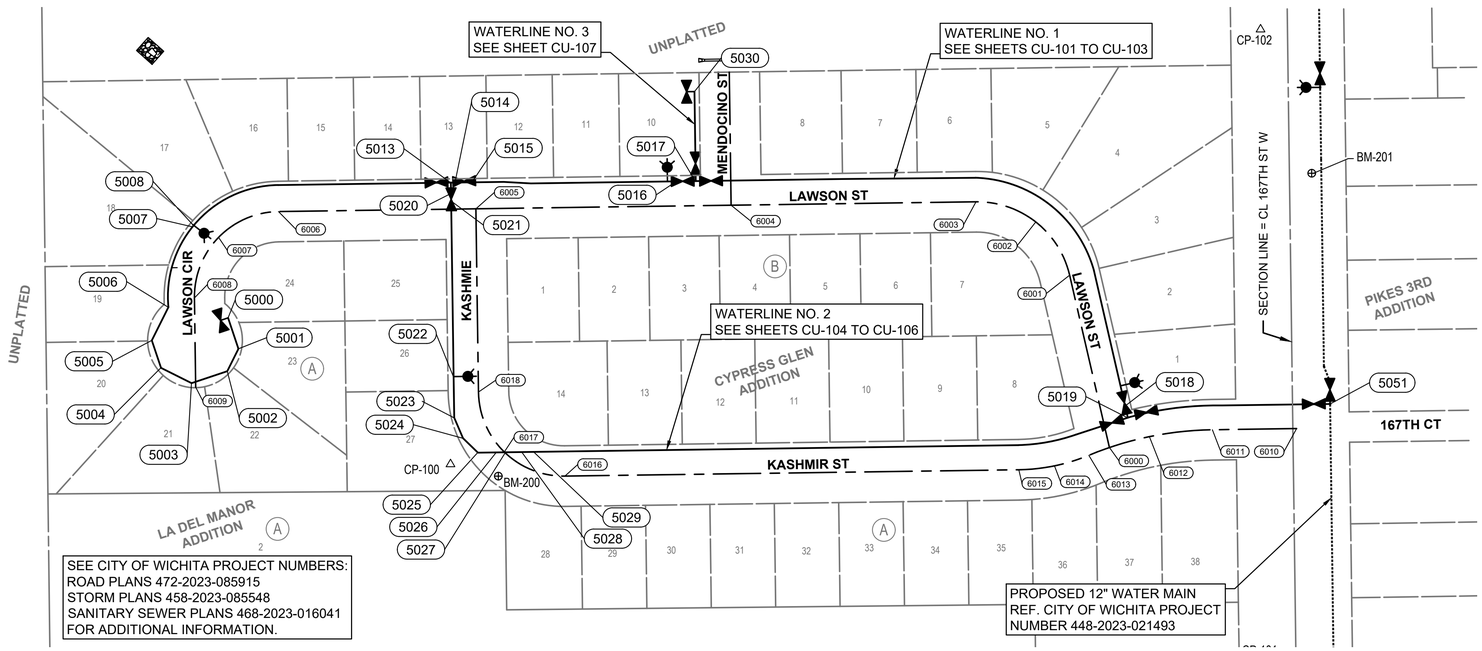

LEGEND

- EXISTING WATER MAIN
- PROPOSED WATER MAIN
- EXISTING WATER VALVE
- PROPOSED WATER VALVE
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- EXISTING BLOW OFF

0 40' 80' 160'

CONTROL SUMMARY
HORIZONTAL DATUM/COORDINATE SYSTEM: NAD 83 (2011) KANSAS
SOUTH ZONE PROJECT COORDINATE SYSTEM: (GRID) ON DESCRIBED
COORDINATE SYSTEM VERTICAL DATUM: NAVD 88
SCALE POINT: NORTHING: 0
EASTING: 0
COMBINED ADJUSTMENT FACTOR (CAF): GROUND TO GRID=0.99988034
GRID TO
GROUND=1/0.99988034
DISTANCE UNITS: US SURVEY FEET

HORIZONTAL CONTROL POINTS

CP-100
N: 1,683,328.6253 E: 1,590,916.2335
SET 1/2" REBAR WITH BLUE PEC CP CAP AT SURFACE
1. 43.37' SE TO CENTERLINE TOP SANITARY SEWER MANHOLE
2. 46.54' ESE TO SW COR CONCRETE PAD
3. 44.54' SSE TO CENTERLINE TOP SANITARY SEWER MANHOLE

CP-101
N: 1,683,117.2541 E: 1,591,765.8789
SET 1/2" REBAR WITH BLUE PEC CP CAP AT SURFACE
1. 43.75' E TO CENTERLINE OF 167TH STREET
2. 17' ESE TO 60D NAIL IN N FACE OF POWER POLE
3. 14.2' NNE TO S FACE OF THE WEST STEEL SIGN POST AT BASE

CP-102
N: 1,683,787.3569 E: 1,591,771.7391
SET 1/2" REBAR WITH BLUE PEC CP CAP AT SURFACE
1. 6.55' NE TO S END OF A 18" CMP
2. 11.4' SE TO W FACE OF 55 MPH STEEL SIGN POST AT BASE
3. 19' N TO THE CENTERLINE OF FIELD ENTRANCE TO W

CP-103 (NOT SHOWN)
N: 1,684,984.5755 E: 1,591,752.4737 SET 1/2" REBAR WITH BLUE PEC CP CAP AT SURFACE
1. 9.98' NNW TO S FACE OF THE EAST STEEL SIGN POST AT BASE
2. 33.3' N TO S END OF AN 18" CMP
3. 42.3' E TO CENTERLINE OF 167TH STREET

BENCH MARKS

BM-200
ELEV: 1,429.28 (NAVD 88)
CHISLED SQUARE CUT IN NE CORNER OF CONCRETE LIFT STATION PAD APPROXIMENTLY 839 FEET W OF THE CENTERLINE OF 167TH ST AND 882 FEET NORTH OF MAPLE STREET

BM-201 (NOT SHOWN)
ELEV: 1,431.85 (NAVD 88)
SET "T" SHAPED FENCE POST FLUSH WITH GROUND 1.5 FEET WEST OF WOODEN POWER POLE APPROX 1202 FEET NORTH OF THE INTERSECTION OF 167TH STREET AND MAPLE STREET ON THE EAST SIDE OF ROAD

BM-202 (NOT SHOWN)
ELEV: 1,424.24 (NAVD 88)
SET "T" SHAPED FENCE POST FLUSH WITH GROUND 1.5 FEET WEST OF A WOODEN CORNER FENCE POST APPROXIMENTLY 33 FEET NORTH OF A HEDGE ROW TO WEST AND 2667 FEET NORTH OF THE INTERSECTION OF MAPLE STREET AND 167TH STREET ON WEST SIDE OF 167TH STREET

FITTING TABLE WATERLINE NO. 1

ID	ALIGNMENT	STATION	COORDINATES	DESCRIPTION
5000	WL NO. 1	9+90.0	N: 1,683,482.8317 E: 1,590,681.4550	2" BLOWOFF ASSEMBLY
5001	WL NO. 1	10+24.4	N: 1,683,450.1947 E: 1,590,692.3763	6" 45° BEND
5002	WL NO. 1	10+50.8	N: 1,683,426.5384 E: 1,590,680.5826	6" 45° BEND
5003	WL NO. 1	10+90.5	N: 1,683,413.9437 E: 1,590,642.9449	6" 45° BEND
5004	WL NO. 1	11+26.6	N: 1,683,430.0356 E: 1,590,610.6670	6" 45° BEND
5005	WL NO. 1	11+57.2	N: 1,683,459.0528 E: 1,590,600.9570	6" 45° BEND
5006	WL NO. 1	11+96.4	N: 1,683,494.1211 E: 1,590,618.4400	6" 22.5° BEND
5007	WL NO. 1	12+87.3	N: 1,683,579.0027 E: 1,590,643.9208	8" X 6" REDUCER
5008	WL NO. 1	12+89.3	N: 1,683,580.5280 E: 1,590,645.1756	FIRE HYDRANT ASSEMBLY
5009	WL NO. 1	13+19.0	N: 1,683,600.7680 E: 1,590,666.8820	8" 11.25° BEND (VERTICAL)
5010	WL NO. 1	13+26.8	N: 1,683,605.1138 E: 1,590,673.3488	8" 11.25° BEND (VERTICAL)
5011	WL NO. 1	13+47.1	N: 1,683,614.3520 E: 1,590,691.4093	8" 11.25° BEND (VERTICAL)
5012	WL NO. 1	13+52.8	N: 1,683,616.3575 E: 1,590,696.6857	8" 11.25° BEND (VERTICAL)
5013	WL NO. 1	15+73.6	N: 1,683,625.6335 E: 1,590,916.7597	8" X 8" TEE
5014	WL NO. 1	15+77.9	N: 1,683,625.6930 E: 1,590,921.0204	8" 11.25° VERT. BEND
5015	WL NO. 1	15+95.8	N: 1,683,625.9426 E: 1,590,938.8929	8" 11.25° VERT. BEND
5016	WL NO. 1	18+12.2	N: 1,683,626.9724 E: 1,591,155.2593	FIRE HYDRANT ASSEMBLY
5017	WL NO. 1	18+32.2	N: 1,683,627.2522 E: 1,591,175.2598	8" X 8" TEE
5018	WL NO. 1	24+44.3	N: 1,683,389.7768 E: 1,591,628.6734	FIRE HYDRANT ASSEMBLY
5019	WL NO. 1	24+56.9	N: 1,683,377.4893 E: 1,591,631.5073	8" X 8" TEE

(6000) = COORDINATE POINT NO.

FITTING TABLE WATERLINE NO. 2

ID	ALIGNMENT	STATION	COORDINATES	DESCRIPTION
5013	WL NO. 1	15+73.6	N: 1,683,625.6335 E: 1,590,916.7597	8" X 8" TEE
5019	WL NO. 1	24+56.9	N: 1,683,377.4893 E: 1,591,631.5073	8" X 8" TEE
5020	WL NO. 2	26+11.6	N: 1,683,614.0318 E: 1,590,916.9357	8" 22.5° VERT. BEND
5021	WL NO. 2	26+19.4	N: 1,683,606.2007 E: 1,590,917.0446	8" 22.5° VERT. BEND
5022	WL NO. 2	28+04.8	N: 1,683,420.8683 E: 1,590,919.6238	FIRE HYDRANT ASSEMBLY
5023	WL NO. 2	28+48.3	N: 1,683,377.3771 E: 1,590,920.2321	8" 22.5° BEND
5024	WL NO. 2	28+71.8	N: 1,683,355.7941 E: 1,590,929.5278	8" 22.5° BEND
5025	WL NO. 2	28+93.7	N: 1,683,340.5138 E: 1,590,945.2416	8" 45° BEND
5026	WL NO. 2	29+13.2	N: 1,683,340.7831 E: 1,590,964.7866	8" 22.5° VERT. BEND
5027	WL NO. 2	29+23.1	N: 1,683,340.9243 E: 1,590,974.6074	8" 22.5° VERT. BEND
5028	WL NO. 2	29+40.0	N: 1,683,341.1610 E: 1,590,991.5458	8" 22.5° VERT. BEND
5029	WL NO. 2	29+52.6	N: 1,683,341.3365 E: 1,591,004.1046	8" 22.5° VERT. BEND
5051	WL NO. 4	59+40.6	N: 1,683,391.9098 E: 1,591,845.0863	12" X 8" TEE

(6000) = COORDINATE POINT NO.

1

FITTING TABLE WATERLINE NO. 3

ID	ALIGNMENT	STATION	COORDINATES	DESCRIPTION
5017	WL NO. 1	18+32.2	N: 1,683,627.2522 E: 1,591,175.2598	8" X 8" TEE
5030	WL NO. 3	40+94.5	N: 1,683,721.7430 E: 1,591,173.9414	2" BLOWOFF ASSEMBLY

CL LAWSON STREET

COORDINATE LIST				
POINT	NORTHING	EASTING	STATION	DESCRIPTION
6000	1,683,345.9781	1,591,612.0726	108+50.60	PI
6001	1,683,527.9130	1,591,570.0322	106+63.87	PI
6002	1,683,584.0991	1,591,534.2945	105+95.99	PI
6003	1,683,605.3890	1,591,471.2010	105+28.10	PI
6004	1,683,601.7722	1,591,212.6231	105+69.50	PI
6005	1,683,598.0030	1,590,943.1487	100+00.00	PI

(6000) = COORDINATE POINT NO.

CL KASHMIE STREET

COORDINATE LIST				
POINT	NORTHING	EASTING	STATION	DESCRIPTION
6005	1,683,598.0030	1,590,943.1487	200+00.00	PI
6017	1,683,341.2572	1,590,973.1028	201+93.50	PI
6018	1,683,404.5219	1,590,945.8550	202+64.19	PI

(6000) = COORDINATE POINT NO.

CL LAWSON CIR

COORDINATE LIST				
POINT	NORTHING	EASTING	STATION	DESCRIPTION
6005	1,683,598.0030	1,590,943.1487	100+00.00	PI
6006	1,683,595.0870	1,590,734.6698	97+91.50	PI
6007	1,683,567.8391	1,590,671.4051	97+20.81	PI
6008	1,683,503.8370	1,590,645.9373	96+50.13	PI
6009	1,683,409.7172	1,590,647.2538	95+56.00	PI

(6000) = COORDINATE POINT NO.

CL KASHMIR STREET

COORDINATE LIST				
POINT	NORTHING	EASTING	STATION	DESCRIPTION
6000	1,683,345.9781	1,591,612.0726	209+13.40	PI
6010	1,683,365.9732	1,591,809.7056	211+13.11	PI
6011	1,683,364.7291	1,591,720.7563	209+13.40	PI
6012	1,683,357.4579	1,591,654.2478	209+57.14	PI
6013	1,683,337.7685	1,591,590.3058	209+90.14	PI
6014	1,683,326.6131	1,591,554.0780	208+52.17	PI
6015	1,683,322.4934	1,591,516.3961	208+14.21	PI
6016	1,683,315.7895	1,591,037.1049	203+34.87	PI
6017	1,683,341.2572	1,590,973.1028	202+64.19	PI

(6000) = COORDINATE POINT NO.

WATERLINE BENEFIT DISTRICT
LOTS 1 THRU 38, BLOCK A, &
LOTS 1 THRU 14, BLOCK B,
ALL IN THE CYPRESS GLEN ADDITION
TO WICHITA, SEDGWICK COUNTY,
KANSAS.

SEE SHEET NO. C-003
FOR PLAT COORDINATES

NOTE: WATERLINE VALVES TO BE OPERATED BY CONTRACTOR ONLY IF WATER DEPARTMENT REPRESENTATIVE IS ON SITE.

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CITY OF WICHITA

GAGE SCHEER LICENSED 28775 KANSAS PROFESSIONAL ENGINEER

WATERLINE IMPROVEMENTS
TO SERVE
CYPRESS GLEN ADDITION

PAUL GUNZELMAN, P.E. - CITY ENGINEER
CITY OF WICHITA PROJECT NO. 448-2023-016042

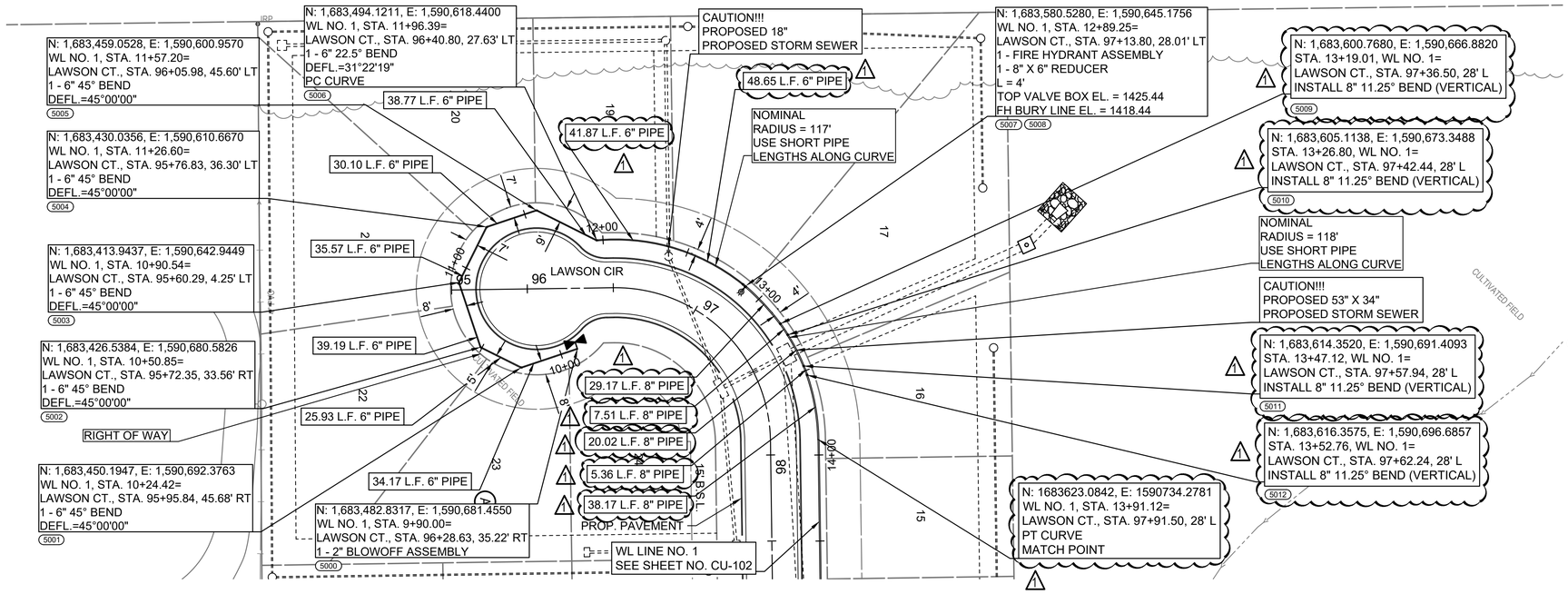
	REVISION #1	1/24/24

JOB NO.	210975-007
DATE	SEPTEMBER 2023
PM	GAS
DESIGNED BY	SNW
DRAWN BY	AJH
CHECKED BY	GAS

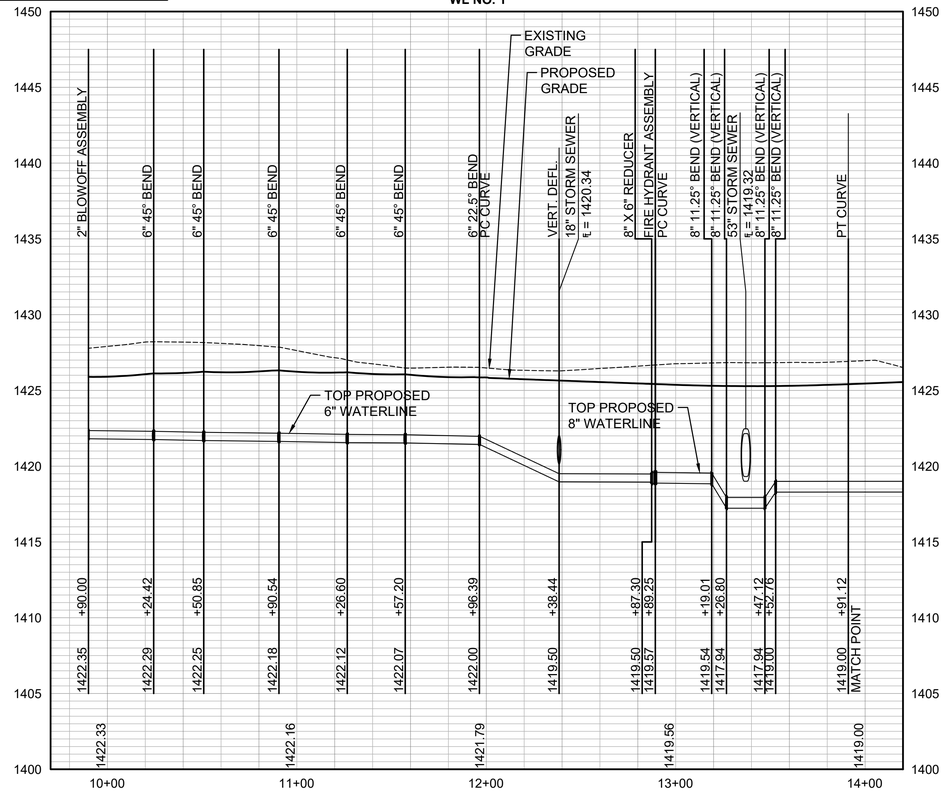
WATERLINE BUBBLE MAP

CU-100
4 OF 21

SAVED 1/24/2024 9:47:42 AM BY KURTIS.DEKAT
PLOTTED 1/24/2024 10:18:02 AM BY KURTIS.DEKAT
U:\WICHITA-CIVIL\2021\210975\007\PEC\DRAWINGS\210975-007-CU-100.DWG



UNLESS NOTED OTHERWISE,
ELEVATIONS SHOWN ARE TOP OF PIPE



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CYPRESS GLEN ADDITION

PAUL GUNZELMAN, P.E. - CITY ENGINEER
CITY OF WICHITA PROJECT NO. 448-2023-016042

	REVISION #1	1/24/24

JOB NO.	210975-007
DATE	SEPTEMBER 2023
PM	GAS
DESIGNED BY	SNW
DRAWN BY	AJH
CHECKED BY	GAS

WATERLINE NO. 1

CU-101
5 OF 21

SAVED 1/24/2024 9:48:28 AM BY KURTIS.DEKAT
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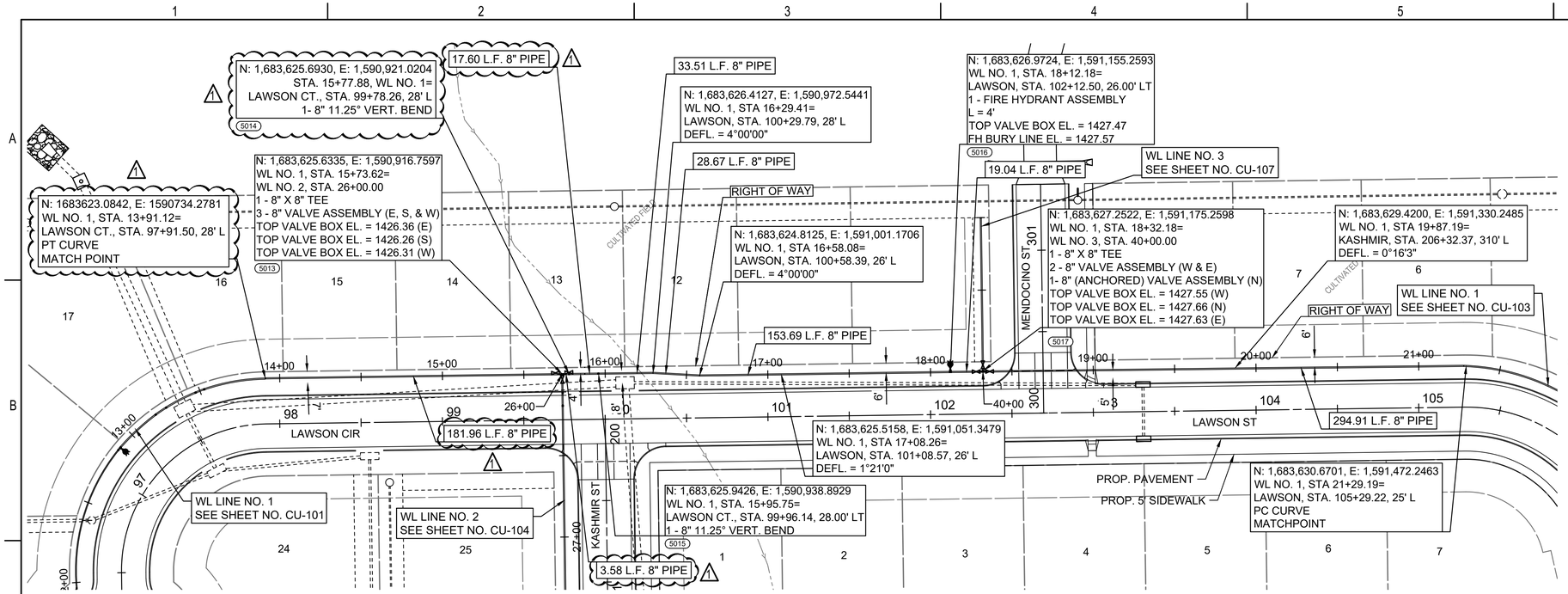
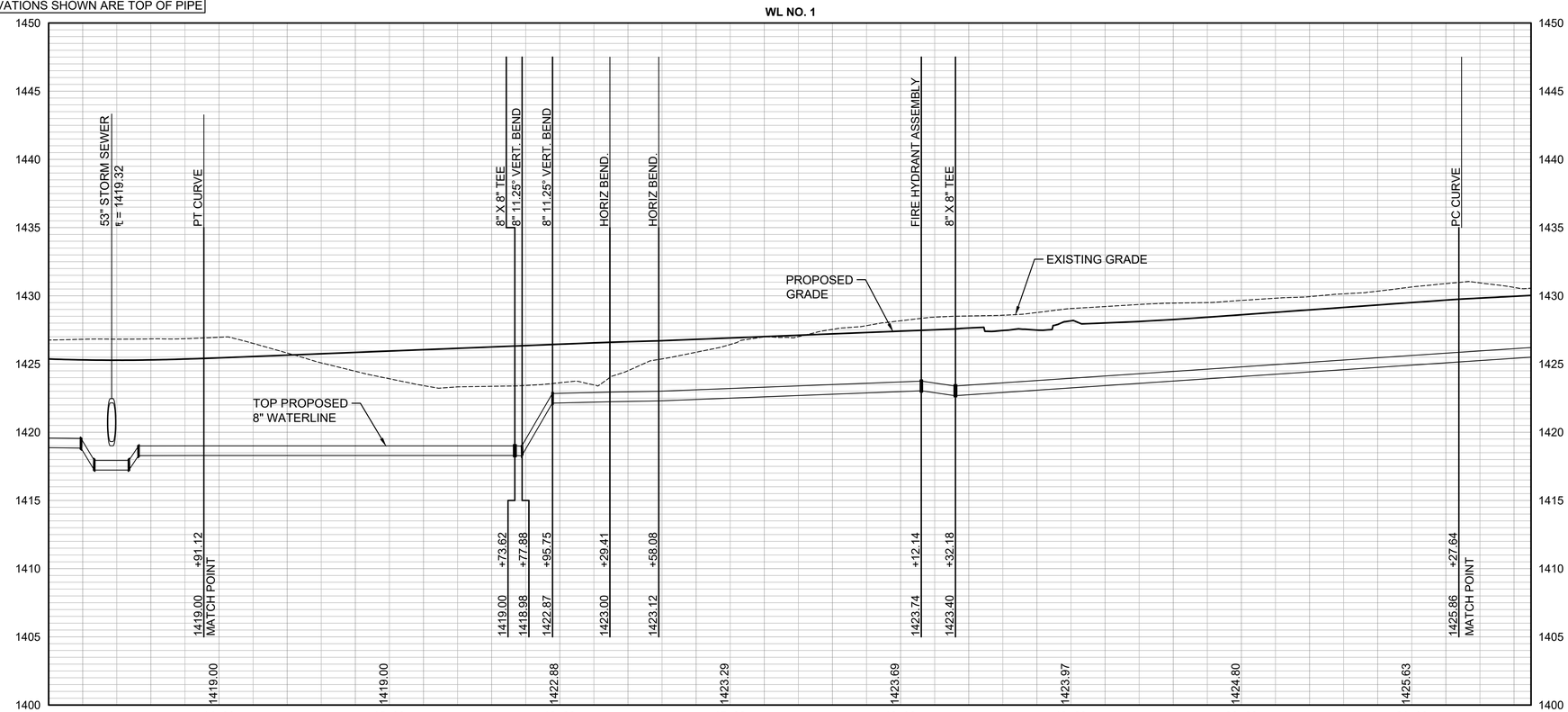


UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE



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TO SERVE
CYPRESS GLEN ADDITION

PAUL GUNZELMAN, P.E. - CITY ENGINEER
CITY OF WICHITA PROJECT NO. 448-2023-016042

	REVISION #1	1/24/24

JOB NO.	210975-007
DATE	SEPTEMBER 2023
PM	GAS
DESIGNED BY	SNW
DRAWN BY	AJH
CHECKED BY	GAS

WATERLINE NO. 1

CU-102
6 OF 21

SAVED 1/24/2024 9:49:34 AM BY KURTIS.DEKAT
PLOTTED 1/24/2024 10:18:07 AM BY KURTIS DEKAT
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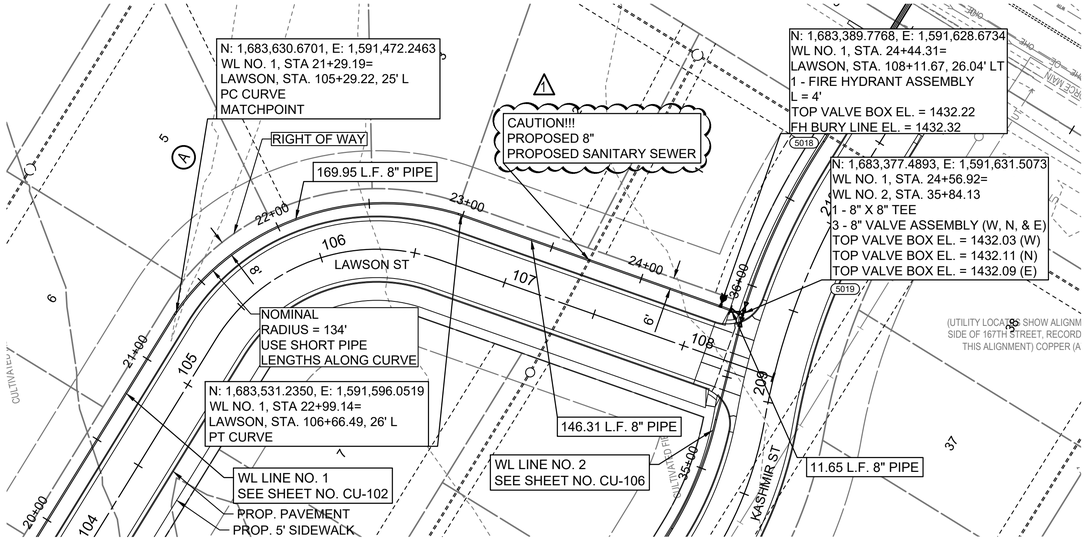

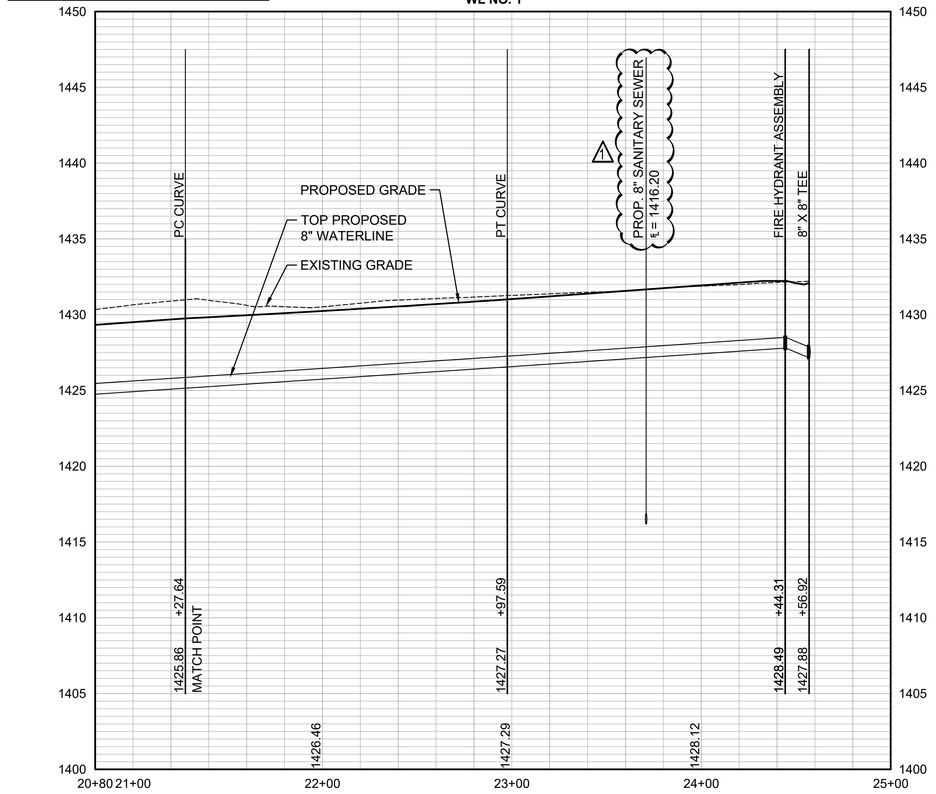

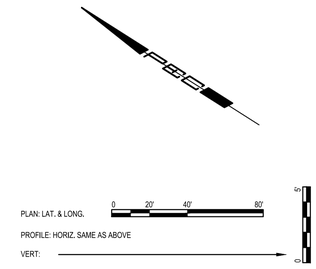

LEGEND

(5000) = SEE SHEET NO. CU-100 FOR WATERLINE COORDINATES (TYP.)

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WATERLINE IMPROVEMENTS
TO SERVE
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PAUL GUNZELMAN, P.E. - CITY ENGINEER
CITY OF WICHITA PROJECT NO. 448-2023-016042

	REVISION #1	1/24/24

JOB NO.	210975-007
DATE	SEPTEMBER 2023
PM	GAS
DESIGNED BY	SNW
DRAWN BY	AJH
CHECKED BY	GAS

WATERLINE NO. 1

CU-103
7 OF 21

SAVED 1/24/2024 9:50:26 AM BY KURTIS.DEKAT
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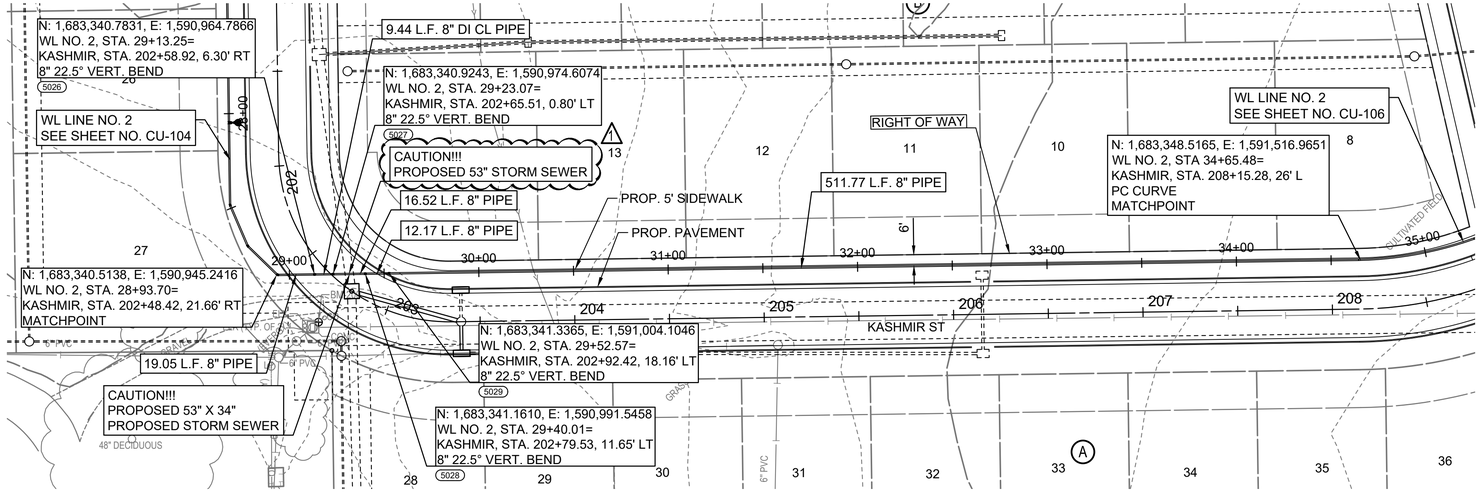
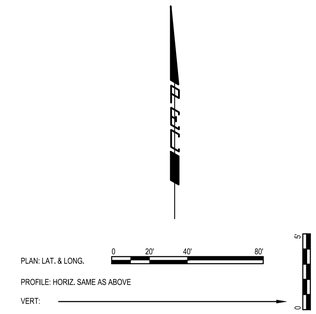
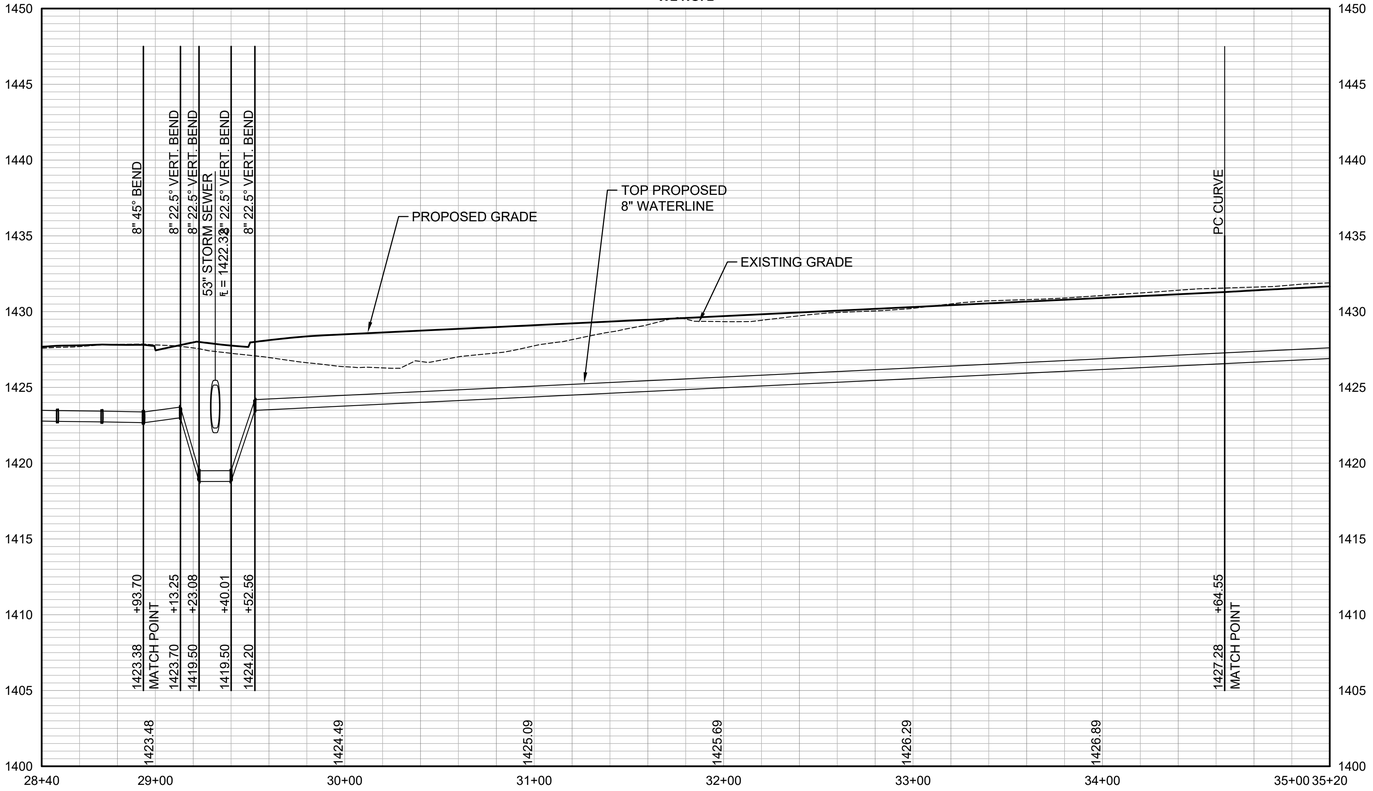




LEGEND

(5000) = SEE SHEET NO. CU-100 FOR WATERLINE COORDINATES (TYP.)

UNLESS NOTED OTHERWISE,
ELEVATIONS SHOWN ARE TOP OF PIPE



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WATERLINE IMPROVEMENTS
TO SERVE
CYPRESS GLEN ADDITION

PAUL GUNZELMAN, P.E. - CITY ENGINEER
CITY OF WICHITA PROJECT NO. 448-2023-016042

	REVISION #1	1/24/24

JOB NO.	210975-007
DATE	SEPTEMBER 2023
PM	GAS
DESIGNED BY	SNW
DRAWN BY	AJH
CHECKED BY	GAS

WATERLINE NO. 2

CU-105
9 OF 21

SAVED 1/24/2024 9:54:40 AM BY KURTIS.DEKAT
PLOTTED 1/24/2024 10:18:11 AM BY KURTIS.DEKAT
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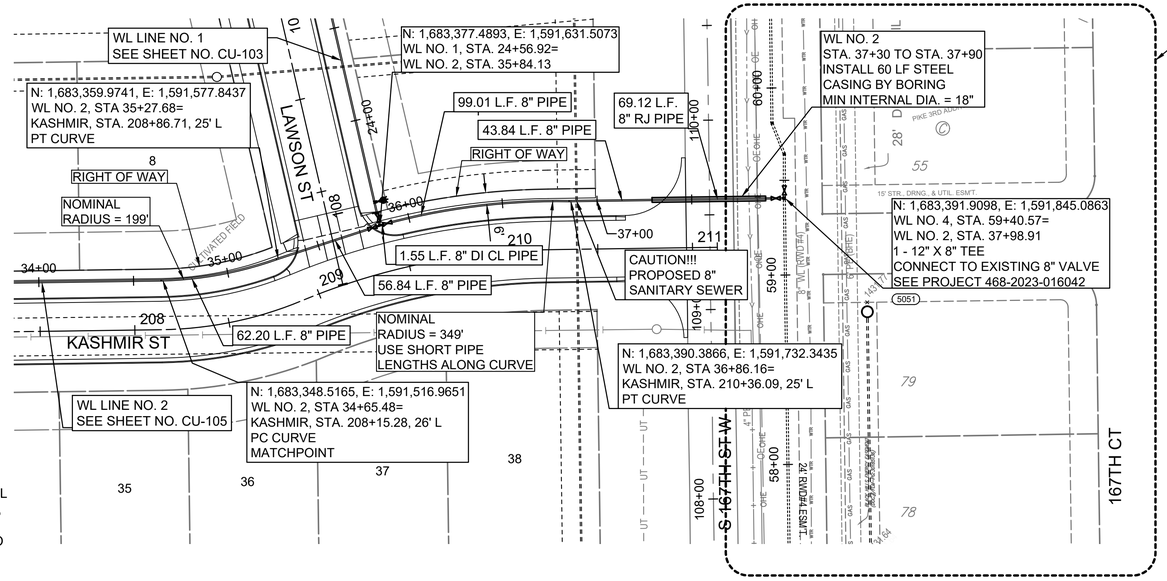
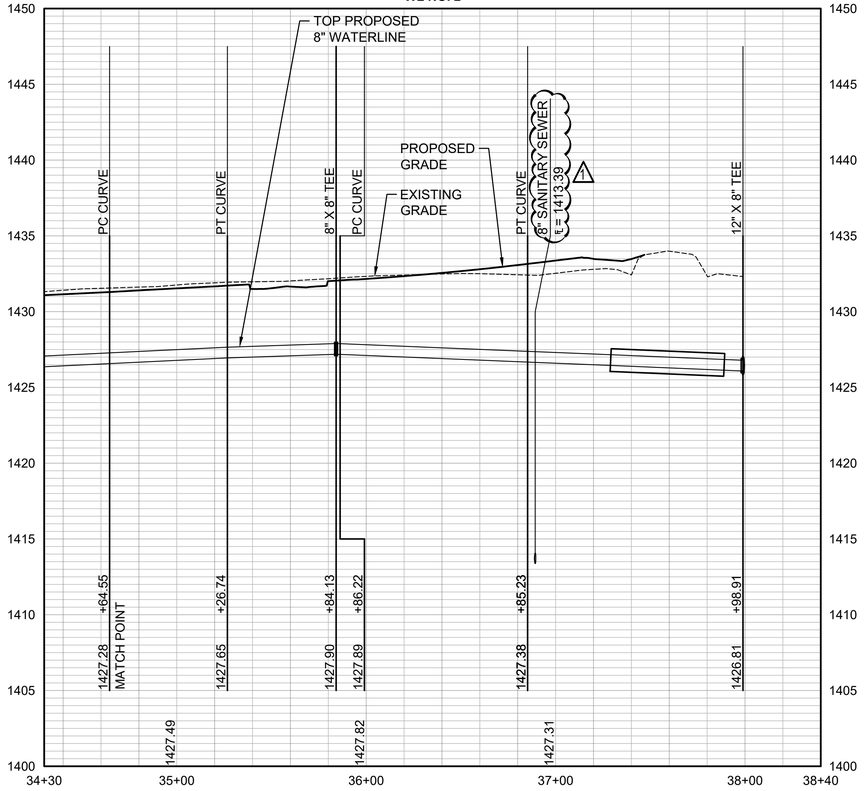


* PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE THE 8" WATERLINE AT STA. 37+00.16 TO VERIFY PIPE SIZE, TYP, FITTINGS, AND HORIZONTAL AND VERTICAL LOCATION. THE CONTRACTOR SHALL REPORT THEIR FINDINGS TO THE ENGINEER SO THE NECESSARY PLAN MODIFICATIONS CAN BE MADE. ANY ADDITIONAL LABOR OR MATERIALS NECESSARY TO COMPLETE THE CONNECTION SHALL BE SUBSIDIARY TO THE PROJECT.

UNLESS NOTED OTHERWISE,
ELEVATIONS SHOWN ARE TOP OF PIPE



LEGEND

(5000) = SEE SHEET NO. CU-100 FOR WATERLINE COORDINATES (TYP.)

NOTES:

1. CONTRACTOR SHALL PROVIDE A MINIMUM OF 48 HOURS NOTICE TO RWD #4 BEFORE WORKING WITHIN OR ADJACENT TO THE SEDGWICK COUNTY RWD #4 WATERLINE EASEMENT. NOTICE SHALL BE PROVIDED TO THE RWD OFFICE MANAGER AND TO JIM HOOPER WITH HOOPER CONSRUCTION AT 316-207-1080.

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CITY OF WICHITA

GAGE SCHER LICENSED 28775 LANSING PROFESSIONAL ENGINEER

WATERLINE IMPROVEMENTS
TO SERVE
CYPRESS GLEN ADDITION

PAUL GUNZELMAN, P.E. - CITY ENGINEER
CITY OF WICHITA PROJECT NO. 448-2023-016042

	REVISION #1	1/24/24

JOB NO.	210975-007
DATE	SEPTEMBER 2023
PM	GAS
DESIGNED BY	SNW
DRAWN BY	AJH
CHECKED BY	GAS

WATERLINE NO. 2

CU-106
10 OF 21

SAVED 1/24/2024 9:57:09 AM BY KURTIS.DEKAT
PLOTTED 1/24/2024 10:18:14 AM BY KURTIS DEKAT
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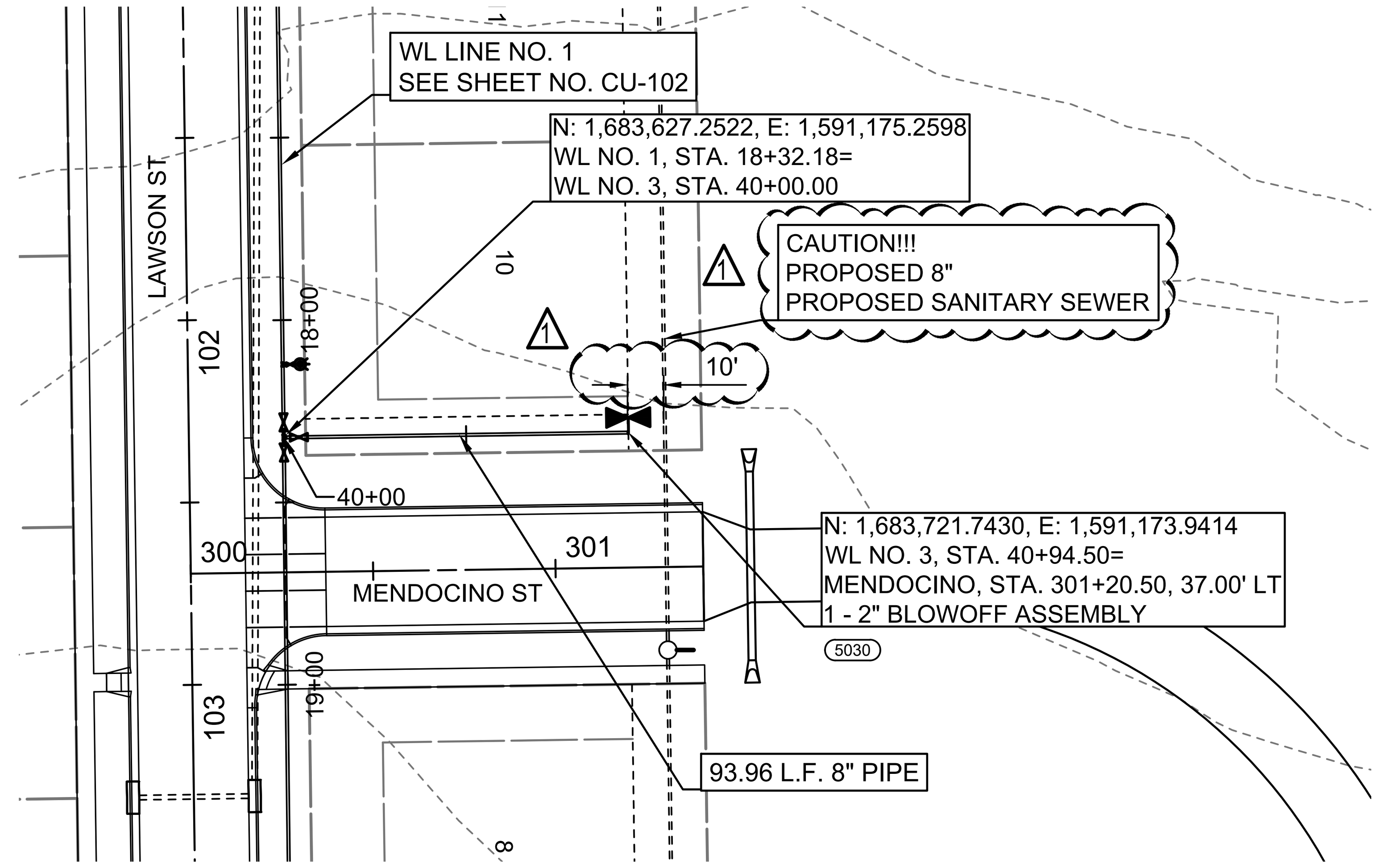
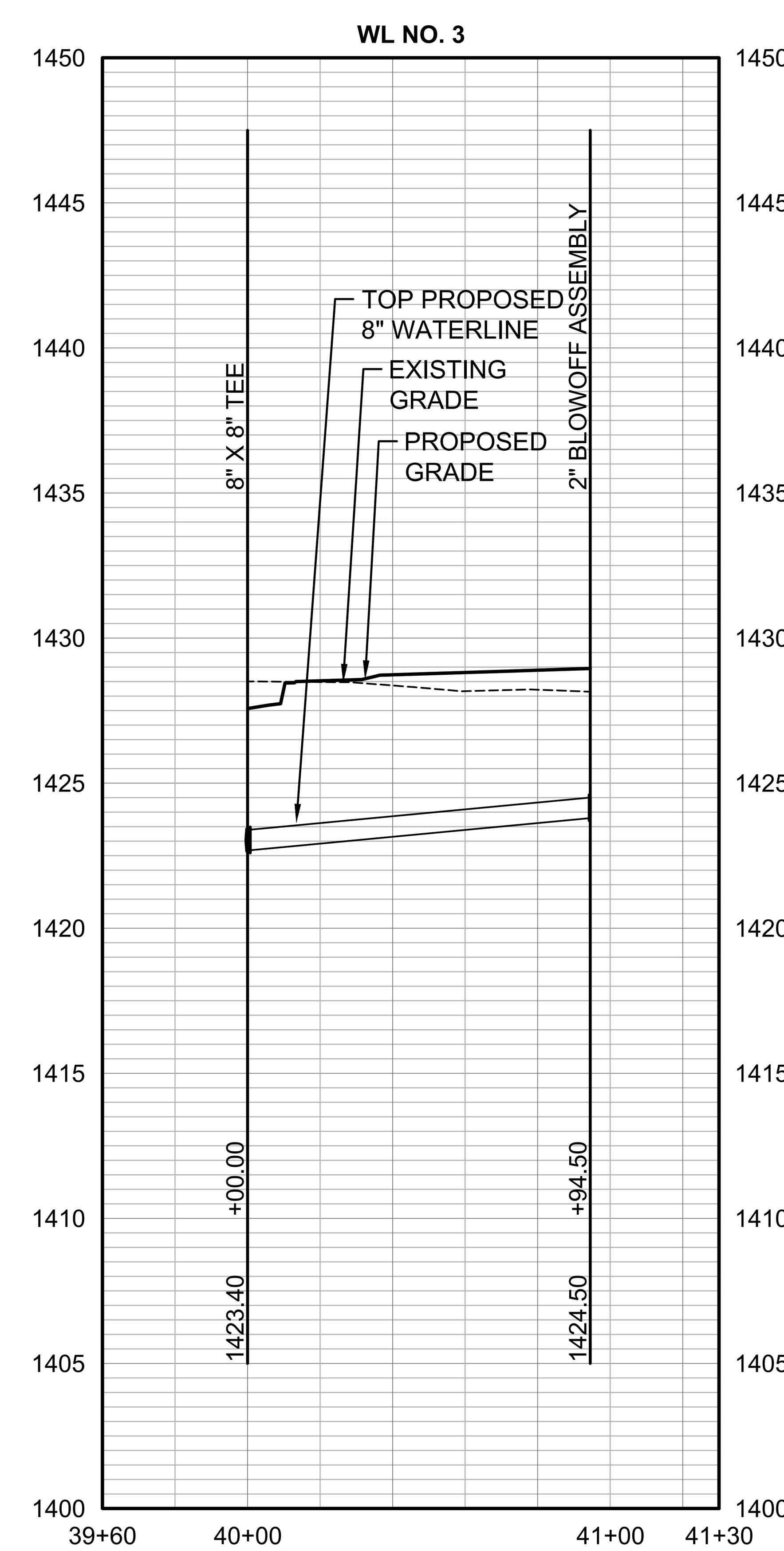


PLAN: LAT. & LONG.

PROFILE: HORIZ. SAME AS ABOVE

VERT:



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CITY OF WICHITA

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LICENSED
28775
KANSAS
PROFESSIONAL ENGINEER

WATERLINE IMPROVEMENTS
TO SERVE
CYPRESS GLEN ADDITION

PAUL GUNZELMAN, P.E. - CITY ENGINEER
CITY OF WICHITA PROJECT NO. 448-2023-016042

1	REVISION #1	1/24/24

JOB NO.	210975-007
DATE	SEPTEMBER 2023
PM	GAS
DESIGNED BY	SNW
DRAWN BY	AJH
CHECKED BY	GAS

WATERLINE NO. 3

CU-107

11 OF 21

SAVED 1/24/2024 10:03:01 AM BY KURTIS.DEKAT
PLOTTED 1/24/2024 10:18:15 AM BY KURTIS.DEKAT
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