SCALE:
PLAN: LAT. & LONG. 0 20 40
PROFILE: HORIZ. SAME AS ABOVE
VERT. 5 0

5000 – SEE SHEET NO. 3 FOR WATERLINE COORDINATES (TYP.)

℄ Oliver Ave., Sta. 136+15.04, 67' Lt.=
WL 1, Sta. 21+64.19
22 1/2° Bend
5013

CAUTION !!!
Proposed Traffic Conduit
(by others)

℄ Oliver Ave., Sta. 136+32.62, 60' Lt.=
WL 1, Sta. 21+83.11
1– 12" CI CL MJ 22 1/2° Bend
(Rotated 15°56'43" Dn.)
Horiz. Defl.= 21°42'41"
5014

LINE NO. 4
See sheet no. 8

℄ Oliver Ave., Sta. 139+54.95, 60' Lt.=
WL 1, Sta. 25+05.50
1– Fire Hydrant Assembly
L= 8.5'
Top Valve Box El.= 1410.6
FH Bury Line El.= 1410.5
5015

℄ Oliver Ave., Sta. 139+87.08, 60' Lt.=
WL 1, Sta. 25+37.63
1– 12" x 12" CI CL MJ Tee
1– 12" Valve Assembly (E)
1– 12" Anchored Valve Assembly (N)
(MJ Butterfly Valves)
Top Valve Box El.= 1410.6 (E)
Top Valve Box El.= 1410.6 (N)
20.00'– 12" Pipe (N)
1– 2" Blowoff Assembly (N)
Top Valve Box El.= 1410.6
5016

CAUTION !!!
Duct Bank
(AT&T) **

CAUTION !!!
Proposed 15" RCP
Storm Water Sewer
(by others)

℄ Oliver Ave., Sta. 139+87.08, 36.1' Rt.=
WL 1, Sta. 26+33.75
Existing 12" Waterline *
1– 12" x 12" Tapping Sleeve
1– 12" Tapping Valve
1– 6" Valve Box
Top Valve Box El.= 1410.4
(To be furnished and set by Wichita
Water Dept.)
Contractor shall reimburse City of Wichita
for this work.

75' R/W (by others)
15'
5017
5018
Proposed 10' Sidewalk (by others)
Conc. Cart Path
Prop. Traffic Counduit (by others)
Exist. 50' R/W
Limits of Prop. Pvmt.
(Ref. Road Improvement
Project no. 472–85214)
Asphalt
MON, 1/2" Bar
℄ OLIVER AVENUE = SECTION LINE
Prop. Traffic Conduit (by others)
24" RCP SWS (by others)
& Gutter
Std. Curb & Gutter
Duct Bank (AT&T)
TMH
4'x4'
15" RCP (by others)
18" RCP (by others)
Headstone (Typ.)
Top Nut=1406.73
15" Osage Orange
12" AC Waterline (rec. info.)
Curb Stop
Wrought Iron Fence
40' R/W
Owner:
Hebrew Congregation
1920 N Oliver Ave
MEMORIAL LAWNS CEMETERY
WICHITA HEBREW CEMETERY

3" Oak	8" Maple
8" Elm	3" Locust
4" Elm	24" Elm
3" Cedar	6" Elm
4" Oak	6" Maple
4" Maple	5" Maple
24" RCP SWS (by others)	

18.92'– 12" Pipe
322.39'– 12" Pipe
32.13'– 12" Pipe
℄ Oliver Ave.
Sta. 136+00.00
WL Sta. 25+37.63 to WL Sta. 26+33.75
Install 96.12'– 12" Pipe
by Directional Drill.

* PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE THE EXISTING 12" WATERLINE AT WL 1, STA. 26+33.75 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.

** PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL POTHOLE THE EXISTING DUCT BANK AND FIBER OPTIC LINES TO VERIFY HORIZONTAL AND VERTICAL LOCATIONS. 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.

= Denotes Tree to be removed

MICHAEL D. KELSEY LICENSED PROFESSIONAL ENGINEER 13944 11/06/2015 KANSAS

PLAN | BY | DATE | CHECKED | CHECKED

PROFILE | BY | DATE | CHECKED | CHECKED

Unless noted otherwise, elevations shown are top of pipe

WATERLINE NO. 1

96.12'– 12" Pipe by directional Drill

22 1/2° Bend | Prop. Traffic Conduit (by others) | 22 1/2° Bend | Fire Hydrant | 12" x 12" Tee | Telephone Duct Bank Top Elev.= 1404.19 | Prop. 15" RCP SWS El= 1406.83 | END LINE NO. 1

Existing Ground | Proposed Ground (by others)

Top of Proposed 12" Water Main

Exist. 12" Waterline

+64.19	+83.11				+05.50	+37.63	+10.00	+33.75
1403.00	1405.00	1405.07	1405.49	1405.90	1406.32	1406.34	1406.32	1406.32	1406.32	1404.23± *

1425 1420 1415 1410 1405 1400 1395 1390 1385

22+00 23+00 24+00 25+00 26+00

17TH STREET AND OLIVER AVENUE WATERLINE EXTENSIONS
SERVING THE WSU INNOVATION CAMPUS

WATERLINE NO. 1

CARY JANZEN, P.E. – CITY ENGINEER
CITY OF WICHITA PROJECT NO. 448-90666

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

Designed By MDK, SAD | Job No. 35-15084-001-42
Drwn By CSL, KTD | Date APRIL 2015

Sheet 9 of 17

Saved 11-05-2015 4:03:53 PM by CSL
Plotted: 11-06-2015 6:58:08 AM by CSL
U:\Wichita-Civil\2015\15084\001\Main\Drawings\15084-001-C9-WATERLINE NO. 1