N: 1,674,409.1694, E: 1,607,520.0005
℄ Jewell, Sta. 9+47.82, 26.11' Lt.=
WLR1, Sta. 0+69.22*
1– 12" CI CL MJ 45° Bend
Rotated 32.4°± Dn.

CAUTION !!!
Buried Telephone
(AT&T)

Proposed AT&T (Approx. location)
AT&T to relocate and consolidate existing lines.
The Conrtractor shall remove existing abandoned buried lines encountered, as required, that are in conflict with the proposed waterline installation.
The Contractor shall coordinate with AT&T,
Mr. John Fagan (316–268–2102), prior to beginning waterline installation.

CAUTION !!!
Proposed 36" RCP
Storm Water Sewer

Install Silt Fence

CAUTION !!!
18" RCP CRP

N: 1,674,406.0552, E: 1,607,549.6688
℄ Jewell, Sta. 9+77.50, 23.11' Lt.=
WLR1, Sta. 1+00.00
1– 12" CI CL MJ 45° Bend
Rotated 24.5°± Up

N: 1,674,409.0423, E: 1,607,552.9803
℄ 119th St., Sta. 222+17.17, 19.20' Lt.=
WLR1, Sta. 1+04.46*
1– 12" CI CL MJ 45° Bend
Rotated 24.5°± Dn.

5.03'– 12" DI CL SJ Pipe

N: 1,674,406.1576, E: 1,607,523.5390
℄ Jewell, Sta. 9+51.37, 23.11' Lt.=
WLR1, Sta. 0+73.87
1– 12" CI CL MJ 45° Bend
Rotated 32.4°± Up

3.63'– 12" DI CL SJ Pipe

The Contractor shall remove the existing 12" waterline from Sta. 0+69.22 to Sta. 1+04.39.

The Contractor shall provide threaded rods and collars to anchor fittings/bends to proposed piping, as shown in the plans. Threaded rods and collars shall be high strength, heat treated Corten steel and shall conform to ASTM A242, Type 2, as manufactured by Star National Products or approved equal. The number of tiebolt restrainers and fastening method shall be in accordance with the manufacturer's recommendations. Tie bolts shall be designed for a total design pressure of 200 psi.

N: 1,674,406.1431, E: 1,607,527.1689
℄ Jewell, Sta. 9+55.00, 23.11' Lt.=
WLR1, Sta. 0+77.50
1– 12"x 12" CI CL MJ Tee
1–12" MJ Anch. Valve Assembly
(MJ Butterfly Valve)
Top Valve Box Elt.=1334.4
See Sheet B4 for Connection Detail

CAUTION !!!
Prop. Buried Telephone
(AT&T)

CAUTION !!!
Buried Electric
(Westar Energy)

CAUTION!!!
Light Pole
Light Pole to be removed and reset by Westar Energy.
Coordinate with Westar Energy,
Mr. Randy Truitt at 261–6512.
(Provide at least 2 weeks notice)
Removal & resetting costs to be subsidiary to "Site Clearing and Restoration".

4.66'– 12" DI CL SJ Pipe

22.50'– 12" DI CL SJ Pipe

LINE NO. 2
See sheet no. B7

WATERLINE RELOCATION 1

SCALE:
0 20 40
PLAN: LAT. & LONG.
PROFILE: HORIZ. SAME AS ABOVE
VERT.

JEWELL STREET WATERLINE RELOCATION CONSTRUCTION SEQUENCE.

THE CONTRACTOR MAY SUBMIT HIS OWN CONSTRUCTION SEQUENCE FOR APPROVAL BY THE ENGINEER IN LIEU OF USING THE FOLLOWING:

–CONSTRUCT WATERLINE RELOCATION 1 FROM STA. 0+73.87 TO STA. 1+00.00.

–CLOSE EXISTING 12" LINE VALVES NO. 39375 AND 36381, AND EXISTING 8" VALVES NO. 39373 AND 39374 (SEE SHEET C2).

–CUT AND REMOVE 12" PIPE AT WLR1 STA. 0+69.22 AND WLR1 STA. 1+04.46. CONSTRUCT NEW 12" CONNECTION TO EXISTING 12" WATERLINE AT WLR1 STA. 1+04.46.

–UTILIZE TEMPORARY BLOWOFF TO TEST, DISINFECT, AND FLUSH LINE PER CITY OF WICHITA SPECIFICATIONS AT WLR1 STA. 0+73.87.

–CONNECT TO EXISTING 12" WATERLINE AT WLR1 STA. 0+69.22 WITH CLEAN SWABBED PIPE.

–OPEN VALVES NO. 39375, 36381, 39373 AND 39374.

–REMOVE REMAINDER OF EXISTING 12" WATERLINE BETWEEN WLR1 STA. 0+69.22 AND STA. 1+04.46.

* PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE THE EXISTING 12" WATERLINE AT STATIONS 0+69.22 AND 1+04.46 TO VERIFY PIPE SIZE, TYPE, FITTINGS, AND HORIZONTAL AND VERTICAL LOCATION. THE CONTRACTOR SHALL REPORT HIS FINDINGS TO THE ENGINEER SO THAT ANY NECESSARY PLAN MODIFICATIONS CAN BE MADE. ANY ADDITIONAL LABOR OR MATERIALS NECESSARY TO COMPLETE THE CONNECTION SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT.

MICHAEL D. KRUSE LICENSED J. ARMOUR 13944 11/01/11 KANSAS PROFESSIONAL ENGINEER

Unless noted otherwise, elevations shown are top of pipe

Existing 8" Sanitary Sewer
Elt.= 1324.88±

Bend Deflection
45° Bend (Rotated)
45° Bend (Rotated)
17' Outlet
Proposed 12" Waterline
Top of Proposed 12" Water Main
Proposed Waterline
Elt.= 1327.68
Elt.= 1326.83*
45° Bend (Rotated)
45° Bend Rotated

℄ 119th St. W.

Existing Ground
Proposed Ground over ℄ of Waterline

Top of Proposed 12" Water Main
Existing 12" Water Main(record)

Sta. 0+77.59 to Sta. 1+04.46
Place 26.87' L.F. Fill, Sand (Flushed & Vibrated) from top pipe bedding to Elev. 1331.36.

+69.22 1327.68
+73.87 1325.83
+77.50 1325.83
+00.00 1326.83
+04.46 1327.20

1345 1340 1335 1330 1325 1320 1315 1310 1305

1+00

PLAN
DATE | BY | CHECKED | CHECKED

PROFILE
DATE | BY | CHECKED | CHECKED

Saved 01-19-2011 8:30:58 AM by TDS
Plot Scale 1:20 01-19-2011 9:07:29 AM
Q:\2008\08208\001\08208-001-C12 JEWELL St. WL ADJUST

by TED D. SCRIPTER

Professional Engineering Consultants, P.A.
303 S. TOPEKA • WICHITA, KANSAS 67202
316.262.2691 • FAX 316.262.3003

Designed By MDK
Drawn By TDS
Job No. 35-08208-001
Date April 2010

119TH STREET WEST
WATERLINE IMPROVEMENTS
JEWELL ST. WATERLINE RELOCATION
JAMES L. ARMOUR, P.E. – CITY ENGINEER
CITY OF WICHITA PROJECT NO. 448-

Sheet B12 of 15