

FORCE MAIN LINE NO. 1				
COORDINATE LIST				
POINT	NORTHING	EASTING	STATION	DESCRIPTION
6001	1,711,953.2694	1,641,593.4261	4+82.00	22 1/2° BEND
6002	1,711,960.1595	1,641,620.5651	5+10.00	22 1/2° BEND
6003	1,711,923.6938	1,641,795.8114	6+89.00	22 1/2° BEND
6004	1,711,888.3175	1,641,847.7595	7+51.45	22 1/2° BEND

Reference sheet no. 12.

FORCE MAIN LINE NO. 2				
COORDINATE LIST				
POINT	NORTHING	EASTING	STATION	DESCRIPTION
6005	1,711,706.3949	1,643,625.4265	0+00.00	BEND
6006	1,711,395.8167	1,643,664.8268	2+54.00	R/W

Reference sheet no. 13.

WATERLINE NO. 1				
COORDINATE LIST				
POINT	NORTHING	EASTING	STATION	DESCRIPTION
5001	1,711,138.1373	1,646,430.4618	0+00.00	45° BEND
5002	1,711,150.7849	1,646,443.2695	0+18.00	45° BEND
5003	1,711,165.7832	1,646,443.0396	33+00.00	20" x 8" TEE
5004	1,711,496.6443	1,646,437.9682	3+63.90	90° BEND
5005	1,711,496.4911	1,646,427.9694	3+73.90	20" x 8" TEE
5006	1,711,496.2458	1,646,411.9713	3+89.90	45° BEND
5007	1,711,495.8872	1,646,388.5717	4+13.30	45° & 22 1/2° BENDS
5008	1,711,500.7045	1,646,387.2324	4+18.30	AIR RELEASE
5009	1,711,505.5217	1,646,385.8931	4+23.30	45° BEND

Reference sheet no. 5 and 6.

WATERLINE NO. 2				
COORDINATE LIST				
POINT	NORTHING	EASTING	STATION	DESCRIPTION
5003	1,711,165.7832	1,646,443.0396	0+00.00	20" x 8" TEE
5012	1,711,166.4586	1,646,488.0345	0+45.00	FIRE HYDRANT

Reference sheet no. 7.

WATERLINE NO. 3				
COORDINATE LIST				
POINT	NORTHING	EASTING	STATION	DESCRIPTION
5013	1,711,048.4165	1,647,093.8310	1+35.00	FIRE HYDRANT

Reference sheet no. 7.

SANITARY SEWER LINE NO. 1				
COORDINATE LIST				
POINT	NORTHING	EASTING	STATION	DESCRIPTION
6011	1,711,221.0951	1,647,116.1250	0+00.00	EXISTING MH
6012	1,711,129.1811	1,647,113.5500	0+92.00	PROPOSED MH

Reference sheet no. 15.

FORCE MAIN LINE NO. 3				
COORDINATE LIST				
POINT	NORTHING	EASTING	STATION	DESCRIPTION
6007	1,711,506.6298	1,647,121.5108	0+00.00	EXIST. CASING
6008	1,711,237.0350	1,647,106.7239	2+70.00	EXIST. CASING/BEND
6009	1,711,223.1116	1,647,119.7274	2+89.00	EXIST. BEND
6010	1,711,111.2554	1,647,116.5950	4+00.09	PROP. R/W

Reference sheet no. 14.

WATERLINE NO. 4				
COORDINATE LIST				
POINT	NORTHING	EASTING	STATION	DESCRIPTION
5014	1,710,608.5550	1,648,987.7320	2+00.00	FIRE HYDRANT

Reference sheet no. 8.

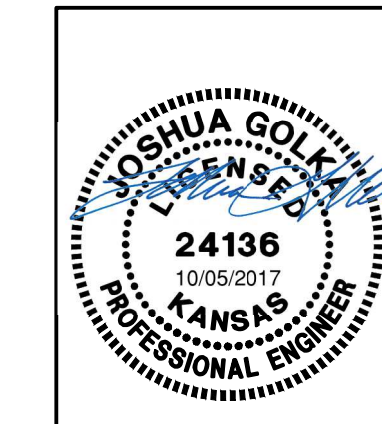
BENCH MARK LIST

- BM #10- DATUM BM NGS CONTROL STATION "MERIDIAN RM" #3 STANDARD BRASS DISC SET IN NORTHWEST CORNER OF MEDIAN INLET. C. OF I-235 HIGHWAY EAST OF MERIDIAN. 226.8' RT. OF C. STA. 86+17.3 40TH ST. ELEV. 1325.02 (NAVD 88)
- BM #16A- 36" T-POST SET ON EAST SIDE OF LITTLE ARKANSAS RIVER, IN FLOODWAY, NORTH OF I-235 SOUTH BOUND, 221.6' LT. OF C. STA. 421+45.1 ELEV. 1313.02 (NAVD 88)
- BM #17- SQUARE CUT ON SOUTH END WEST ABUTMENT OF THE I-235 SOUTH BOUND BRIDGE OVER ARKANSAS AVE. 24.0' LT. OF C. STA. 422+92.9 ELEV. 1341.27 (NAVD 88)
- BM #18- SQUARE CUT NORTH END OF THE EAST ABUTMENT OF THE I-235 NORTH BOUND BRIDGE OVER ARKANSAS AVE. ELEV. 1341.09 (NAVD 88)
- BM #22C- SQUARE CUT CENTER OF WEST SIDE CURB INLET ON THE WEST SIDE OF BROADWAY AVE. SOUTH OF I-235, 48.9' LT. OF C. STA. 42+91.8 BROADWAY AVE. ELEV. 1324.96 (NAVD 88)
- BM #22D- SQUARE CUT IN THE CENTER WEST CONCRETE WALL OF THE TRUCK SCALES LOCATED NORTH 37TH ST. NORTH BETWEEN OLD LAWRENCE RD. AND BROADWAY AVE. 104.4' RT. OF C. STA. 36+05.5 BROADWAY AVE. ELEV. 1326.13 (NAVD 88)

SECTION CORNER
Pt. No. 1 (NOT SHOWN)
CENTER, SEC 29, T26S, R1E
N: 1,712,545.1227, E: 1,646,427.8980
1/2" BAR WITH BAUGHMAN CAP (2" DEEP)
1155.74' LT. OF C. STA. 423+60.18 NORTHWEST \angle 85°53'53"
10.5' EAST TO CENTER ARKANSAS AVE.
24.05' WEST NORTHWEST TO 3 NAILS SOUTH FACE POWER POLE
47.00' NORTHEAST TO 60D NAIL NORTH FACE POWER POLE

SECTION CORNER
Pt. No. 2 (NOT SHOWN)
SOUTH 1/4 CORNER, SEC 29, T26S, R1E
N: 1,709,895.8936, E: 1,646,468.5050
FD. CHISELED "+", SET 1/2" BAR WITH PEC CAP AT "+" (FLUSH WITH CONC.)
1493.80' RT. OF C. STA. 423+60.18 SOUTHWEST \angle 94°06'07"
27.00' EAST NORTHEAST TO CITY WICHITA BRASS DISK
31.00' NORTHWEST TO "+" CUT SOUTHWEST CORNER CONC. BRIDGE (S OF 2)
0.15' EAST TO C. CONC. JOINT ARKANSAS AVE.
160' SOUTH TO C. 37TH STREET NORTH
50.00' SOUTHWEST TO "+" CUT TOP CURB

Served 10-03-2017 1:36:02 PM by CSI
 Plot Scale 1:10-05-2017 8:02:06 AM by CSI
 U:\Wichita-Civil\2016\160127\000\Drawings\160127-000-003-BUBBLE MAP



No.	Revision	By	Date
UTILITY RELOCATIONS FOR I-235 BRIDGE REPLACEMENTS			
BUBBLE MAP			
GARY JANZEN, P.E. - CITY ENGINEER CITY OF WICHITA PROJECT NO. 448-90739 AND NO. 468-85126			
PEC PROFESSIONAL ENGINEERING CONSULTANTS, P.A. 303 SOUTH TOPEKA WICHITA, KS 67202 316-262-2691 www.pec1.com			
Designed by	JAG, SAD	Job No.	160127-000-042
Drawn by	CSL, KTD	Date	SEPTEMBER 2016
			Sht. 3 of 22