PLAN | CHECKED | CHECKED | BY | DATE

PROFILE | CHECKED | CHECKED | BY | DATE

Unless noted otherwise, elevations shown are top of pipe

WL 1, Sta. 0+00.00
Existing 8" Water Main *
1- 8" x 8" Topping Sleeve
1- 8" Topping Valve
(to be furnished and set by City of Wichita Water Dept.)
1- 6" Valve Box (to be supplied and set by Contractor)
Top Valve Box El.= 1391.7

5000

CAUTION !!!
Existing 8" Sanitary Sewer

OWNER:
FAE HISER, LLC & FAE TATE, LLC

TALLGRASS EAST COMMERCIAL 2ND ADDITION ①

WL 1, Sta. 2+51.00
1- 1" Air Release Assembly
See detail, sheet no. 7.

5003

WL 1, Sta. 2+55.00
1- 8" 11 1/4° Bend (rotated)
Defl.= 9°17'01" (Horiz.)
Defl.= 8°33'56" (Vert.)

5004

CAUTION !!!
Exist. 24" RCP
Storm Water Sewer

WL 1, Sta. 3+67.08
1- 8" 22 1/2° Bend
Defl.= 19°05'41" (Horiz.)

5005

WL 1, Sta. 3+86.29
1- 8" 11 1/4° Bend (rotated)
Defl.= 11°29'01" (Horiz.)
Defl.= 7°39'12" (Vert.)

5006

WL 1, Sta. 3+91.00
1- Fire Hydrant Assembly
L= 4'
Top Valve Box El.= 1394.8
FH Bury Line El.= 1394.9
1- 8" Anchored Valve Assembly, Special (N)
(MJ Gate Valve)
Top Valve Box El.= 1394.6

5007

WL 1, Sta. 4+11.00
1- 2" Blowoff Assembly
Top Valve Box El.= 1395.0

5008

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

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

* PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE THE EXISTING 8" WATERLINE AT STATION 0+00.00 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.

℄ 21ST STREET NORTH = SECTION LINE

Conc. Sidewalk
20' Utility Esmt.
Top Nut= 1387.13
FH
WV
8" PVC Waterline (rec. info.)
8" San. Sewer
Asphalt
36" DI Waterline (rec. info.)
Stnd. C&G
Conc. Sidewalk
Fiber Optic (AT&T)
8" San. Sewer
20' Utility Easement
Sta. 0+30.38 PC Curve
5001

Nominal Radius= 1008.5'
RESERVE A
(ACCESS ROAD)
Asphalt
Stnd. C&G
5'
15' Utility Esmt. & 15' Private Drive and Drainage Esm't
3
Sta. 2+09.78 PT Curve
5002
255.00'- 8" Pipe

Install 257.0 L.F. Silt Fence

Sta. 2+55.00 to Sta. 3+67.08
112.08'- 8" Pipe by Directional Drill

2
15' Utility Esm't. & 15' Private Drive and Drainage Esm't
24" RCP
Proposed Pavement (by others)
Prop. 18" RCP SWS (by others)
SDM#2
9.2'
℄= 1390.38
Exist. 24" RCP Storm Water Sewer
℄= 1384.83 (Underwater)
Water Surface El.= 1389.00 (5/25/2018)
Edge of Water
RESERVE B
10' Utility Easement
Conc. Sidewalk
4
Sta. 3+86.29 PC Curve
Sta. 3+91.00 PT Curve
RESERVE A
5'
15' Utility Esm't. & 15' Private Drive and Drainage Esm't
① TALLGRASS EAST COMMERCIAL 2ND ADDITION

Install 75.0 L.F. Silt Fence

20.00'- 8" RJ Pipe
Nominal Radius= 240.0'
4.71'- 8" DICL Pipe
19.21'- 8" RJ Pipe

SDM#2 – Conc. MH
Top= 1393.24
℄ In= 1388.84 24" RCP (WNW)
℄ Out= 1386.49 24" RCP (ESE)

JOSHUA GOLF LICENSED 24136 08/31/2018 KANSAS PROFESSIONAL ENGINEER

WATERLINE NO. 1

5001

BEGIN LINE NO. 1
Exist. 8" Sanitary Sewer ℄= 1377.22
Air Release Assembly
11 1/4° Bend (rotated)
24" RCP SWS ℄= 1386.23
22 1/2° Bend (Horizontal)
11 1/4° Bend (rotated)
Fire Hydrant
Blowoff Assembly
END LINE NO. 1
112.08 L.F. by Directional Drill

Existing Ground
Proposed Ground (by others)
Top of Proposed 8" Water Main
Top of Exist. 8" Water Main
2' clear (min.)

Exist. 8" *																				
1385.64	1387.35	1388.00	1388.07	1388.19	1388.20	1388.25	1388.23	1383.83	1383.50	1386.73	1390.33	1390.52	1391.03	1391.60						
+00.00	+05.00	+30.38 PC Curve	+50.00	+09.78 PRC Curve		+51.00	+55.00		+16.30	+67.08	+86.29 PC Curve	+91.00	+11.00 PT Curve							

1405 1400 1395 1390 1385 1380 1375 1370 1365

0+00 1+00 2+00 3+00 4+00

TALLGRASS EAST COMMERCIAL 2ND ADDITION
WATERLINE IMPROVEMENTS
WATERLINE NO. 1
GARY JANZEN, P.E. – CITY ENGINEER
CITY OF WICHITA PROJECT NO. 448-90742

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

Job No. 35-1170367-001-0042
Date June 2018
Designed By JAG
Drawn By CSL, KTD

Sheet 4 of 13

Saved 08-30-2018, 2:08:04 PM by CSL
Plotted 08-30-2018, 2:08:05 PM by CSL
I:\Wichita-Civil\2017\170367\001\Mun\Drawings\170367-001-C04 WATERLINE NO. 1