@ Sta. 100+86.56, 9.14', Lt. = (500)
Sta. 200+00.00, Waterline 1
Install 31.50 LF 8" Fuseable PVC (N)
Install 1 - 8" MJ Cap (S)
Install 1 - 2" Blow Off Assy. (S)
N 1,683,091.0129
E 1,650,641.4754

@ Sta. 101+18.06, 8.98', Lt. = (501)
Sta. 200+31.50, Waterline 1 =
Sta. 500+00.00, Waterline 1A
Install 1 - 8"x6" Tee (Restrained)(E)
Install 1 - 6" Valve (Restrained)(E)
Install 16.00 LF 6" Pipe (E)
Install 170.23 LF 8" Fuseable PVC (N)
N 1,683,122.5080
E 1,650,641.0408

@ Sta. 102+83.71, 3.95'. Lt. to
@ Sta. 103+22.35, 3.47' Lt.
Const. Conc. Encasement for
Exist. 20" VCP San. Sewer

Caution!
Exist. 20" VCP Sanitary
Sewer Crossing

@ Sta. 102+88.36, 10.08', Lt. = (504)
Sta. 202+01.72, Waterline 1
Install 1 - 8" 45° Bend (Restrained)(NE)
Install 19.91 LF 8" Fuseable PVC (NE)
N 1,683,292.7182
E 1,650,638.6921

Waterline 3

@ Sta. 104+33.84, 4.32', Rt. = (511)
Sta. 203+53.11, Waterline 1 =
Sta. 505+00.00, Waterline 1B
Install 5.00 LF 6" Pipe (E)
Install 64.24 LF 8" Fuseable PVC (N)
N 1,683,438.4472
E 1,650,650.3613

@ Sta. 104+33.84, 9.32', Rt. =
Sta. 505+05.00, Waterline 1B
Install Fire Hydrant Assy. (L = 17.03')
Valve Box Elev. = 1,295.78
N 1,683,438.4472
E 1,650,650.3613

Caution!
18" RCP Storm
Sewer Crossing

@ Sta. 105+23.12, 0.73', Lt. to
@ Sta. 105.45.67, 0.42', Lt.
Const. Conc. Encasement for
Exist. 20" VCP San. Sewer

Caution!
Exist. 20" VCP Sanitary
Sewer Crossing

@ Sta. 104+98.08, 4.45', Rt. = (512)
Sta. 204+17.35, Waterline 1 =
Sta. 510+00.00, Waterline 1C
Install 1 - 8"x4" Tee (Restrained)(E)
Install 1 - 4" Valve (Restrained)(E)
Install 20.00 LF 4" Pipe (E)
Install 31.20 LF 8" Fuseable PVC (N)
N 1,683,502.6786
E 1,650,649.2810

Caution!
Exist. 8" CI
Waterline Crossing

@ Sta. 105+44.58, 10.73', Lt. = (517)
Sta. 204+70.14, Waterline 1
Install 1 - 8" 45° Bend Restrained)(N)
Install 54.86 LF 8" Fuseable PVC (N)
N 1,683,548.8662
E 1,650,633.2342

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

@ Sta. 105+99.44, 10.62', Lt. = (519)
Sta. 205+25.00, Waterline 1 =
Sta. 515+00.00, Waterline 1D =
Install 1 - 8"x4" Tee (Restrained)(E)
Install 1 - 4" Valve (Restrained)(E)
Install 33.00 LF 48" Pipe (E)
Install 142.00 LF 8" Fuseable PVC (N)
N 1,683,603.7364
E 1,650,632.3118

MATCHLINE STA. 206+00.00

Waterline 1

COMMERCE ST.

@ Sta. 101+15.95, 4.08' Rt. (590)
Remove 5.00 LF 6" Pipe (N)
Install 1 - 6" MJ Cap (S)
Abandon 6" Pipe in Place (W)
N 1,683,120.6488
E 1,650,654.1373

@ Sta. 101+17.98, 7.02', Rt. = (555)
Sta. 500+16.00, Waterline 1A
Install 1 - 6" 45° Bend (Restrained)(SE)
Install 2.93 LF 6" Pipe (SE)
N 1,683,122.7288
E 1,650,657.0393

@ Sta. 101+15.90, 9.08', Rt. = (556)
Sta. 500+16.00, Waterline 1A
Install 1 - 6" 45° Bend (Restrained)(E)
Connect to Exist. 6" Pipe (E)
N 1,683,120.6881
E 1,650,659.1371

@ Sta. 103+02.36, 4.06', Rt. = (506)
Sta. 202+21.63, Waterline 1
Install 1 - 8" 45° Bend (Restrained)(N)
Install 10.00 LF 8" Fuseable PVC (N)
N 1,683,306.9866
E 1,650,652.5721

@ Sta. 103+12.36, 4.08', Rt. = (507)
Sta. 202+31.63, Waterline 1 =
Sta. 401+71.33, Waterline 3
Install 1 - 8"x8" Tee (Restrained)(W)
Install 1 - 8" Valve (Restrained)(W)
Connect to 8" Waterline (W)
Install 121.48 LF 8" Fuseable PVC (N)
N 1,683,316.9852
E 1,650,652.4039

Caution!
Exist. Sanitary Sewer
Service Line Crossing

Caution!
Exist. Sanitary Sewer
Service Line Crossing

@ Sta. 104+33.30, 26.36', Rt. (559)
Remove Fire Hydrant Assy.
N 1,683,438.3178
E 1,650,672.4027

@ Sta. 104+98.05, 24.45', Rt. = (561)
Sta. 510+20.00, Waterline 1C
Install 1 - 4" 45° Bend (Restrained)(SE)
Install 1.41 LF 4" Pipe (NE)
N 1683503.0183
E 1650669.2782

@ Sta. 104+99.04, 25.45', Rt. = (562)
Sta. 500+16.00, Waterline 1C
Install 1 - 4" 45° Bend (Restrained)(E)
Connect to Exist. 4" Pipe (E)
N 1683504.0312
E 1650670.2576

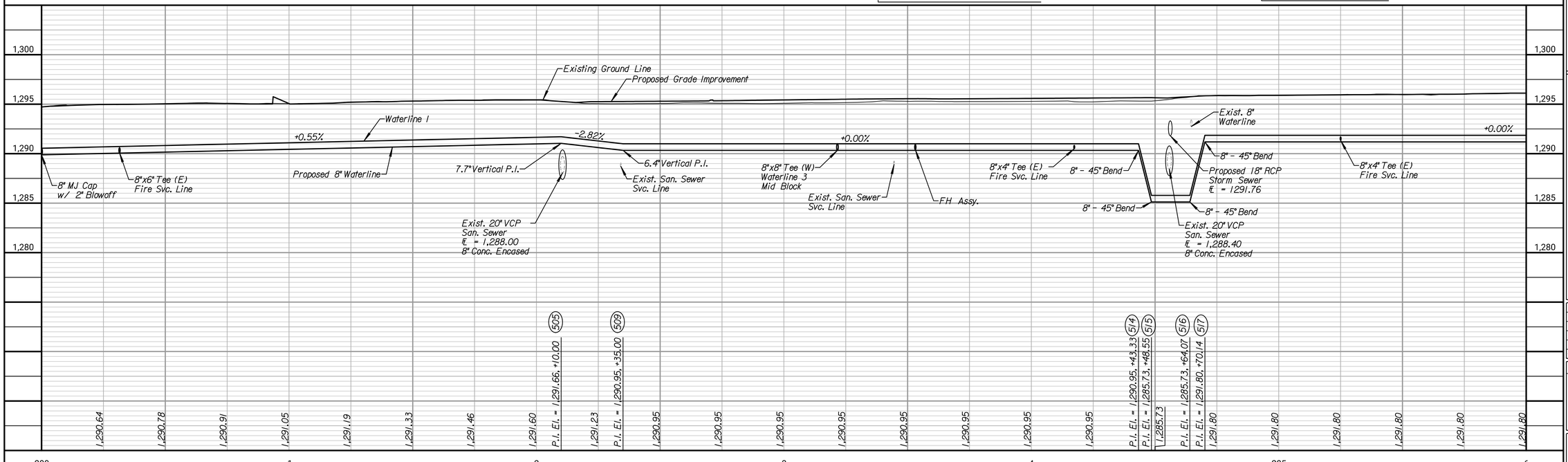
@ Sta. 105+29.28, 4.51', Rt. = (515)
Sta. 204+48.55, Waterline 1
Install 1 - 8" 45° Bend (Restrained)(NE)
Install 21.59 LF 8" Fuseable PVC (NE)
N 1,683,533.8775
E 1,650,648.7564

@ Sta. 104+99.05, 20.45' Rt. (591)
Remove 5.00 LF 4" Pipe (N)
Install 1 - 4" MJ Cap (S)
Abandon 4" Pipe in Place (W)
N 1,683,503.9483
E 1,650,665.2583

@ Sta. 105+97.50, 19.13' Rt. (592)
Remove 5.00 LF 4" Pipe (N)
Install 1 - 4" MJ Cap (S)
Abandon 4" Pipe in Place (W)
N 1,683,602.3535
E 1,650,662.0928

@ Sta. 105+99.37, 22.38', Rt. = (568)
Sta. 515+33.00, Waterline 1D
Install 1 - 4" 45° Bend (Restrained)(SE)
Install 2.48 LF 4" Pipe (SE)
N 1,683,604.2913
E 1,650,665.3071

@ Sta. 105+97.62, 24.13', Rt. = (569)
Sta. 515+35.48, Waterline 1D
Install 1 - 4" 45° Bend (Restrained)(E)
Connect to Exist. 4" Pipe (E)
N 1,683,602.5692
E 1,650,667.0881



TRANSYSTEMS
245 N. WACO
SUITE 222
WICHITA, KANSAS 67202
MAIN: 316-303-3000
FAX: 316-462-5629

MICHAEL D. BAIRD
ENGINEER
20585
1-12-2024
KANSAS
PROFESSIONAL ENGINEER

CONSULTANTS:

COMMERCE STREET & ST. FRANCIS
AVENUE IMPROVEMENTS
FROM WATERMAN TO KELLOGG

WICHITA, KANSAS

CITY OF WICHITA

REVISIONS:

MARK	DATE	DESCRIPTION

PROJ NO: 472-2021
SCALE: 1"=20'
DATE: 2/21/2024
DESIGNED BY: DAN
DRAWN BY: DAN
CHECKED BY: MDB

SHEET TITLE:
COMMERCE STREET WATER LINE IMPROVEMENTS STA. 200+00.00 TO STA. 206+00.00

SHEET NO.
116
SHEET 116 OF 163

dfrantzer
2/21/2024 - 11:53:20 AM c:\transystems\cw_local\transyscorp-pw1\sw_dj\wntzer\d1254772\C-WTR-M02-101.dgn

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