LEGEND

Existing Water Line (Removed)

Existing Water Line (Abandoned)

Concrete Encasement

SCALE 20' 0 20' 40' 1"=20'

@ Sta. 13+71.20, 24.64' Rt. =
Sta. 100+00.00, Water Line 1
Remove 165.02 LF Exist. 12" Water Line (E)
Install 1 - 45° Bend (Restrained)(SE)
Install 11.74 LF 12" Pipe (SE)
N: 1687168.2997
E: 1651070.8387 (400)

@ Sta. 13+80.10, 32.30' Rt. =
Sta. 100+11.74, Water Line 1
Install 1 - 45° Bend (Restrained)(E)
Install 63.91 LF 12" Pipe (E)
N: 1687160.7740
E: 1651079.8494 (401)

Note:
For Water Line 2, 3, 4, 5, & 6 information and details, See Sheets 89-90

It is the Contractors responsibility to contact & coordinate with the utility companies prior to the installation of the water lines to locate any existing utilities that have not been previously located or new utilities that have been relocated.

All anchored valve assemblies shall be connected directly to the flange of the proposed connection on Water Line 1.

The sanitary sewer line from Sta. 15+09.85, 17.71' Rt. to Sta. 15+09.51, 38.71' Rt. shall be concrete encased in accordance to the City of Wichita Specifications. All materials and labor shall be paid for by the bid item, "Concrete Encasement, 8" Reinforced".

@ Sta. 14+47.56, 28.29' Rt. =
Sta. 100+80.71, Water Line 1
Install 1 - 45° Bend (Restrained)(E)
Install 72.40 LF 12" Pipe (E)
N: 1687165.7354
E: 1651147.2478 (405)

@ Sta. 14+44.00, 31.90' Rt. =
Sta. 100+75.65, Water Line 1
Install 1 - 45° Bend (Restrained)(NE)
Install 5.06 LF 12" Pipe (NE)
N: 1687162.0837
E: 1651143.7428 (404)

@ Sta. 15+19.82, 28.21' Rt. =
Sta. 101+53.11, Water Line 1 =
Sta. 200+09.84, Water Line 2
Install 1 - 12"x8" Tee (Restrained)(S)
Install 1 - 8" Anchored Valve Assembly (S)
Install 23.03 LF 12" Pipe (E)
N: 1687166.8685
E: 1651219.6389 (408)

@ Sta. 15+42.86, 28.29' Rt. =
Sta. 101+76.14, Water Line 1 =
Sta. 300+00.00, Water Line 3
Install 1 - 12"x8" Tee (Restrained)(N)
Install 1 - 8" Anchored Valve Assembly (N)
Install 1 - 12" Anchored Valve Assembly (E)
Install 13.83 LF 12" Pipe (E)
N: 1687167.2289
E: 1651242.6683 (411)

@ Sta. 15+60.20, 24.85' Rt. =
Sta. 101+94.92, Water Line 1
Install 1 - 45° Bend (Restrained)(E)
Install 105.07 LF 12" Pipe (E)
N: 1687170.9997
E: 1651259.9398 (413)

@ Sta. 15+56.68, 28.33' Rt. =
Sta. 101+89.97, Water Line 1
Install 1 - 45° Bend (Restrained)(NE)
Install 4.95 LF 12" Pipe (NE)
N: 1687167.4453
E: 1651256.4950 (412)

@ Sta. 15+08.63, 26.46' Lt.
Install - 8" Cap (W)
Abandon in Place Exist. 8" Water Line (W)
Remove 40.21 LF Exist. 8" Water Line (E)
N: 1687221.3488
E: 1651207.5309 (450)

@ Sta. 15+48.96, 26.66' Lt.
Install - 8" Cap (E)
Abandon in Place Exist. 8" Water Line (E)
N: 1687222.2864
E: 1651247.7277 (451)

@ Sta. 16+29.73, 27.01' Lt.
Install - 8" Cap (W)
Remove 96.18 LF Exist. 8" Water Line (E)
N: 1687224.1699
E: 1651328.4709 (452)

@ Sta. 17+25.95, 27.60' Lt.
Install - 8" Cap (E)
Abandon in Place Exist. 8" Water Line (E)
N: 1687226.5955
E: 1651424.6635 (453)

@ Sta. 18+50.60, 28.38' Lt.
Install - 8" Cap (W)
Remove 46.13 LF Exist. Water Line (E)
N: 1687229.7543
E: 1651549.2765 (454)

@ Sta. 18+96.74, 28.15' Lt.
Install - 8" Cap (E)
Abandon in Place Exist. 8" Water Line (E)
N: 1687230.3967
E: 1651595.4079 (455)

Sta. 15+35.38, 16.34' Rt.
Remove Fire Hydrant Assembly
N: 1687179.0330
E: 1651234.9625

@ Sta. 16+84.91, 21.77' Rt. =
Sta. 103+21.07, Water Line 1
Install 1 - 45° Bend (Restrained)(E)
Install 6.62 LF 12" Pipe (E)
N: 1687176.4515
E: 1651384.5730 (420)

@ Sta. 17+25.14, 25.41' Rt. =
Sta. 103+62.75, Water Line 1
Install 2" Fire Service Line
N: 1687173.5810
E: 1651424.8602 (423)

@ Sta. 16+65.26, 25.20' Rt. =
Sta. 102+99.98, Water Line 1 =
Sta. 400+00.00, Water Line 4
Install 1 - 12"x8" Tee (Restrained)(N)
Install 1 - 8" Anchored Valve Assembly (N)
Install 16.14 LF 12" Pipe (E)
N: 1687172.6440
E: 1651364.9931 (414)

@ Sta. 16+81.40, 25.26' Rt. =
Sta. 103+16.12, Water Line 1
Install 1 - 45° Bend (Restrained)(NE)
Install 4.95 LF 12" Pipe (NE)
N: 1687172.8965
E: 1651381.1276 (417)

@ Sta. 16+95.00, 25.30' Rt. =
Sta. 103+32.62, Water Line 1
Install 1 - 45° Bend (Restrained)(E)
Install 160.85 LF 12" Pipe (E)
N: 1687173.1094
E: 1651394.7270 (422)

@ Sta. 16+91.53, 21.81' Rt. =
Sta. 103+27.69, Water Line 1
Install 1 - 45° Bend (Restrained)(SE)
Install 4.93 LF 12" Pipe (SE)
N: 1687176.5380
E: 1651391.1894 (421)

@ Sta. 18+55.85, 25.85' Rt. =
Sta. 104+93.46, Water Line 1 =
Sta. 500+00.00, Water Line 5
Install 1 - 12"x8" Tee (Restrained)(N)
Install 1 - 8" Anchored Valve Assembly (N)
Install 14.29 LF 12" Pipe (E)
N: 1687175.6267
E: 1651555.5560 (426)

@ Sta. 18+70.14, 25.90' Rt. =
Sta. 105+07.76, Water Line 1 =
Sta. 600+12.94, Water Line 6
Install 1 - 12"x8" Tee (Restrained)(S)
Install 1 - 8" Anchored Valve Assembly (S)
Install 1 - 12" Anchored Valve Assembly (E)
Install 159.74 LF 12" Pipe (E)
N: 1687175.8504
E: 1651569.8456 (427)

Exist. R/W
Exist. 8" Water Line
Exist. 12" Water Line
Exist. 8" Sanitary Sewer
Exist. 8" Water Line
Water Line 2
Concrete Encasement
Water Line 3
Water Line 4
Water Line 5
Water Line 6
4 2ND STREET N 89°11' 07" E
MOORE STREET
MEAD STREET
ROCK ISLAND
MATCHLINE STA. 19+00.00
KANSAS GAS SERVICE
WESTAR UGE
LEVEL 3 COMMUNICATIONS
8" WATER LINE

†CAUTION!! Exist. Kansas Gas Line
Proposed Grade Improvements
Existing Ground Line
†CAUTION!! Exist. AT&T Lines
†CAUTION!! Exist. Kansas Gas Line
†CAUTION!! Exist. AT&T Lines
Prop. 12" WL
Connect to Exist. 12" WL
+0.00%
-00.00%
12" - 45.0° Bend (Restrained)
12" - 45.0° Bend (Restrained)
+00.00%
12" - 45.0° Bend (Restrained)
12" - 45.0° Bend (Restrained)
†CAUTION!! Exist. 8" Sanitary Sewer
Concrete Encase the Exist. Sanitary Sewer
Top of Concrete Elevation = 1294.71
Bottom of Concrete Elevation = 1292.70
12"x8" Tee (N) Water Line 3
12" Anchored Valve Assembly
-00.10%
12" - 45.0° Bend (Restrained)
†CAUTION!! Exist. Westar Lines
12" - 45.0° Bend (Restrained)
12"x8" Tee (S) Water Line 2
†CAUTION!! Exist. 8" Water Line
†Exist. 18" RCP
℄ = 1294.60
12"x8" Tee (N) Water Line 4
Prop. 12" WL
-01.86%
12" - 45.0° Bend (Restrained)
12" - 45.0° Bend (Restrained)
†Exist. 36" Brick Arch SWS
℄ = 1293.01
-00.58%
12" - 45.0° Bend (Restrained)
12" - 45.0° Bend (Restrained)
†Exist. 8" VCP
℄ = 1295.81
†CAUTION!! Exist. AT&T Lines
Proposed Grade Improvements
Existing Ground Line
12"x8" Tee (N) Water Line 5
12" - 45.0° Bend (Restrained)
Prop. 12" WL
+99.36%
12" - 45.0° Bend (Restrained)
†CAUTION!! Exist. Kansas Gas Line
†CAUTION!! Exist. Cox Communications Lines
†CAUTION!! Exist. 8" Water Line
†CAUTION!! Exist. 18" Sanitary Sewer
†CAUTION!! Exist. Westar Duct Bank
Top Elevation = 1292.66
Bottom Elevation = 1290.66
+169.66
12"x8" Tee (S) Water Line 6
12" Anchored Valve Assembly
†CAUTION!! Exist. AT&T Lines
+0.00%

	400	402	403	406	407	409	410	415	416	418	419	424	425	428	429
	1,292.00, +00.00	P.I. Elev. = 1,292.00, +16.74	P.I. Elev. = 1,295.73, +20.47	P.I. Elev. = 1,295.73, +26.90	P.I. Elev. = 1,291.95, +30.68	P.I. Elev. = 1,292.50, +55.56	P.I. Elev. = 1,295.73, +59.34	P.I. Elev. = 1,295.73, +02.48	P.I. Elev. = 1,291.80, +06.42	P.I. Elev. = 1,291.80, +16.87	P.I. Elev. = 1,294.57, +19.64	P.I. Elev. = 1,294.57, +89.94	P.I. Elev. = 1,296.09, +91.46	P.I. Elev. = 1,296.09, +30.36	P.I. Elev. = 1,295.06, +31.39
	Connect to Exist. 12" WL	1,295.73	1,295.73	1,295.73	1,295.73	1,291.95	1,295.73	1,295.73	1,295.73	1,295.73	1,294.57	1,294.57	1,296.09	1,296.09	1,295.06

100 1 2 3 4 105

Utilities shown in the profile are shown at approximate depths. The Contractor is responsible for field verifying the locations of utilities prior to construction in that area.

1,315 1,310 1,305 1,300 1,295 1,290 1,285 1,280 1,275 1,270

IF THIS DRAWING IS LESS THAN 22" X 36" IT IS A REDUCED SIZE DRAWING

TranSystems
245 NORTH WACO
SUITE 222
WICHITA, KANSAS 67202
PHONE: 316-303-3000
FAX: 316-303-0156

CONSULTANTS:
LK ARCHITECTURE, INC.
345 RIVERVIEW
SUITE 200
WICHITA, KANSAS 67208
PHONE: 316-268-0230

2ND STREET IMPROVEMENTS
SANTA FE TO WASHINGTON IN OLD TOWN
WICHITA, KANSAS
CITY OF WICHITA

REVISIONS:

MARK	DATE	DESCRIPTION

PROJ NO: 472-85284
SCALE: 1"=20'
DATE: 7/11/2018
DESIGNED BY: TAU
DRAWN BY: TAU
CHECKED BY: MDB

SHEET TITLE:
2ND STREET WATER LINE IMPROVEMENTS WATERLINE 1

SHEET NO.
87
SHEET 87 OF 103

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