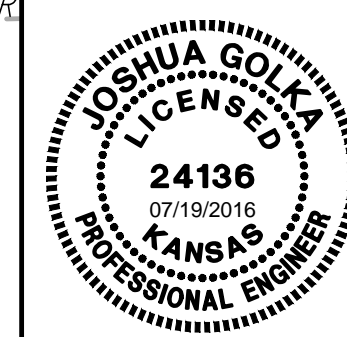
WATERLINE NO. 8 COORDINATE LIST				
POINT	NORTHING	EASTING	STATION	DESCRIPTION
5017	26,995.3943	15,004.6482	0+00.00	TEE
5047	26,928.9848	14,981.8591	0+70.21	DEFLECTION
5048	26,923.9850	14,981.8150	0+75.21	HYDRANT


5000 = COORDINATE POINT NO.
SEE SHEET NO. 3 AND 4 FOR PLAT COORDINATES



- BENCH MARK LIST**
- BM #10 - BRASS DISK ON TOP OF CURB, AT PT ON NORTH SIDE OF FONTANA, AT THE NORTHWEST CURB RETURN AT CHAMBERS. ELEV.=1363.47 (NAVD88)
 - BM #11 - "T" POST ±20' NORTH AND ±5' WEST OF THE SOUTHWEST CORNER OF LOT 22, BLOCK 3, FONTANA 5TH ADDITION. ELEV.=1362.72 (NAVD88)
 - BM #12 - CHISELED "d" ON TOP OF CURB, AT THE SOUTHWEST CORNER OF THE CURB INLET ON THE NORTH SIDE OF FONTANA, 600'± WEST OF CHAMBERS. ELEV.=1360.36 (NAVD88)
 - BM #13 - "T" POST ±40' SOUTH AND ±45' EAST OF THE NORTHEAST CORNER OF LOT 26, BLOCK 1, FONTANA 5TH ADDITION. ELEV.=1357.81 (NAVD88)
 - BM #14 - "T" POST 2' SOUTH OF POWER POLE, 3RD SINGLE POLE SOUTH OF THE WEST 1/4 COR., SEC. 31 NEAR THE NORTHWEST CORNER OF LOT 1, BLOCK 2, FONTANA 5TH ADDITION. ELEV.=1358.54 (NAVD88)
 - BM #15 - "T" POST 2' SOUTH OF THE FIRST POWER POLE SOUTH OF THE EAST-WEST "H" STRUCTURE LINE, EAST SIDE OF 119TH ±120' SOUTH OF THE W 1/4 COR., SEC 31. ELEV.=1357.32 (NAVD88)
 - BM #4-1 - CHISELED "d" ON TOP OF CURB, NORTH SIDE (08389-002) OF FONTANA, AT PT CURB AND ± 95' WEST OF E COVINGTON AND LONDON CIRCLE. ELEV.=1364.80 (NAVD88)
ELEV.=1364.34 (NGVD29)
ELEV.=176.94 (CITY)

Sowed 03-28-2016 3:34:26 PM by CSJ
 Plot Scale 1:1 07-19-2016 5:24:08 PM by CSJ
 U:\Wichita-Civil\2015\15631\001\Drawings\15631-001-COS WATERLINE BUBBLE MAP



No.	Revision	By	Date
FONTANA 5TH - PHASE 1 WATERLINE IMPROVEMENTS WATERLINE BUBBLE MAP GARY JANZEN, P.E. - CITY ENGINEER CITY OF WICHITA PROJECT NO. 448-90427			
 PEC PROFESSIONAL ENGINEERING CONSULTANTS, P.A. 303 SOUTH TOPEKA WICHITA, KS 67202 316-262-2691 www.pec1.com			
Designed by	MDK, SAD	Job No.	35-15631-1-0042
Drawn by	CSL, KTD	Date	September 2015
			Sht. 5 of 18