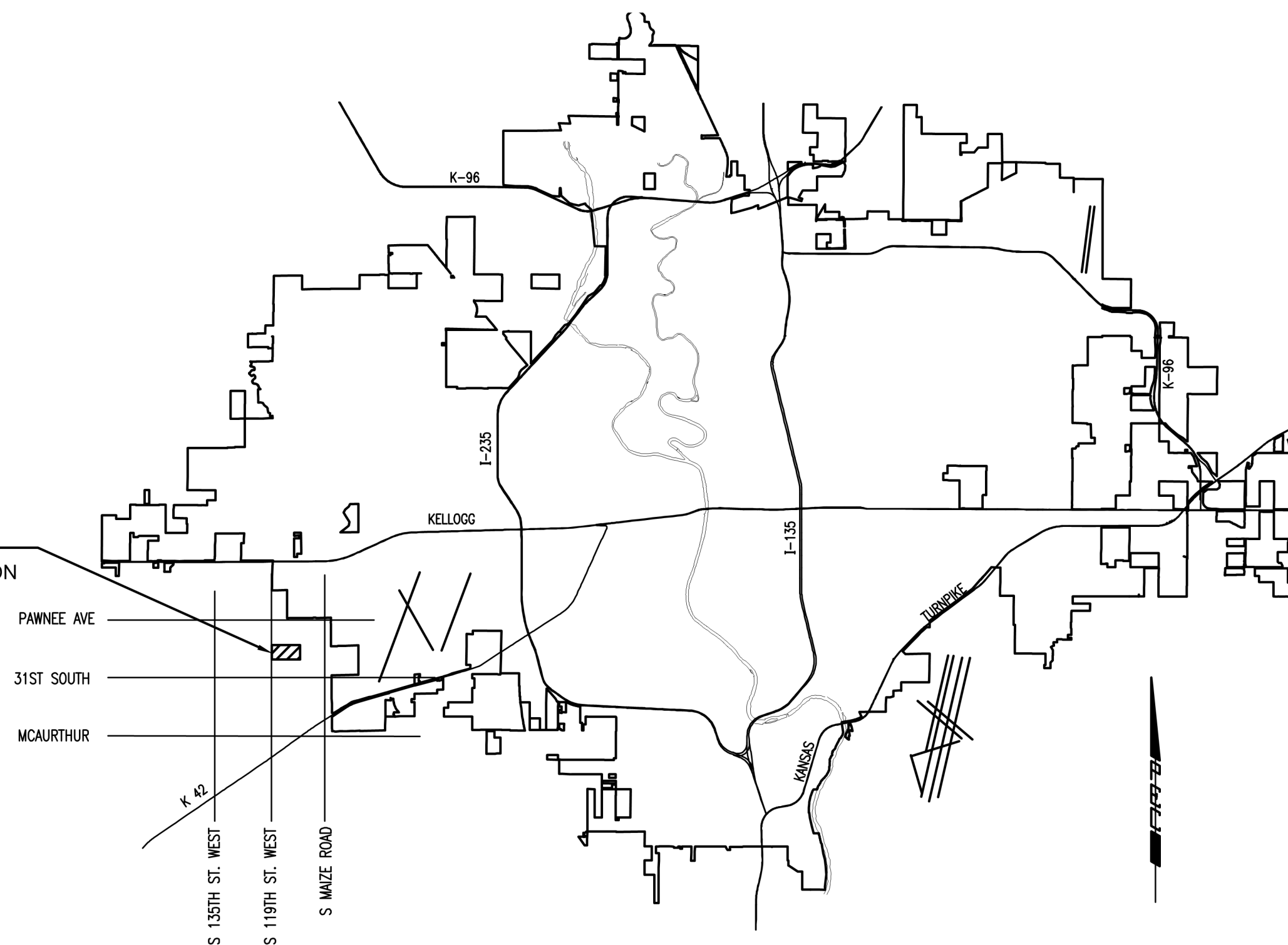


RED LINE - FIELD SET

PROJECT LOCATION —————
BRIDGER PAWNEE ADDITION

LOCATION MAP

PIPE, WL 6" (C900 PVC)	JETSTREAM by pipeline	1479	LF
PIPE, WL 6" DICL		6	LF
PIPE, WL 8" (C900 PVC)	JETSTREAM by pipeline	4494	LF
PIPE, WL 8" DICL		17	LF
Valve Assembly, 6" (RES. GATE)	FLOWMASTER	1	EA
Valve Assembly, 8" (RES. GATE)	FLOWMASTER	11	EA
Valve Assembly, Anchored 8" (RES. GATE)	FLOWMASTER	2	EA
Valve Assembly, Anchored 8", Special (RES. GATE)	FLOWMASTER	3	EA
Valve Assembly, Blowoff (RES. GATE)	CLOW	6	EA
Fire Hydrant Assembly	CLOW	6	EA

INDEX OF SHEETS

SHEET NUMBER	SHEET TITLE
C-001	WL TITLE SHEET
C-002	GENERAL NOTES
C-003	KEY MAP AND BUBBLE MAP
C-004	PLAT COORDINATES
CU101	WATERLINE NO. 1
CU102	WATERLINE NO. 1
CU103	WATERLINE NO. 1
CU104	WATERLINE NO. 2
CU105	WATERLINE NO. 2
CU106	WATERLINE NO. 2
CU107	WATERLINE NO. 2
CU108	WATERLINE NO. 2
CU109	WATERLINE NO. 3
CU110	WATERLINE NO. 4
CU111	WATERLINE NO. 5
CU112	WATERLINE NO. 5
CU113	WATERLINE NO. 5
CU114	WATERLINE NO. 6
CU115	WATERLINE NO. 6
CU116	WATERLINE NO. 6
CU117	WATERLINE NO. 7
CU501	STANDARD WATER ASSEMBLY DETAIL
CU502	MISCELLANEOUS WATER DETAILS
CU600	EROSION CONTROL PLAN
CU601	BMP DETAILS
CU602	BMP DETAILS
CU603	BMP DETAILS
CU604	BMP DETAILS
CU605	BMP DETAILS
CU701	COPY OF PLAT

RED LINE - FIELD SET

Prepared By: Clinton J Rogers

Date: JANUARY 2026

WATERLINE IMPROVEMENTS TO SERVE

BRIDGER PAWNEE ADDITION

PAUL GUNZELMAN, P.E.-CITY ENGINEER
CITY OF WICHITA PROJECT NO. 448-2024-016899

Issue:	
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RED LINE - FIELD SET
U:\Wichita-Civil\2023\230656\012\4CA9_Inspection

JOB NO. 230656-004

JOB NO.	230656-004
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DATE	DECEMBER 2024
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PM	KPG
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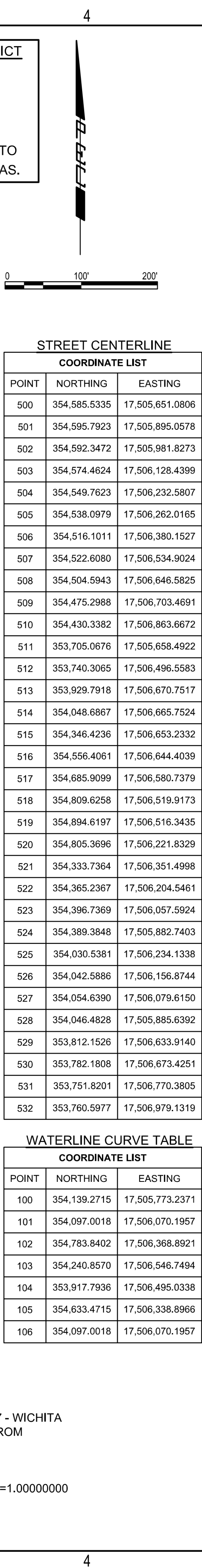
DESIGNED BY	HJW
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DRAWN BY	CSL
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CHECKED BY	TBK
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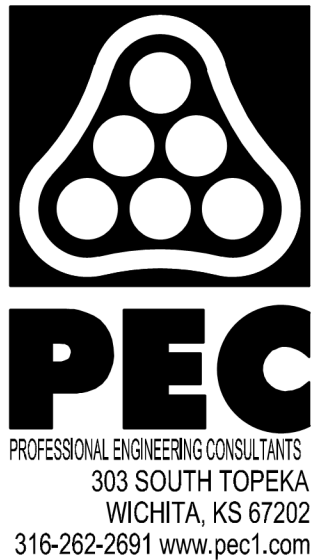
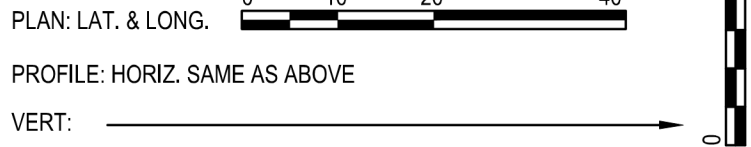
NL TITLE SHEET

C-001



FITTING TABLE			
ID	STATION	COORDINATES	DESCRIPTION
Fitting - (72)	WL LINE 4 42+52.3	N: 354,759.3083 E: 17,506,506.7566	8" 11.25" BEND
Fitting - (73)	WL LINE 4 42+92.0	N: 354,797.8459 E: 17,506,497.3923	8" 11.25" BEND
Fitting - (145)	WL LINE 4 43+66.3	N: 354,872.1485 E: 17,506,494.2627	8" ANCHORED VALVE ASSEMBLY
Fitting - (62)	WL LINE 4 43+86.3	N: 354,892.1336 E: 17,506,493.4277	BLOWOFF ASSEMBLY
Fitting - (157)	WL LINE 5 53+28.1	N: 354,310.7749 E: 17,506,352.4057	PC CURVE
Fitting - (47)	WL LINE 5 54+48.3	N: 354,327.9489 E: 17,506,234.0875	FIRE HYDRANT ASSEMBLY
Fitting - (46)	WL LINE 5 54+49.3	N: 354,328.2758 E: 17,506,233.1404	8"X 6" REDUCER
Fitting - (160)	WL LINE 5 54+91.7	N: 354,344.6095 E: 17,506,194.0596	PC CURVE
Fitting - (161)	WL LINE 5 56+31.9	N: 354,373.8655 E: 17,506,058.4599	PT CURVE
Fitting - (33)	WL LINE 5 57+70.2	N: 354,367.9419 E: 17,505,920.2575	6" 45° BEND
Fitting - (32)	WL LINE 5 57+96.5	N: 354,348.6377 E: 17,505,902.5112	6" 45° BEND
Fitting - (31)	WL LINE 5 58+32.5	N: 354,347.1253 E: 17,505,866.5430	6" 45° BEND
Fitting - (30)	WL LINE 5 58+66.5	N: 354,370.1357 E: 17,505,841.5126	6" 45° BEND
Fitting - (29)	WL LINE 5 59+01.5	N: 354,405.1048 E: 17,505,840.0422	6" 45° BEND
Fitting - (28)	WL LINE 5 59+35.5	N: 354,430.1353 E: 17,505,863.0526	6" 45° BEND
Fitting - (27)	WL LINE 5 59+71.5	N: 354,431.6476 E: 17,505,899.0208	6" 45° BEND
Fitting - (26)	WL LINE 5 59+97.7	N: 354,413.9013 E: 17,505,918.3250	6" 45° BEND
Fitting - (25)	WL LINE 5 60+14.5	N: 354,414.6090 E: 17,505,935.1546	BLOWOFF ASSEMBLY
Fitting - (52)	WL LINE 6 64+82.7	N: 354,006.5197 E: 17,506,210.3977	8" 11.25° BEND
Fitting - (51)	WL LINE 6 65+21.2	N: 354,012.4395 E: 17,506,172.3437	8" 11.25° BEND
Fitting - (44)	WL LINE 6 65+30.6	N: 354,015.6519 E: 17,506,163.5617	FIRE HYDRANT ASSEMBLY
Fitting - (45)	WL LINE 6 65+31.5	N: 354,015.9792 E: 17,506,162.6671	8"X 6" REDUCER
Fitting - (50)	WL LINE 6 65+56.1	N: 354,024.4300 E: 17,506,139.5644	8" 11.25° BEND
Fitting - (49)	WL LINE 6 66+05.9	N: 354,032.0735 E: 17,506,090.4303	8" 11.25° BEND
Fitting - (42)	WL LINE 6 67+76.7	N: 354,024.8965 E: 17,505,919.7442	6" 45° BEND
Fitting - (41)	WL LINE 6 68+00.4	N: 354,007.4830 E: 17,505,903.7345	6" 45° BEND
Fitting - (40)	WL LINE 6 68+33.3	N: 354,006.1020 E: 17,505,870.8527	6" 45° BEND
Fitting - (39)	WL LINE 6 68+66.2	N: 354,028.3764 E: 17,505,846.6252	6" 45° BEND
Fitting - (147)	WL LINE 6 69+04.7	N: 354,066.9100 E: 17,505,845.0068	6" 45° BEND
Fitting - (146)	WL LINE 6 69+29.7	N: 354,085.2483 E: 17,505,861.8667	6" 45° BEND
Fitting - (148)	WL LINE 6 69+68.2	N: 354,086.8667 E: 17,505,900.4004	6" 45° BEND
Fitting - (34)	WL LINE 6 69+91.9	N: 354,070.8560 E: 17,505,917.8149	6" 45° BEND
Fitting - (43)	WL LINE 6 70+28.4	N: 354,072.3885 E: 17,505,954.2626	BLOWOFF ASSEMBLY
Fitting - (57)	WL LINE 7 70+39.5	N: 353,752.4431 E: 17,506,669.1137	8" 22.5° BEND
Fitting - (58)	WL LINE 7 71+20.2	N: 353,724.7253 E: 17,506,744.8880	8" 22.5° BEND
Fitting - (142)	WL LINE 7 72+05.0	N: 353,728.2889 E: 17,506,829.5914	8" ANCHORED VALVE ASSEMBLY
Fitting - (59)	WL LINE 7 72+25.0	N: 353,729.1272 E: 17,506,849.5765	BLOWOFF ASSEMBLY

 PEC PROFESSIONAL ENGINEERING CONSULTANTS 303 SOUTH TOPEKA WICHITA, KS 67202 316-262-2691 www.pec1.com	
 CITY OF WICHITA	
	
WATERLINE IMPROVEMENTS TO SERVE BRIDGER PAWNEE ADDITION CITY OF WICHITA, KANSAS PAUL GUNZELMAN, P.E.-CITY ENGINEER CITY OF WICHITA PROJECT NO. 448-2024-016899	
Issue:	
	06/23/2026 - cjr
RED LINE - FIELD SET U:\Wichita-Civil\2023\230656\0124CA9_Inspection	
JOB NO.	230656-004
DATE	DECEMBER 2024
PM	KPG
DESIGNED BY	HJW
DRAWN BY	CSL
CHECKED BY	TBK
KEY MAP AND BUBBLE MAP	
C-003	



WATERLINE IMPROVEMENTS
TO SERVE

BRIDGER PAWNEE ADDITION

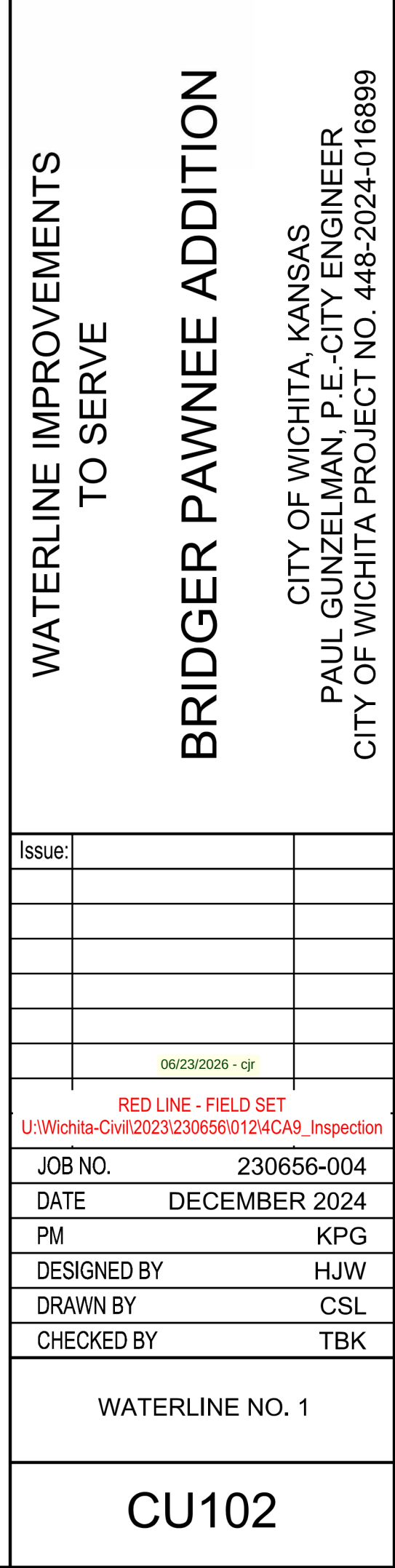
CITY OF WICHITA, KANSAS
PAUL GUNZELMAN, P.E.-CITY ENGINEER
CITY OF WICHITA PROJECT NO. 448-2024-016899

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WATERLINE NO. 1

CU101

SAVED 12/9/2024 2:38:42 PM BY CATHY.LINK
PLOTTED 12/26/2024 10:32:51 AM BY BRADLEY HAYNES
U:\WICHITA-CIVIL\2023\230656\002\2PD4_PLANS\030\WATER\230656-002-CU101.DWG



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U:\U-WICHITA-CIVIL\2023\230656\002\2PD4_PLANS\030\WATER\230656-002-CU102.DWG

8" V (S) 56402
8" V (E) 56403

8"x8" Tee, D1CL MJ, Thrustblock,
(CIP) and 2 (S&E)- 8" Gate Valve
(FLOWMASTER):

WATERLINE NO. 4
REF. CU110

3A (S). 24' North of Graber ST. CL
65' East of Cedar Crest ST. CL;

3B (E). 26' North of Graber ST. CL
67' East of Cedar ST. CL

N: 354,503.0582, E: 17,506,706.4352
STA. 20+20.93, WL LINE 1=
CL GRABER, STA. 50+59.94, 25' L
INSTALL 8"x 8" TEE
2- 8" VALVE ASSEMBLIES (E&S)
(MJ GATE VALVES)
TOP OF VALVE BOX EL.= 1339.9 (E)
TOP OF VALVE BOX EL.= 1339.8 (S)
PT CURVE

N: 354,462.7421, E: 17,506,790.0109
STA. 21+14.17, WL LINE 1=
CL GRABER, STA. 51+60.32, 25' L
INSTALL 8" 11.25° BEND
DEFF = 11°14'00"

CAUTION !!!
30" RCP
STORM WATER SEWER

N: 354,455.2808, E: 17,506,837.9735
STA. 21+62.71, WL LINE 1=
CL GRABER, STA. 52+13.86, 25' L
INSTALL 8" 11.25° BEND
DEFL. = 11°14'50"

CAUTION !!!
8" SANITARY SEWER

1- 8" Anchor Gate Valve (FLOWMASTER),
Thrustblock (CIP):
25' North of Graber ST. Centerline and
260' East of Cedar Crest ST. Centerline

8" V 56404

6803, E: 17,506,871.2852
6.05, WL LINE 1=
R, STA. 52+49.75, 26' L
' ANCHORED VALVE

N: 354,457.5219, E: 17,506,891.2728
STA. 22+16.05, WL LINE 1=
CL GRABER, STA. 52+69.76, 26' L
INSTALL BLOWOFF ASSEMBLY

1- 2" Blowoff Valve (CLOW),
Thrustblock (CIP):
26' North of Graber ST. Centerline and
262' East of Cedar Crest ST. Centerline

2" BO V 56405

N: 354,542.1225, E: 17,506,605.8097
STA. 19+12.42, WL LINE 1=
CL GRABER, STA. 49+60.27, 25' L
INSTALL 8"x 8" TEE
2- 8" VALVE ASSEMBLIES (N&E)
(MJ GATE VALVES)
TOP OF VALVE BOX EL.= 1340.6 (N)
TOP OF VALVE BOX EL.= 1340.4 (E)

N: 354547.5859, E: 17506533.8521
WL LINE 1, STA. 18+40.09=
CL GRABER, STA. 48+93.83, 25' L
PC CURVE
MATCH POINT

NOMINAL
RADIUS= 314.33'

CAUTION !!!
30" RCP
STORM WATER SEWER

N: 354,478.6584, E: 17,506,746.4991
STA. 20+67.84, WL LINE 1=
CL GRABER, STA. 51+09.27, 24' L
INSTALL 8" 11.25° BEND
DEFL. = 11°14'30"

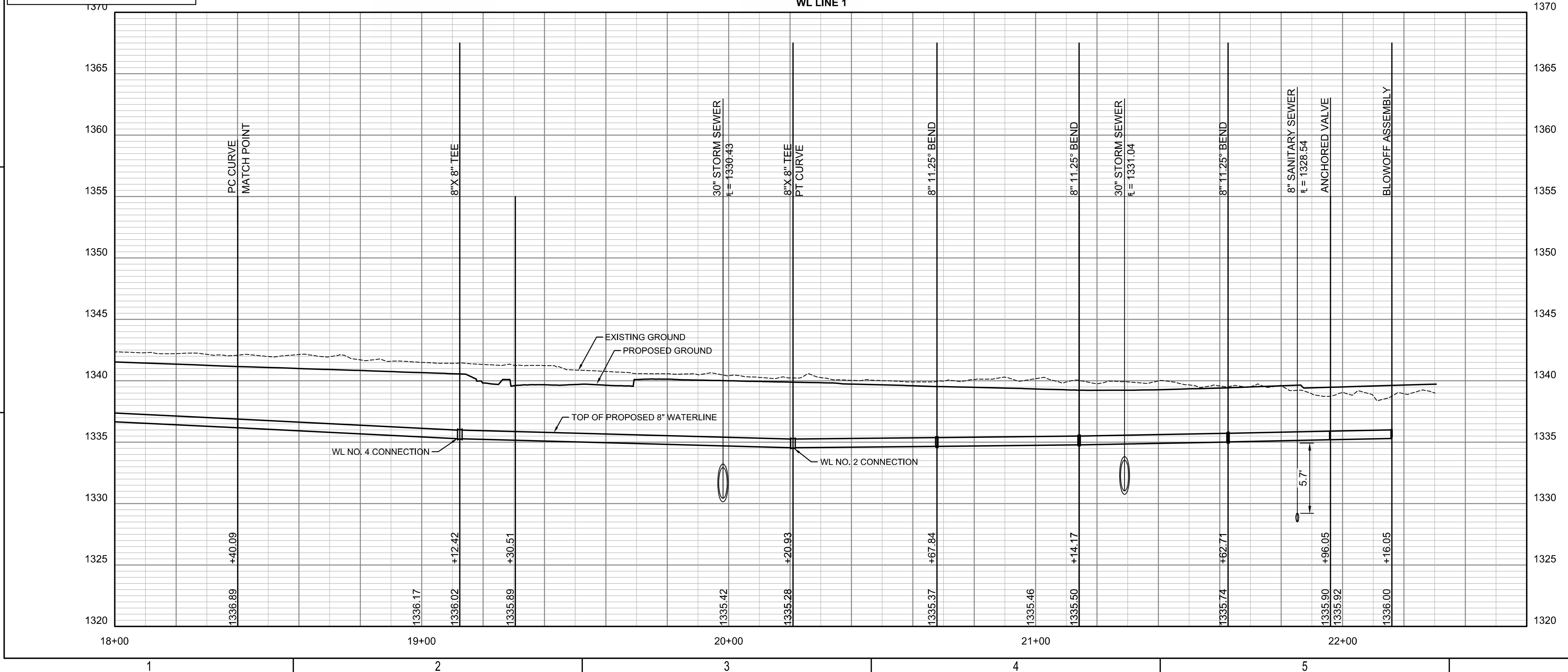
1- DCL MJ 8" 11.25° Bend,
Thrustblock (CIP):
25' North of Graber ST. Centerline
107' East of Cedar Crest ST. Centerline

1- DICI MJ 8" 11.25° Bend, Thrustblock (CIP): 25' North of Graber ST. Centerline and 203' East of Cedar Crest ST. Centerline	
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BRIDGER ST

UNLESS NOTED OTHERWISE, ELEVATIONS SHOWN ARE TOP OF PIPE.



WATERLINE IMPROVEMENTS TO SERVE

BRIDGER PAWNEE ADDITION

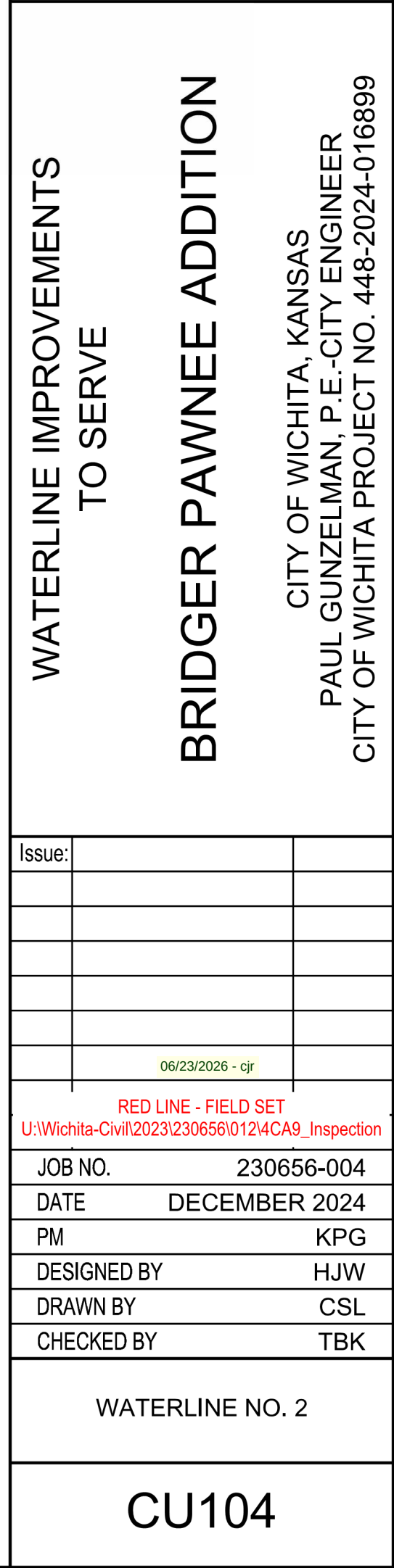
CITY OF WICHITA, KANSAS
PAUL GUNZELMAN, P.E.-CITY ENGINEER
CITY OF WICHITA PROJECT NO. 448-2024-016899

Issue:		
	06/23/2026 - cjr	
RED LINE - FIELD SET U:\Wichita-Civil\2023\230656\0124CA9_Inspection		
JOB NO.	230656-004	
DATE	DECEMBER 2024	
PM	KPG	
DESIGNED BY	HJW	
DRAWN BY	CSL	
CHECKED BY	TBK	

WATERLINE NO. 1

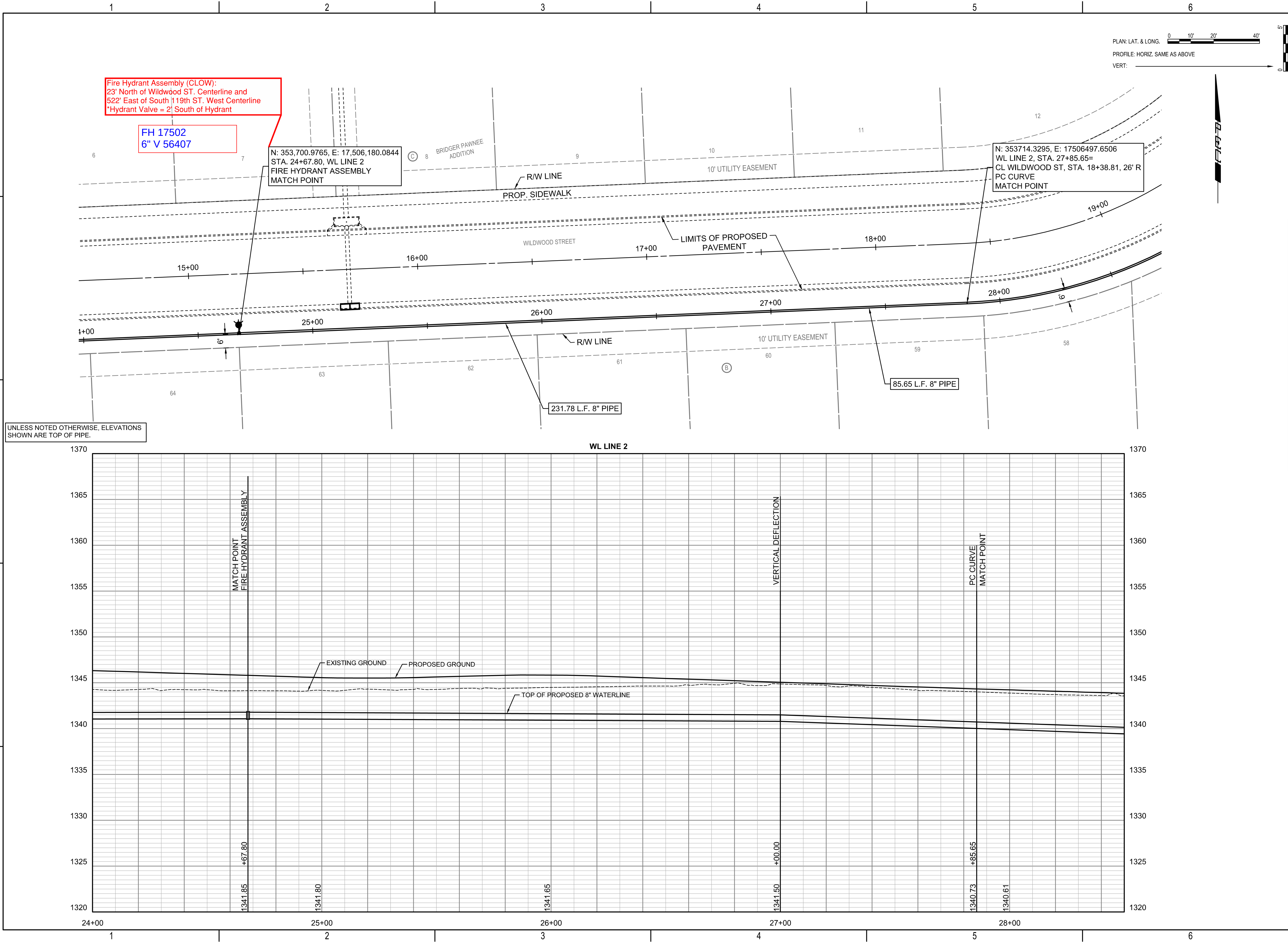
CU103

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WATERLINE IMPROVEMENTS
TO SERVE

BRIDGER PAWNEE ADDITION

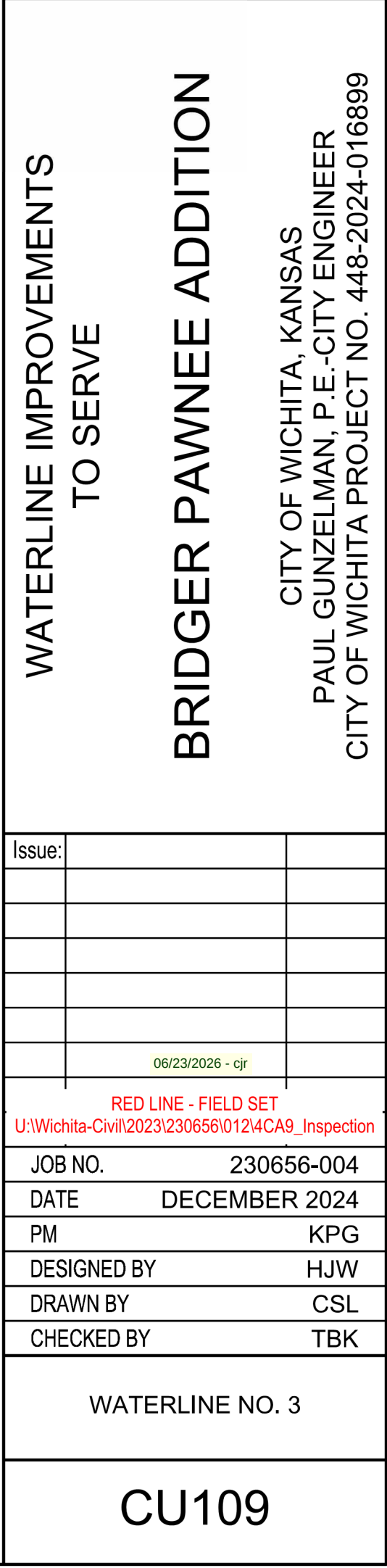
CITY OF WICHITA, KANSAS
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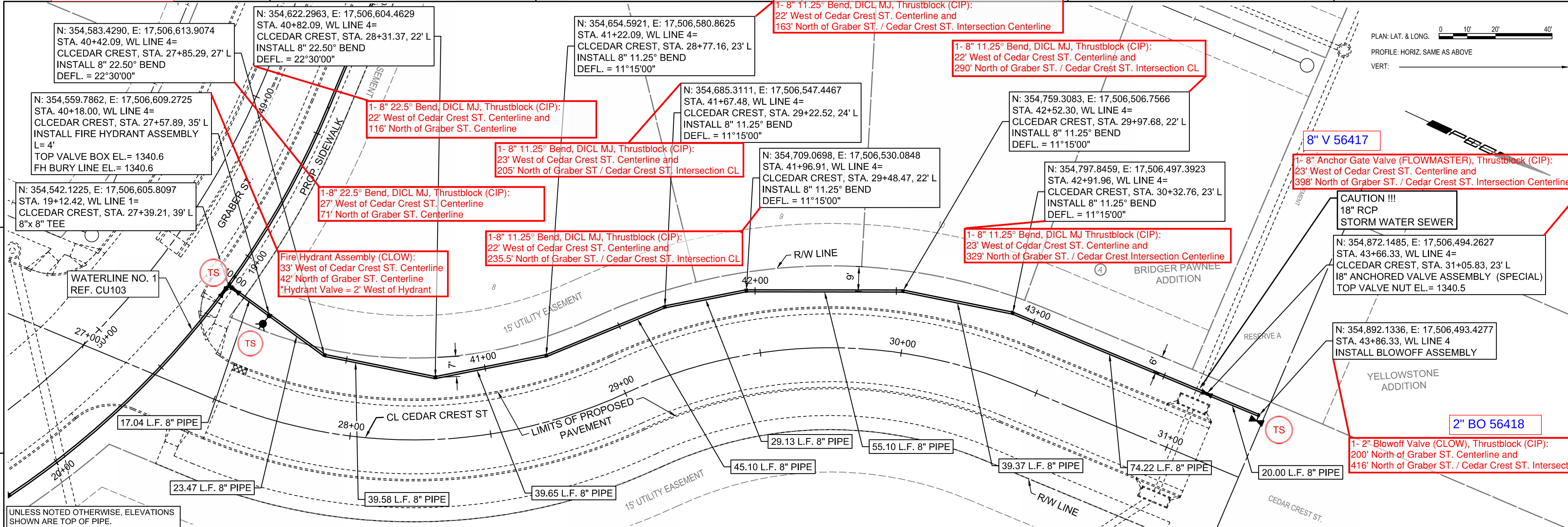
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CU105

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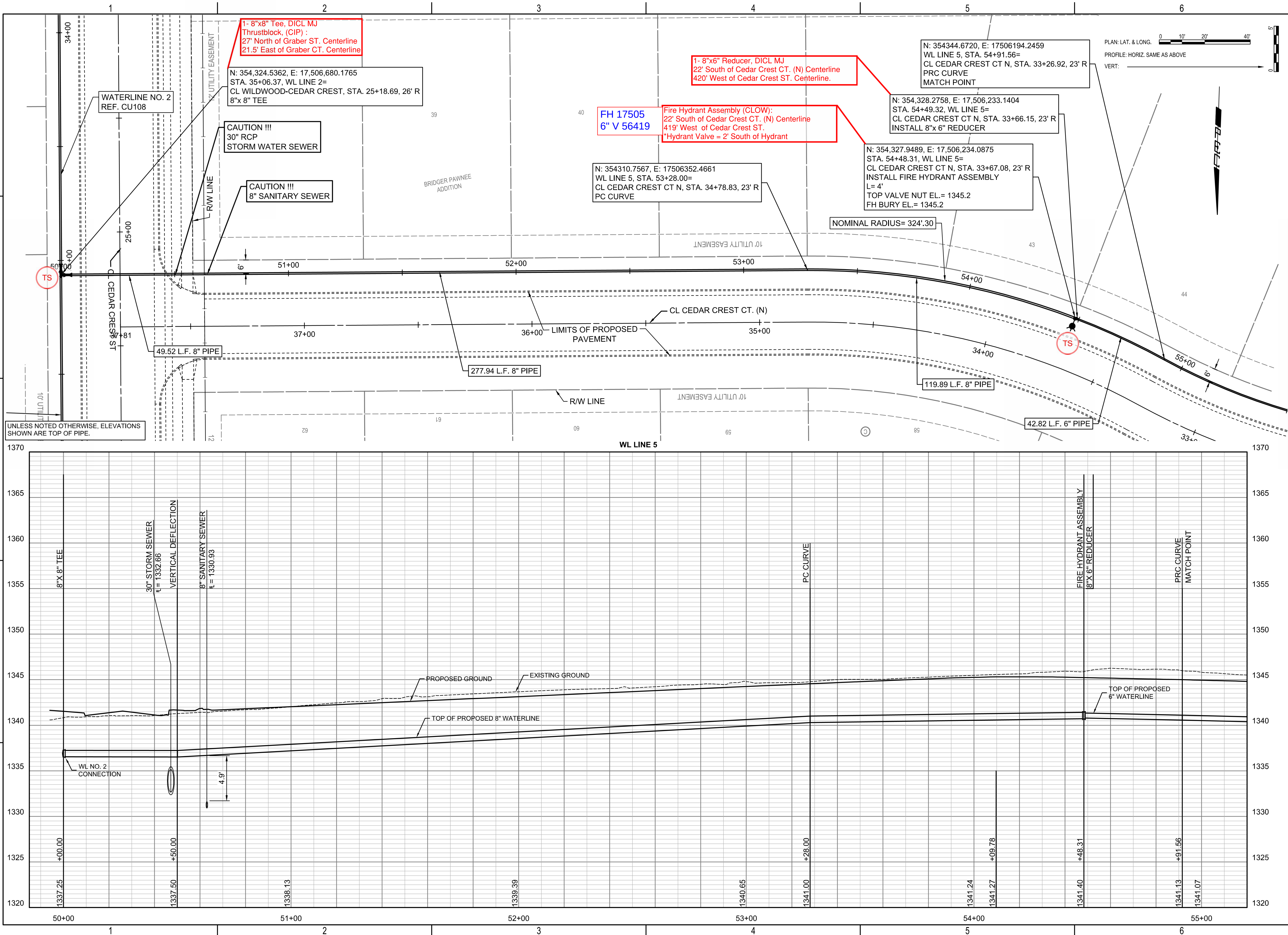


WATERLINE IMPROVEMENTS TO SERVE

SUSSE:		
	06/23/2025 - cjr	
RED LINE - FIELD SET		
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JOB NO.	230656-004	
DATE	DECEMBER 2024	
PM	KPG	
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CU110

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WATERLINE IMPROVEMENTS
TO SERVE
BRIDGER PAWNEE ADDITION
CITY OF WICHITA, KANSAS
PAUL GUNZELMAN, P.E.-CITY ENGINEER
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JOB NO.	230656-004
DATE	DECEMBER 2024
PM	KPG
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CHECKED BY	TBK

WATERLINE NO. 5

CU111



TO SERVE

BRIDGER PAWNEE ADDITION

CITY OF WICHITA, KANSAS
PAUL GUNZELMAN. P.E.-CITY ENGINEER

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SSUE:		
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U:\Wichita-Civil\2023\230656\0124CA9_Inspection		
JOB NO.	230656-004	
DATE	DECEMBER 2024	
PM	KPG	
DESIGNED BY	HJW	
DRAWN BY	CSL	
CHECKED BY	TBK	

WATERLINE NO. 6

CU115



WATERLINE IMPROVEMENTS
TO SERVE

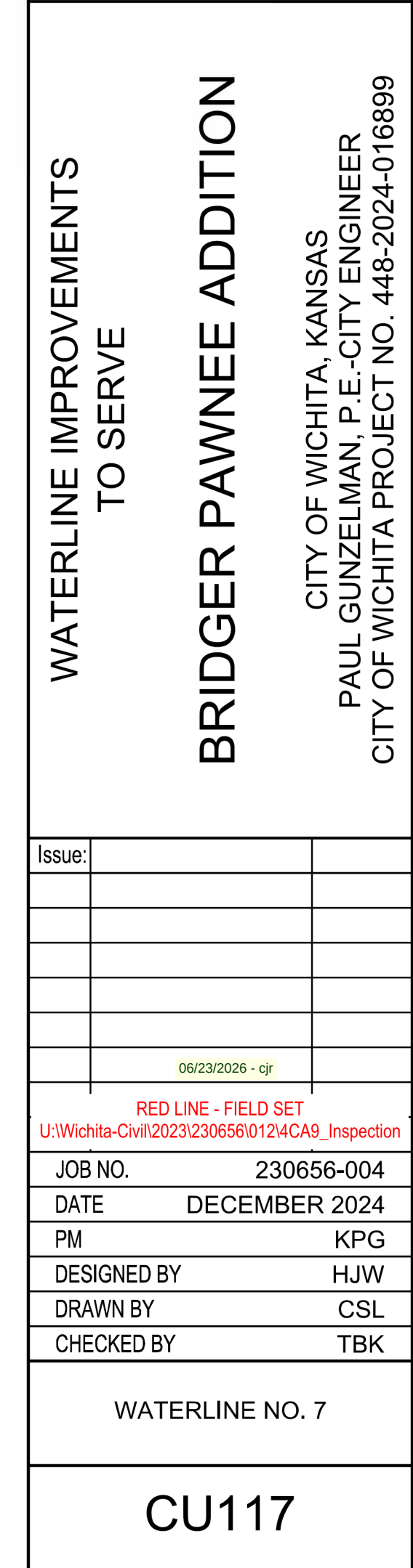
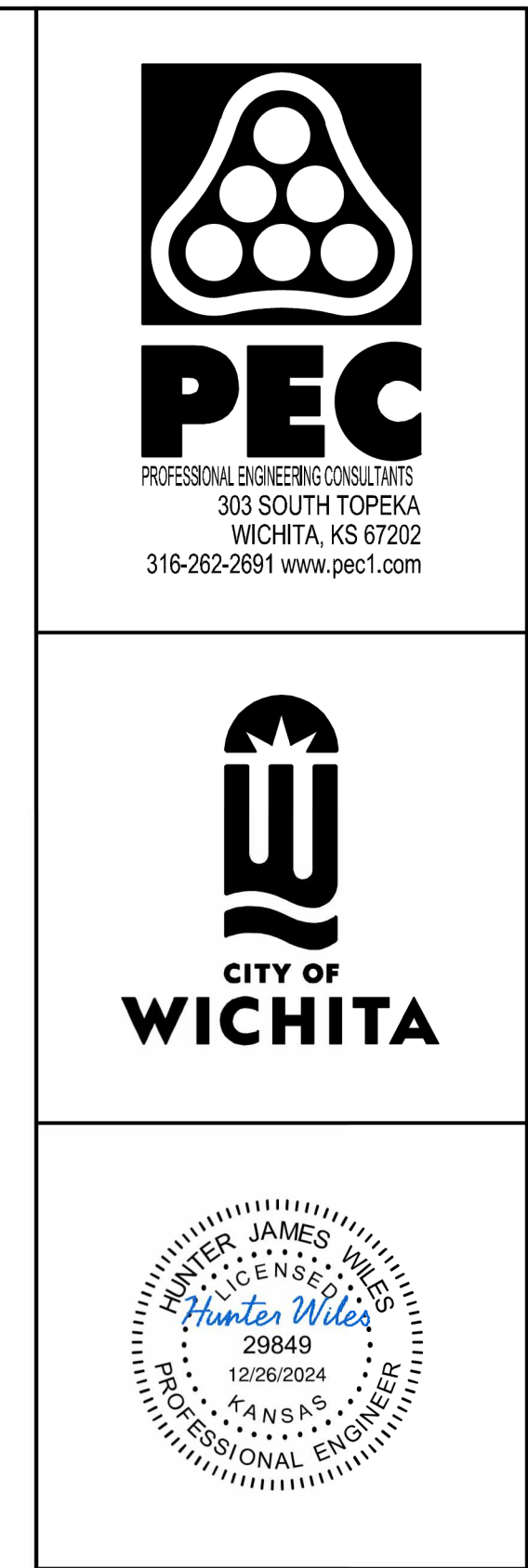
BRIDGER PAWNEE ADDITION

CITY OF WICHITA, KANSAS
PAUL GUNZELMAN, P.E.-CITY ENGINEER
CITY OF WICHITA PROJECT NO. 448-2024-016899

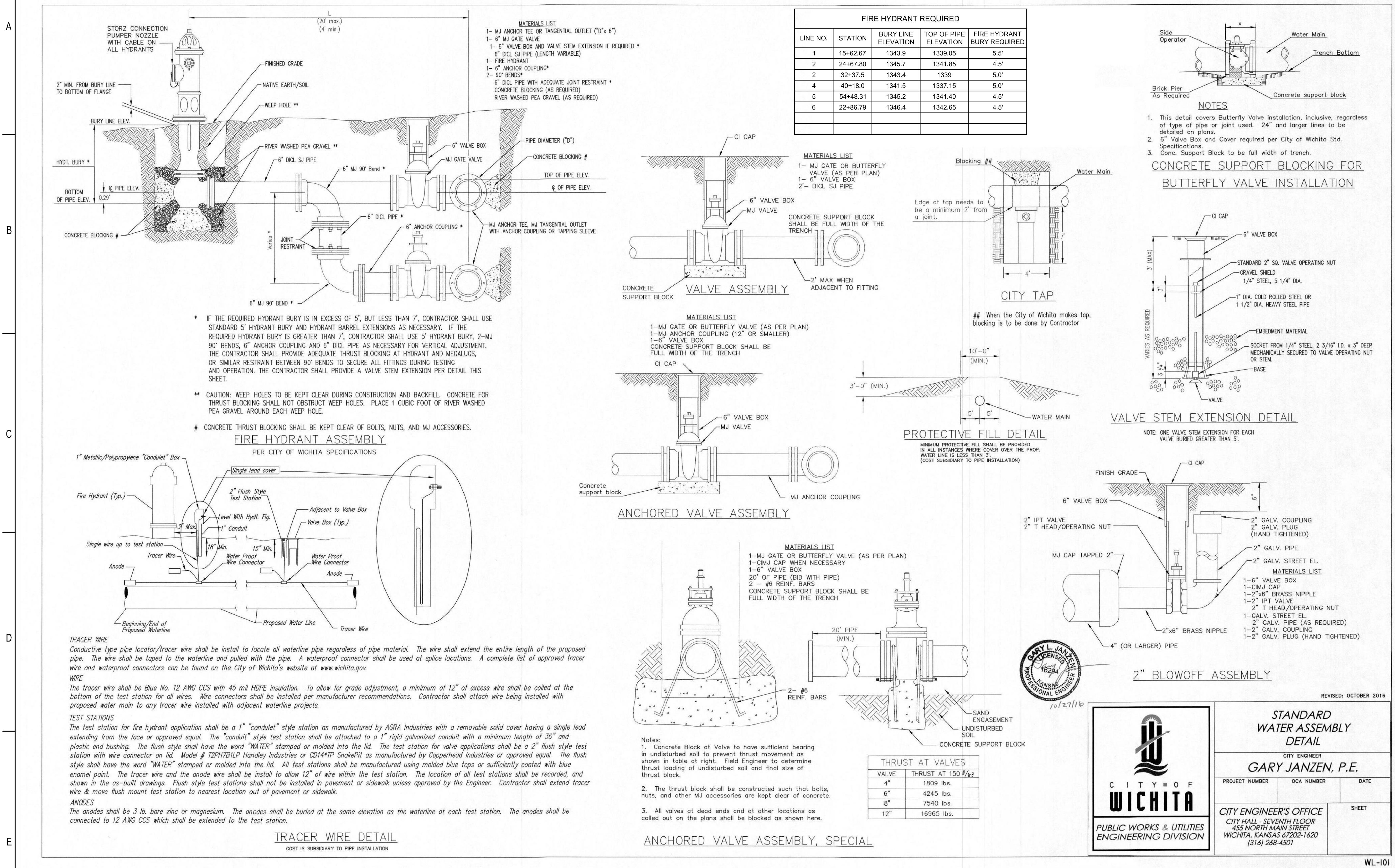
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DATE	DECEMBER 2024	
PM	KPG	
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DRAWN BY	CSL	
CHECKED BY	TBK	

WATERLINE NO. 6

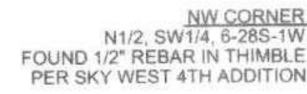
CU116



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PLOTTED 12/26/2024 10:50:04 AM BY BRADLEY HAYNES
J:\WICHITA-CIVIL\2023\230656\002\2PD4_PLANS\030\WATER\230656-002-CU117.DWG



IN THE N1/2, SW1/4, SECTION 6, TOWNSHIP 28 SOUTH, RANGE 1 WEST OF THE SIXTH PRINCIPAL MERIDIAN



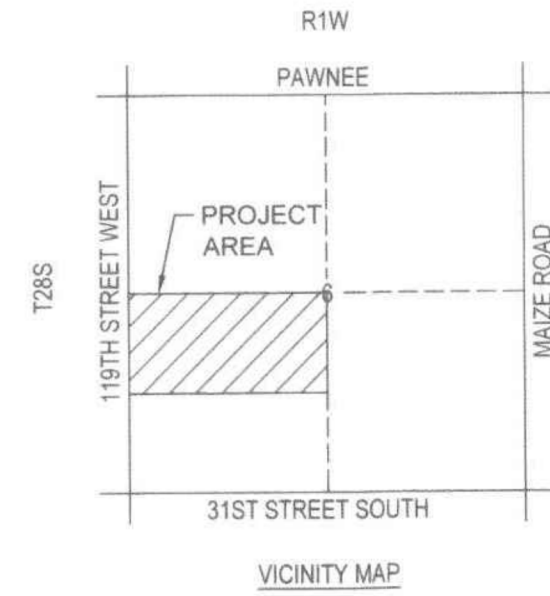
LEGEND

- △ FOUND SECTION CORNER AS NOTED
- SET 1/2" REBAR WITH PEC CAP
- (M) MEASURED
- (P) PLATTED
- (C.A.C.) COMPLETE ACCESS CONTROL
- (B.S.L.) BUILDING SETBACK LINE

BENCH MARK LIST

- BM #201
DISC ON TOP OF WEST END OF NORTH HEADWALL OF RCBC. 120' EAST
OF 119TH STREET WEST, ON 31ST STREET, FROM SKYWAY WEST 4TH ADDITION
(OFF SITE)
ELEVATION = 1344.96 (NAVD 88)
- BM #202
TOP OF 1" POST AT GROUND SURFACE. 70 FT. NORTH OF SW CORNER OF N 1/2,
SW 1/4, SEC. 8 AND 34 FT. EAST OF CENTERLINE OF 119TH ST.
ELEVATION = 1346.97 (NAVD 88)
- BM #203
CHISELED "4" ON SOUTH END 12" RCP, WEST SIDE 119TH ST, W/18" CONCRETE
PILLARS N. AND S. OF DRIVE
ELEVATION = 1334.41 (NAVD 88)

<u>MINIMUM PAD TABLE</u>	
<u>LOT/BLOCK</u>	<u>MINIMUM OPENING (LOWEST OPENING)</u>
LOTS 1-3, BLOCK A	1339.4
LOTS 1-19, BLOCK B	1339.2



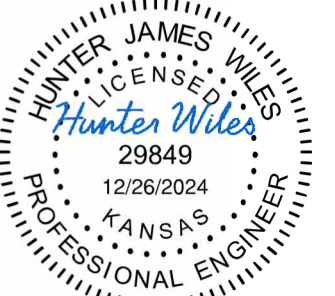
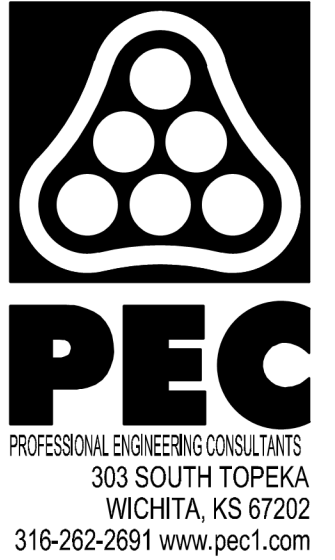
PG. 2 OF 2



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

PC 322-1B

FOR INFORMATION ONLY



WATERLINE IMPROVEMENTS TO SERVE

BRIDGER PAWNEE ADDITION

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COPY OF PLAT

CU701