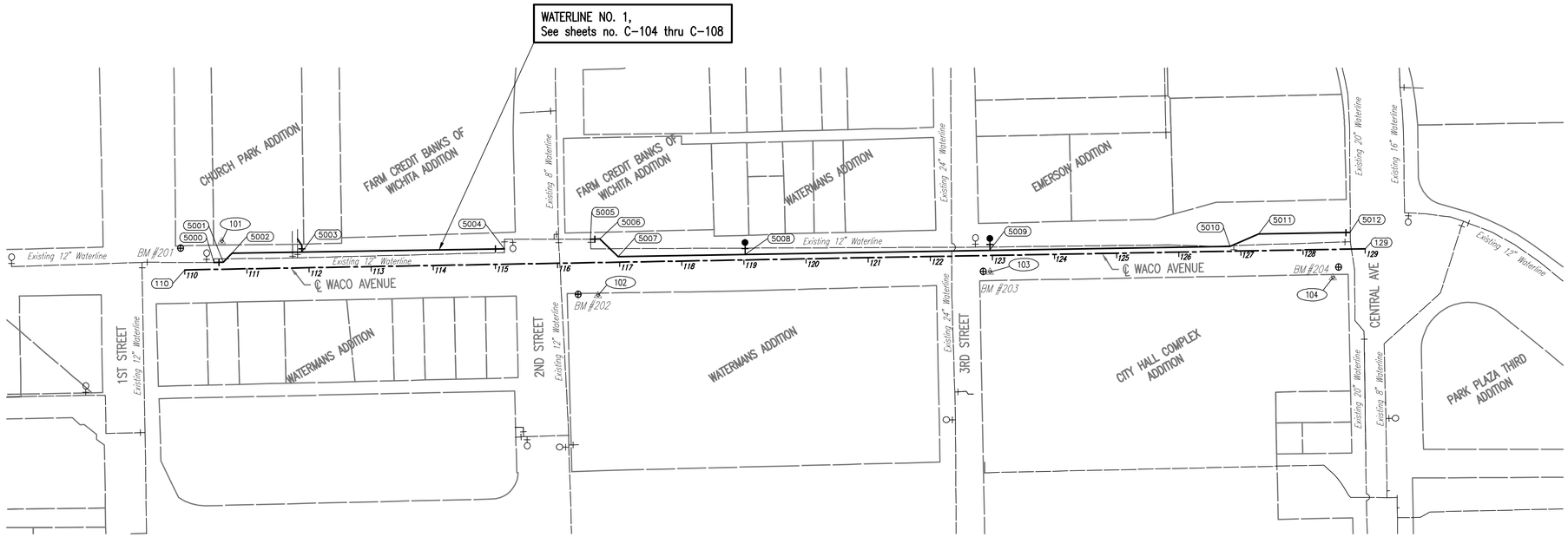

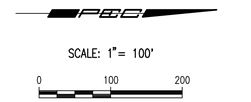

LEGEND

- EXISTING WATER MAIN
- PROPOSED WATER MAIN
- EXISTING WATER VALVE
- PROPOSED WATER VALVE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- EXISTING BLOW OFF
- PROPOSED BLOW OFF

BENCHMARK LIST ⊕ BM #200

BM #201 – CHISELED SQUARE ON SOUTHWEST CORNER CURB INLET NORTHWEST CORNER INTERSECTION WACO & 1ST ST.
ELEV. = 1301.78 (NAVD 88)

BM #202 – CHISELED SQUARE ON TOP CURB, NORTHEAST CORNER INTERSECTION WACO & 2ND ST. NORTH END OF CURB ON EAST SIDE OF SIDEWALK.
ELEV. = 1302.91 (NAVD 88)

BM #203 – CHISELED SQUARE ON SOUTHEAST CORNER CURB INLET AT NORTH CURB RETURN OF NORTHEAST CORNER INTERSECTION WACO & 3RD ST.
ELEV. = 1299.15 (NAVD 88)

BM #204 – CHISELED SQUARE ON NORTHEAST CORNER CURB INLET AT SOUTH CURB RETURN AT SOUTHEAST CORNER INTERSECTION WACO & CENTRAL.
ELEV. = 1297.84 (NAVD 88)

CONTROL POINTS ⊗ 101

Pt. No. 101
N: 1,686,425.723, E: 1,647,357.477
1/2" REBAR WITH PEC CONTROL POINT CAP NORTHWEST CORNER WACO & 1ST ST. EAST OF RIVERWALK CHURCH OF CHRIST SIGN.
1. 4.25' EAST TO WEST EDGE OF SIDEWALK.
2. 9.80' WEST TO EAST MOST POINT RIVERWALK CHURCH OF CHRIST SIGN.
3. 22.60' SOUTH SOUTHEAST TO TOP CENTER OF FIRE HYDRANT.

Pt. No. 102
N: 1,687,031.202, E: 1,647,444.466
1/2" REBAR WITH PEC CONTROL POINT CAP NORTHEAST CORNER OF INTERSECTION WACO & 2ND ST.
1. 2.40' WEST TO EAST EDGE OF SIDEWALK.
2. 38.45' SOUTH SOUTHWEST TO CENTER TRAFFIC SIGNAL POLE.
3. 43.10' EAST NORTHEAST TO CENTER LIGHT POLE BASE IN USPS PARKING LOT.

Pt. No. 103
N: 1,687,661.917, E: 1,647,406.937
1/2" REBAR WITH PEC CONTROL POINT CAP AT NORTHEAST CORNER INTERSECTION WACO & 3RD ST.
1. 4.45' SOUTH SOUTHWEST TO NORTHEAST CORNER STORM CURB INLET.
2. 11.65' SOUTHEAST TO CENTER OF TRAFFIC SIGNAL POLE.
3. 4.30' WEST TO EAST BACK OF CURB WACO AVE.

Pt. No. 104
N: 1,688,213.759, E: 1,647,415.729
1/2" REBAR WITH PEC CONTROL POINT CAP
1. 3.45' WEST TO EAST EDGE OF SIDEWALK.
2. 36.10' NORTH NORTHEAST TO TRAFFIC SIGNAL POLE.
3. 19.10' SOUTH TO NORTH EDGE ASPHALT PARKING LOT.

CL WACO				
COORDINATE LIST				
POINT	NORTHING	EASTING	STATION	DESCRIPTION
110	1,686,366.8497	1,647,405.1137	110+00.00	CENTERLINE
129	1,688,266.5457	1,647,371.1257	129+00.00	CENTERLINE

WATERLINE NO. 1				
COORDINATE LIST				
POINT	NORTHING	EASTING	STATION	DESCRIPTION
5000	1,686,413.5538	1,647,393.1813	0+00.00	EXIST. WL
5001	1,686,428.5518	1,647,392.9329	0+15.00	BEND
5002	1,686,442.7662	1,647,378.2397	0+35.44	BEND
5003	1,686,555.3072	1,647,376.3756	1+48.00	TEE
5004	1,686,881.1374	1,647,370.9788	4+73.87	EXIST. WL
5005	1,687,019.8461	1,647,355.5587	6+25.08	EXIST. WL
5006	1,687,034.8440	1,647,355.3102	6+40.08	BEND
5007	1,687,063.9350	1,647,383.4533	6+80.56	BEND
5008	1,687,268.3492	1,647,380.0675	8+85.00	FH
5009	1,687,663.2702	1,647,372.0262	12+79.00	FH
5010	1,688,049.1978	1,647,367.1342	16+65.96	BEND
5011	1,688,094.7469	1,647,347.3771	17+15.61	BEND
5012	1,688,242.1216	1,647,344.9361	18+62.94	EXIST. WL

(5000) = POINT NUMBER

PEC
PROFESSIONAL ENGINEERING CONSULTANTS
303 SOUTH TOPEKA
WICHITA, KS 67202
316-262-2691 www.pec1.com

TREVOR KAUFMAN LICENSED 26008 08/30/2019 KANSAS PROFESSIONAL ENGINEER

WATER DISTRIBUTION SYSTEM IMPROVEMENTS

WACO AVENUE FROM 1ST TO CENTRAL

GARY JANZEN, P.E. - CITY ENGINEER
CITY OF WICHITA PROJECT NO. 448-90939

Issue:		

JOB NO.	35-187042-007-0042
DATE	JUNE 2019
PM	JAG
DESIGNED BY	TBK
DRAWN BY	KTD
CHECKED BY	RWG

WATERLINE BUBBLE MAP

C-103

Saved 05-06-2019 9:40:25 AM by CSL
Plot Scale 1:1 08-29-2019 2:55:57 PM by CSL
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