

CONSTRUCTION PLANS FOR SANITARY SEWER IMPROVEMENTS

TO SERVE

CYPRESS GLEN 2ND ADDITION

CITY OF WICHITA, KS

PAUL GUNZELMAN, P.E. - CITY ENGINEER

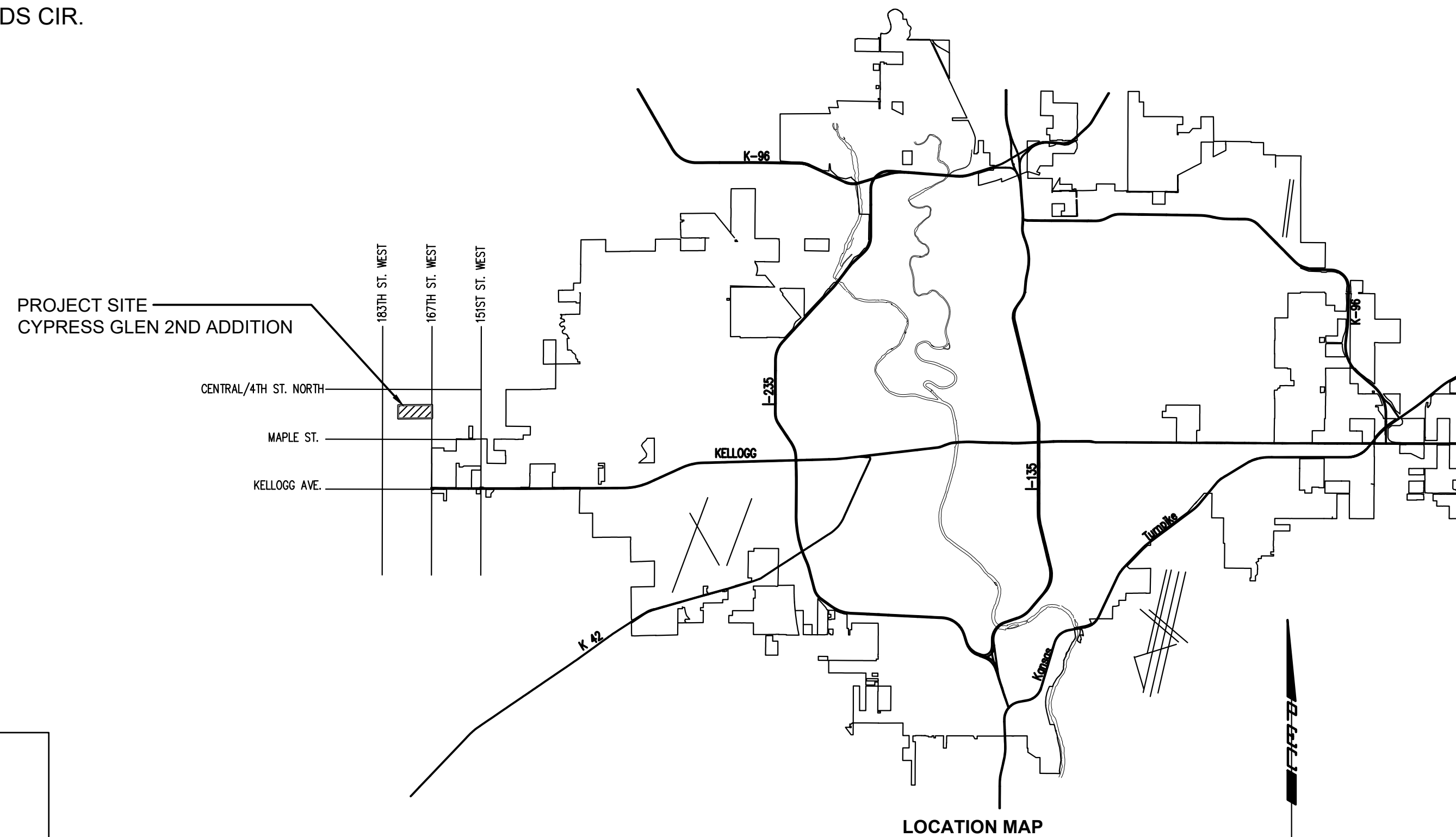
CITY OF WICHITA ENGINEERING PROJECT NO. 468-2024-001201

ORG CODE: 47271724

MUNIS NO.: E4070

Mies Construction - Contractor
S. Lowe - City of Wichita, Field Project Engineer
R. Carillo - City of Wichita, Inspector
As-Built
Risers
Release Date (for connection purposes only): 1/24/2025
Completion Date:
pdf: apr 6/11/2025

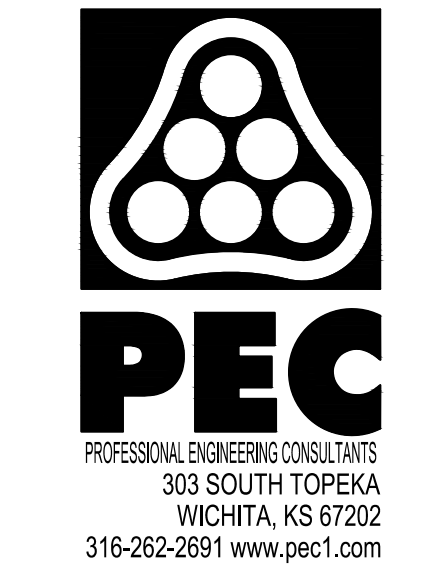
DEVELOPER CONTACT
MIKE MEYSING
MEYSING PROPERTIES, LLC
11535 W. HEAVEN WOODS CIR.
WICHITA, KS 67215
502-693-0921



JULY 2024

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SANITARY SEWER IMPROVEMENTS
 TO SERVE
CYPRESS GLEN 2ND ADDITION
 PAUL GUNZELMAN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 468-2024-001201

JOB NO.	210975-011
DATE	JULY 2024
PM	KPG
DESIGNED BY	KPG
DRAWN BY	KTD
CHECKED BY	GAS

SANITARY SEWER
TITLE SHEET

C001
1 OF 37

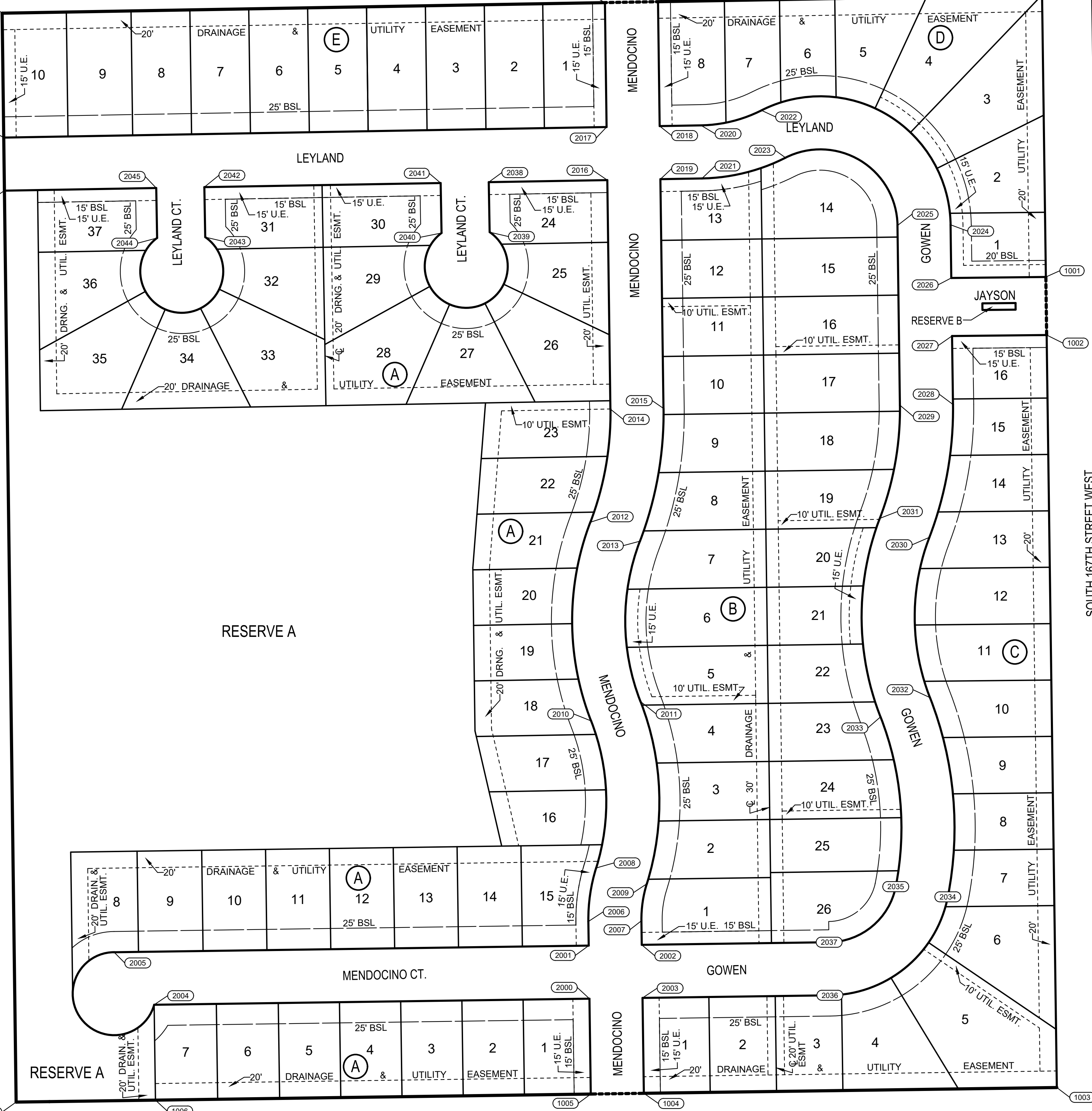
APPROVED AS NOTED
BY WICHITA PUBLIC WORKS
ENGINEERING DIVISION

Engineering _____
An approved copy of these plans signed by City staff are required on-site.

SAVED 7/3/2024 3:06:51 PM BY KEVIN GRAHAM
 PLOTTED 7/5/2024 12:36:45 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2024\210975\10\PEC\DRAWINGS\SANITARY PHASE 2\210975-011-C-001.DWG

CYPRESS GLEN 2ND ADDITION

NW CORNER E1/2SE1/4 SEC. 21
T27S, R2W 6TH P.M.
FOUND 1/2" REBAR, NO CAP. PER
PLAT OF LA DEL MANOR ADDITION



SW CORNER NE1/4SE1/4 SEC. 21
T27S, R2W 6TH P.M.
FOUND 1/2" REBAR WITH I.D. CAP
STAMPED "PEC CLS65" WHICH WAS
SET FOR CYPRESS GLEN ADDITION

Cypress Glen Addition

COORDINATE LIST

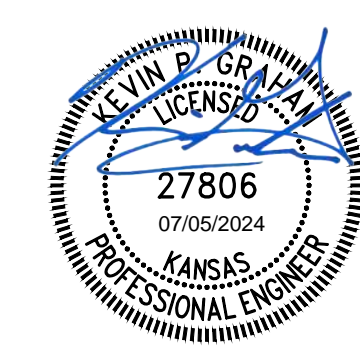
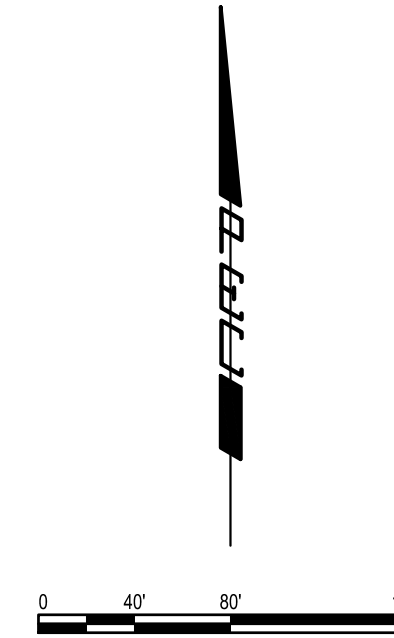
POINT	NORTHING	EASTING
1000	1,685,066.9872	1,591,722.7591
1001	1,684,726.9691	1,591,727.3532
1002	1,684,656.9751	1,591,728.2989
1003	1,683,749.6703	1,591,740.5576
1004	1,683,742.7060	1,591,242.6549
1005	1,683,741.8109	1,591,178.6612
1006	1,683,734.4699	1,590,653.8217
1007	1,683,732.1194	1,590,485.7777
1008	1,684,831.0599	1,590,471.6937
1009	1,684,895.0555	1,590,470.8857
1010	1,685,045.0449	1,590,468.9650
1011	1,685,057.7635	1,591,195.7144
1012	1,685,058.8834	1,591,259.7051

COORDINATE LIST

POINT	NORTHING	EASTING
2000	1,683,856.7997	1,591,177.0528
2001	1,683,920.7934	1,591,176.1577
2002	1,683,921.6885	1,591,240.1514
2003	1,683,857.6948	1,591,241.0465
2004	1,683,849.4586	1,590,652.2133
2005	1,683,912.7908	1,590,604.0235
2006	1,683,949.8277	1,591,175.7516
2007	1,683,950.7229	1,591,239.7453
2008	1,684,014.4166	1,591,185.1386
2009	1,683,995.3423	1,591,246.2300
2010	1,684,191.8107	1,591,178.9452
2011	1,684,215.0992	1,591,238.5577
2012	1,684,431.2157	1,591,178.0899
2013	1,684,408.3538	1,591,237.8673
2014	1,684,567.6434	1,591,202.3365
2015	1,684,568.5080	1,591,266.3307
2016	1,684,843.7813	1,591,198.6056
2017	1,684,907.7760	1,591,197.7409
2018	1,684,908.8959	1,591,261.7316
2019	1,684,844.9012	1,591,262.5963
2020	1,684,909.7686	1,591,311.5964
2021	1,684,845.7784	1,591,312.7166
2022	1,684,927.8534	1,591,384.5326

COORDINATE LIST

POINT	NORTHING	EASTING
2023	1,684,870.7526	1,591,413.4377
2024	1,684,789.8985	1,591,612.4261
2025	1,684,789.0345	1,591,548.4319
2026	1,684,725.7934	1,591,613.2922
2027	1,684,655.7982	1,591,614.1258
2028	1,684,573.2237	1,591,615.3536
2029	1,684,572.3591	1,591,551.3594
2030	1,684,413.0695	1,591,586.8902
2031	1,684,435.9314	1,591,527.1129
2032	1,684,219.8149	1,591,587.5806
2033	1,684,196.5264	1,591,527.9682
2034	1,683,979.5862	1,591,609.1418
2035	1,683,991.8872	1,591,546.3351
2036	1,683,860.8544	1,591,466.9385
2037	1,683,924.8481	1,591,466.0434
2038	1,684,841.2797	1,591,055.6618
2039	1,684,780.9759	1,591,056.7171
2040	1,684,779.9610	1,590,998.7260
2041	1,684,840.2648	1,590,997.6707
2042	1,684,835.2779	1,590,712.7143
2043	1,684,774.9771	1,590,713.7696
2044	1,684,773.9623	1,590,655.7785
2045	1,684,834.2630	1,590,654.7232



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PLAT BUBBLE MAP

SAVED 6/28/2024 8:49:52 AM BY KEVIN GRAHAM
 PLOTTED 7/5/2024 12:36:55 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2024\1210975010\PEC\DRAWINGS\SANITARY PHASE 2\10975-011-C-003.DWG

NW CORNER E1/2SE1/4 SEC. 21
T27S, R2W 6TH P.M.
FOUND 1/2" REBAR, NO CAP, PER
PLAT OF LA DEL MANOR ADDITION

SANITARY SEWER LINE NO. 4
SEE SHEETS CU-110 TO CU-112

MH-25

MH-28

MH-27

SANITARY SEWER LINE NO. 5
SEE SHEET CU-107

SANITARY SEWER LINE NO. 4
SEE SHEETS CU-110 TO CU-112

SANITARY SEWER LINE NO. 2
SEE SHEET CU-107

SANITARY SEWER LINE NO. 3
SEE SHEET CU-108

SANITARY SEWER LINE NO. 1
SEE SHEETS CU-101 TO CU-106

SW CORNER NE1/4SE1/4 SEC. 21
T27S, R2W 6TH P.M.
FOUND 1/2" REBAR WITH I.D. CAP
STAMPED "PEC CLS65" WHICH WAS
SET FOR CYPRESS GLEN ADDITION

ZONED: "RR"
RURAL
RESIDENTIAL
CORNELIA,
MARTIN

UNPLATTED
ZONED: "R-1"
SINGLE FAMILY
RESIDENTIAL
BAALMANN ORTH,
LLC

ZONING: "MF-18"
MULTI-FAMILY
MEYSING
PROPERTIES, LLC

ZONED: "B"
MULTI-FAMILY 8
MEYSING
PROPERTIES, LLC

ZONED: "TF-3"
TWO FAMILY
RESIDENTIAL

LEGEND

- EXISTING SANITARY SEWER WITH MANHOLE
- PROPOSED SANITARY SEWER WITH MANHOLE

SANITARY SEWER BENEFIT DISTRICT
LOTS 1 THRU 37, BLOCK A
LOTS 1 THRU 26, BLOCK B
LOTS 1 THRU 16, BLOCK C
LOTS 1 THRU 8, BLOCK D
LOTS 1 THRU 9, BLOCK E
ALL IN THE CYPRESS GLEN 2ND ADDITION
TO WICHITA, SEDGWICK COUNTY, KANSAS.

SEE SHEET NO. C-003
FOR PLAT COORDINATES.

0 80' 160'

BENCH MARKS

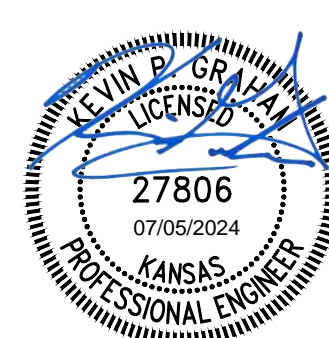
- BM-200
ELEV: 1,429.28 (NAVD 88)
CHISLED SQUARE CUT IN NE CORNER OF CONCRETE LIFT STATION PAD
APPROXIMATELY 839 FEET W OF THE CENTERLINE OF 167TH ST AND 882 FEET NORTH
OF MAPLE STREET
- BM-201
ELEV: 1,431.85 (NAVD 88)
SET "T" SHAPED FENCE POST FLUSH WITH GROUND 1.5 FEET WEST OF WOODEN
POWER POLE APPROX 1202 FEET NORTH OF THE INTERSECTION OF 167TH STREET
AND MAPLE STREET ON THE EAST SIDE OF ROAD
- BM-202
ELEV: 1,424.24 (NAVD 88)
SET "T" SHAPED FENCE POST FLUSH WITH GROUND 1.5 FEET WEST OF A WOODEN
CORNER FENCE POST APPROXIMATELY 33 FEET NORTH OF A HEDGE ROW TO WEST
AND 2867 FEET NORTH OF THE INTERSECTION OF MAPLE STREET AND 167TH STREET
ON WEST SIDE OF 167TH STREET

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
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



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SANITARY SEWER
BUBBLE MAP

C004
4 OF 37

SAVED 6/24/2024 8:22:10 AM BY KEVIN GRAHAM
PLOTTED 7/5/2024 12:37:14 PM BY KEVIN GRAHAM
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1
2
3
4
5
6
A
B
C
D
E

SAVED 6/18/2024 1:32:54 PM BY KEVIN GRAHAM
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STRUCTURE TABLE SANITARY SEWER LINE NO. 1				
MH ID	POINT	STATION	COORDINATES	DESCRIPTION
MH-1	5500	10+00.0 SS LINE NO. 1	N: 1,683,739.5314 E: 1,591,730.6937	EX. 4' DIAMETER MANHOLE
MH-2	5501	13+50.0 SS LINE NO. 1	N: 1,684,089.4994 E: 1,591,725.9652	4' DIAMETER MANHOLE
MH-3	5502	16+95.0 SS LINE NO. 1	N: 1,684,434.4679 E: 1,591,721.3043	4' DIAMETER MANHOLE
MH-4	5503	19+78.4 SS LINE NO. 1	N: 1,684,717.8440 E: 1,591,717.4756	4' DIAMETER MANHOLE
MH-5	5504	23+21.4 SS LINE NO. 1	N: 1,685,060.8127 E: 1,591,712.8416	4' DIAMETER SHALLOW MANHOLE
MH-6	5505	25+51.3 SS LINE NO. 1	N: 1,685,056.7891 E: 1,591,482.9331	4' DIAMETER SHALLOW MANHOLE
MH-7	5506	27+54.5 SS LINE NO. 1	N: 1,685,053.2338 E: 1,591,279.7832	4' DIAMETER SHALLOW MANHOLE

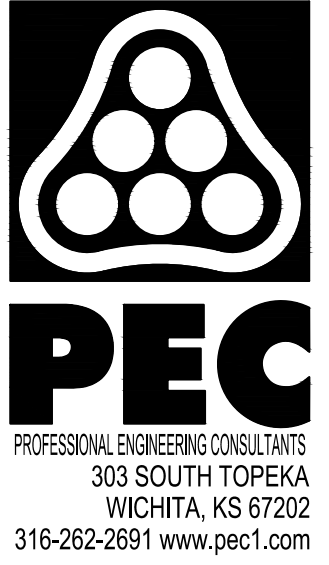
STRUCTURE TABLE SANITARY SEWER LINE NO. 2				
MH ID	POINT	STATION	COORDINATES	DESCRIPTION
MH-8	5507	20+00.0 SS LINE NO. 2	N: 1,683,732.5776 E: 1,591,233.5457	EX. 4' DIAMETER MANHOLE
MH-9	5508	21+96.5 SS LINE NO. 2	N: 1,683,929.0584 E: 1,591,230.7974	4' DIAMETER MANHOLE
MH-10	5509	23+54.1 SS LINE NO. 2	N: 1,683,931.2629 E: 1,591,388.4022	4' DIAMETER MANHOLE
MH-11	5510	26+49.1 SS LINE NO. 2	N: 1,684,226.2360 E: 1,591,384.4168	4' DIAMETER MANHOLE
MH-12	5512	29+74.1 SS LINE NO. 2	N: 1,684,551.2063 E: 1,591,380.0261	4' DIAMETER SHALLOW MANHOLE
MH-13	5512	32+73.4 SS LINE NO. 2	N: 1,684,850.5066 E: 1,591,375.9822	4' DIAMETER SHALLOW MANHOLE

STRUCTURE TABLE SANITARY SEWER LINE NO. 3				
MH ID	POINT	STATION	COORDINATES	DESCRIPTION
MH-14	5513	30+45.3 SS LINE NO. 3	N: 1,683,928.4256 E: 1,591,185.5519	4' DIAMETER MANHOLE
MH-15	5514	31+46.2 SS LINE NO. 3	N: 1,684,029.3649 E: 1,591,184.1400	4' DIAMETER MANHOLE
MH-16	5515	32+45.8 SS LINE NO. 3	N: 1,684,027.9716 E: 1,591,084.5316	4' DIAMETER MANHOLE
MH-17	5516	34+76.7 SS LINE NO. 3	N: 1,684,024.7426 E: 1,590,853.6723	4' DIAMETER MANHOLE
MH-18	5517	37+31.2 SS LINE NO. 3	N: 1,684,021.1831 E: 1,590,599.1972	4' DIAMETER SHALLOW MANHOLE

STRUCTURE TABLE SANITARY SEWER LINE NO. 4				
MH ID	POINT	STATION	COORDINATES	DESCRIPTION
MH-19	5518	41+57.0 SS LINE NO. 4	N: 1,684,180.8910 E: 1,591,049.0138	4' DIAMETER MANHOLE
MH-20	5519	43+52.0 SS LINE NO. 4	N: 1,684,375.9025 E: 1,591,046.4795	4' DIAMETER SHALLOW MANHOLE
MH-21	5520	45+65.1 SS LINE NO. 4	N: 1,684,588.3655 E: 1,591,062.7758	4' DIAMETER SHALLOW MANHOLE
MH-22	5521	46+94.4 SS LINE NO. 4	N: 1,684,590.6274 E: 1,591,192.0251	4' DIAMETER SHALLOW MANHOLE
MH-23	5522	50+24.4 SS LINE NO. 4	N: 1,684,920.5999 E: 1,591,187.5667	4' DIAMETER SHALLOW MANHOLE
MH-24	5525	53+68.9 SS LINE NO. 4	N: 1,684,914.5720 E: 1,590,843.1246	4' DIAMETER SHALLOW MANHOLE
MH-25	5526	56+53.9 SS LINE NO. 4	N: 1,684,909.5850 E: 1,590,558.1660	4' DIAMETER SHALLOW MANHOLE

STRUCTURE TABLE SANITARY SEWER LINE NO. 5				
MH ID	POINT	STATION	COORDINATES	DESCRIPTION
MH-26	5527	52+00.7 SS LINE NO. 5	N: 1,684,584.8538 E: 1,590,862.1191	4' DIAMETER SHALLOW MANHOLE
MH-27	5528	55+34.9 SS LINE NO. 5	N: 1,684,579.0050 E: 1,590,527.9122	4' DIAMETER SHALLOW MANHOLE
MH-28	5529	57+97.9 SS LINE NO. 5	N: 1,684,841.9866 E: 1,590,524.5587	4' DIAMETER SHALLOW MANHOLE

STRUCTURE TABLE SANITARY SEWER LINE NO. 6				
MH ID	POINT	STATION	COORDINATES	DESCRIPTION
MH-29	5530	62+48.0 SS LINE NO. 6	N: 1,684,832.8159 E: 1,590,857.7796	4' DIAMETER SHALLOW MANHOLE

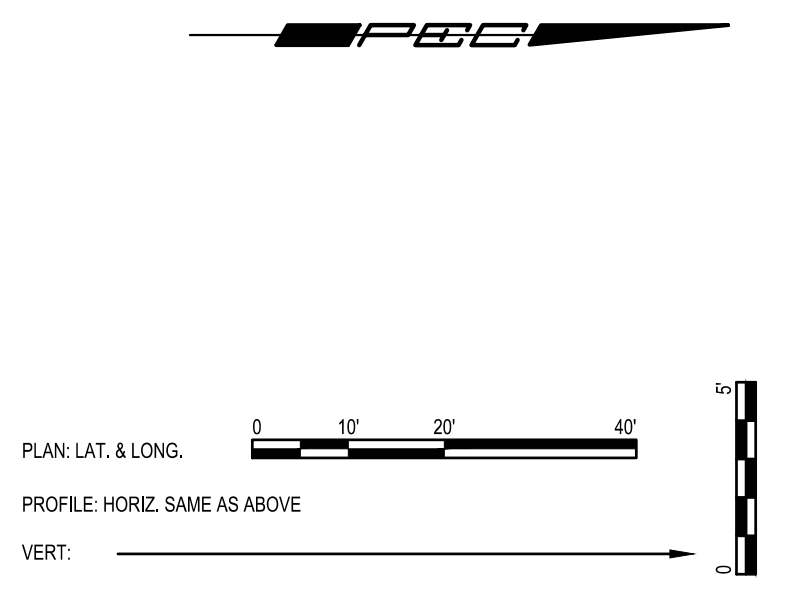
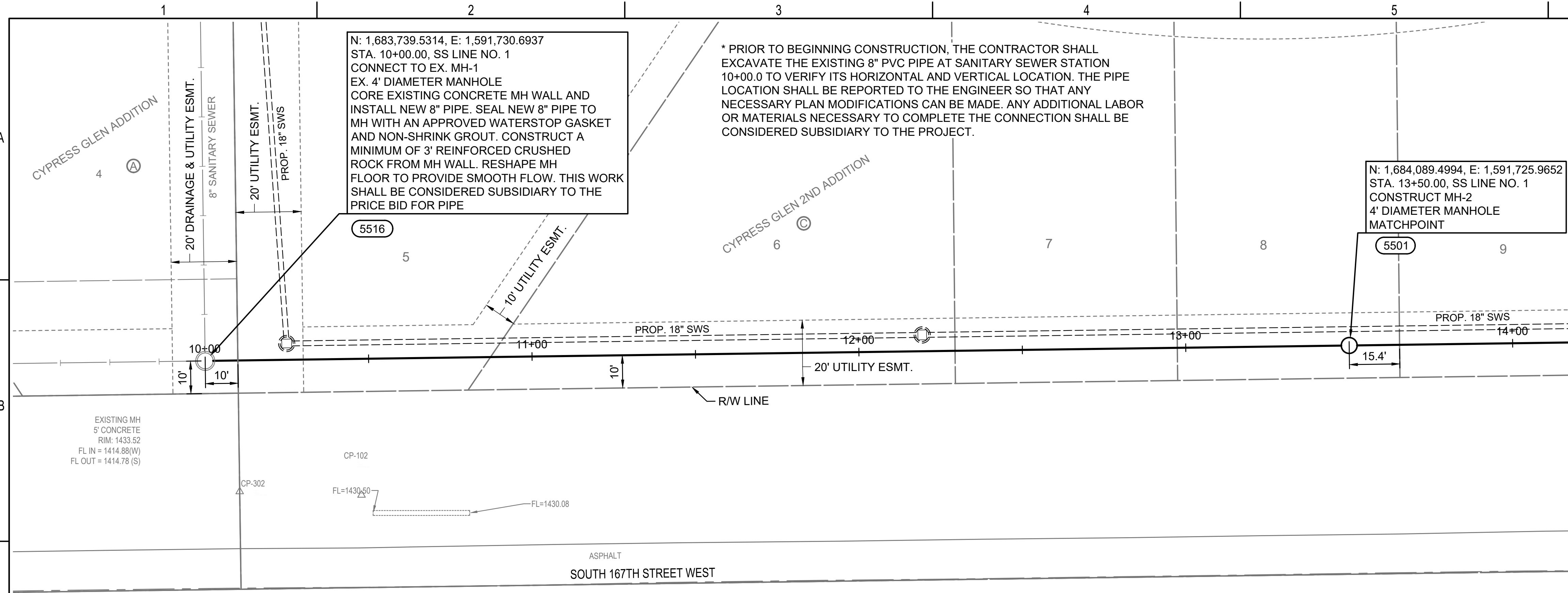


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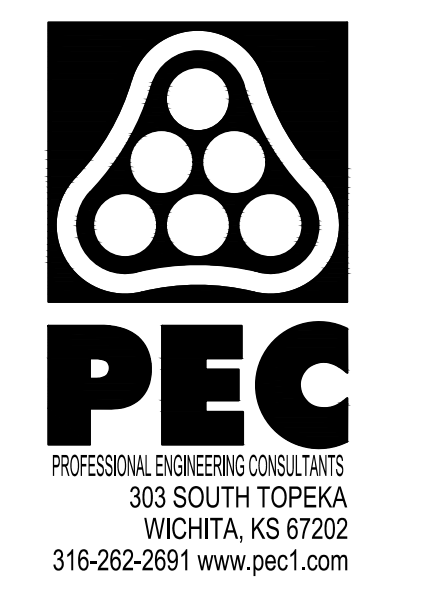
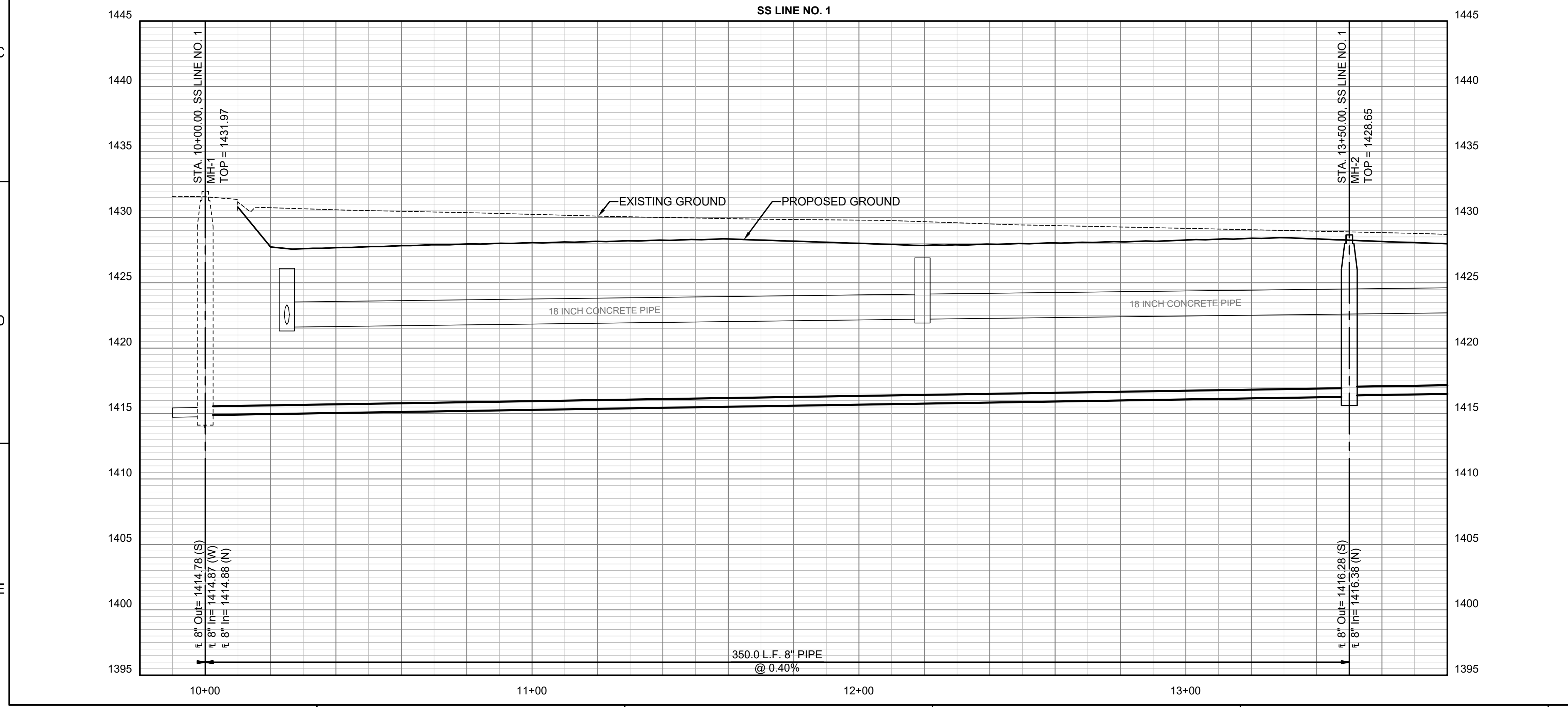
JOB NO.	210975-011
DATE	JULY 2024
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SANITARY SEWER MH
COORDINATES

SAVED 6/28/2024 10:42:58 AM BY KURTIS DEKAT
 PLOTTED 7/5/2024 12:37:45 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2024\210975\10\PECDRAWINGS\SANITARY PHASE 2\210975-011-CU101.DWG



- LEGEND**
- (5500) - SEE SHEET NO. C005 FOR SANITARY SEWER COORDINATES (TYP.)
 - ① - DENOTES SEWER SERVICE. SEE THIS SHEET FOR SEWER SERVICE SCHEDULE AND SHEET NO. CU503 FOR DETAILS.



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SANITARY SEWER LINE NO. 1



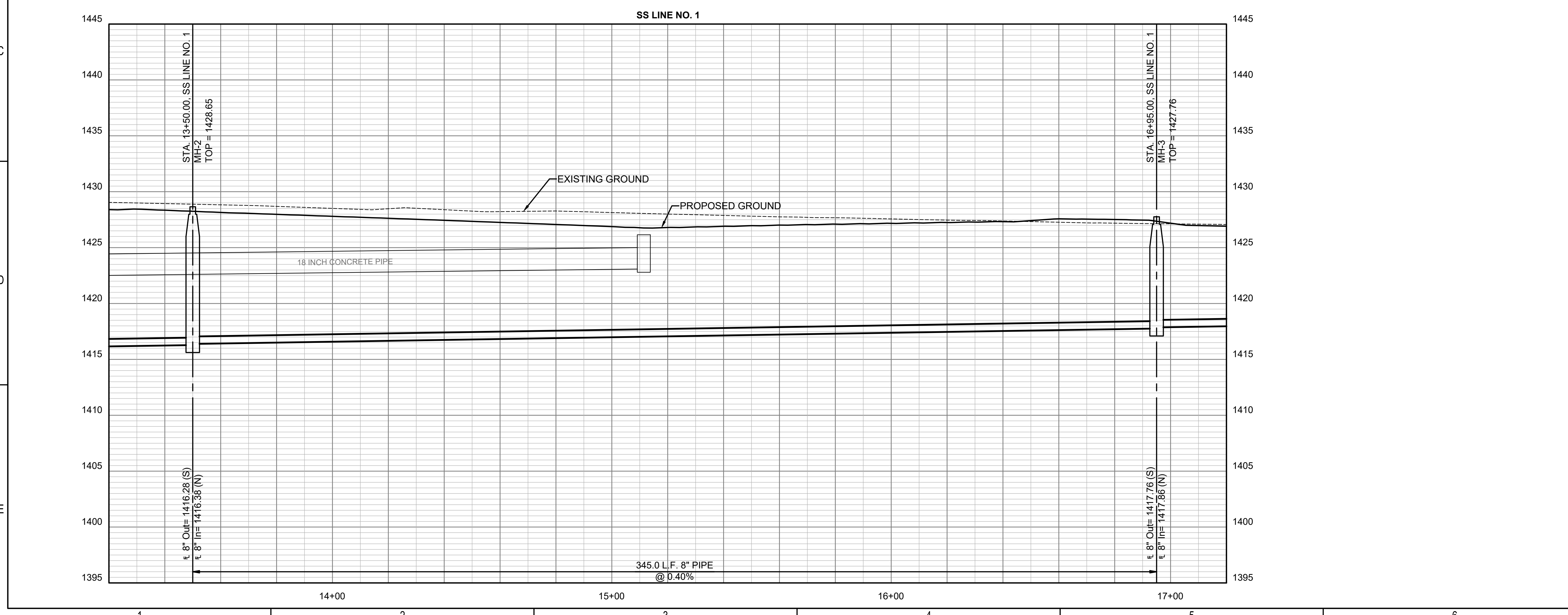
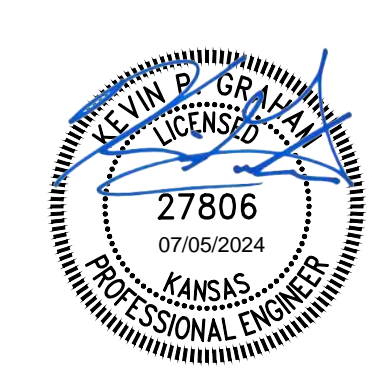
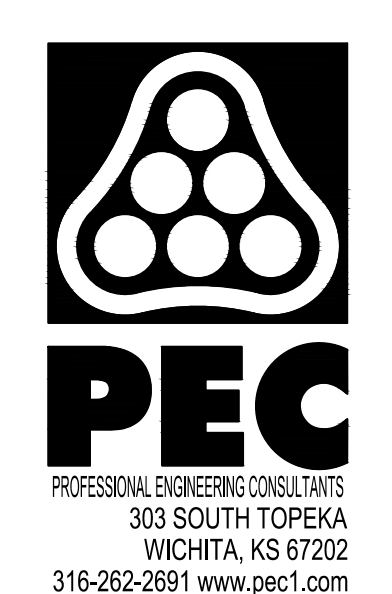
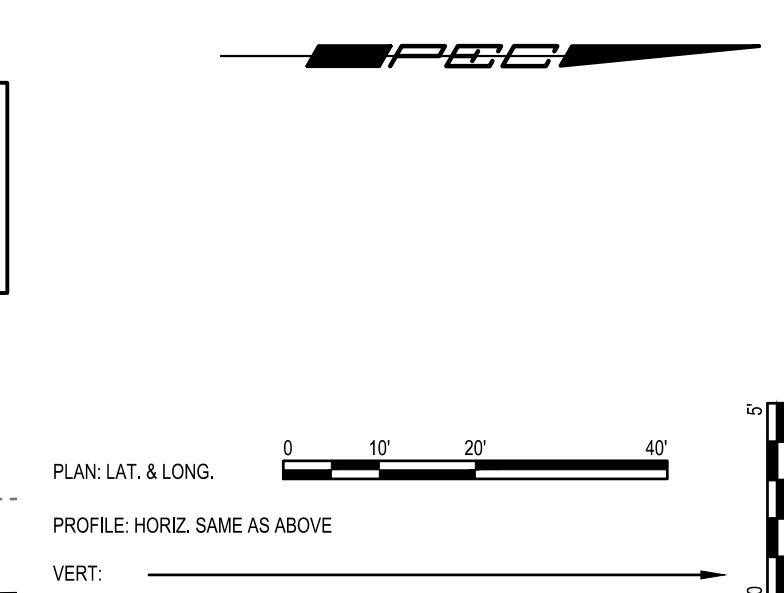
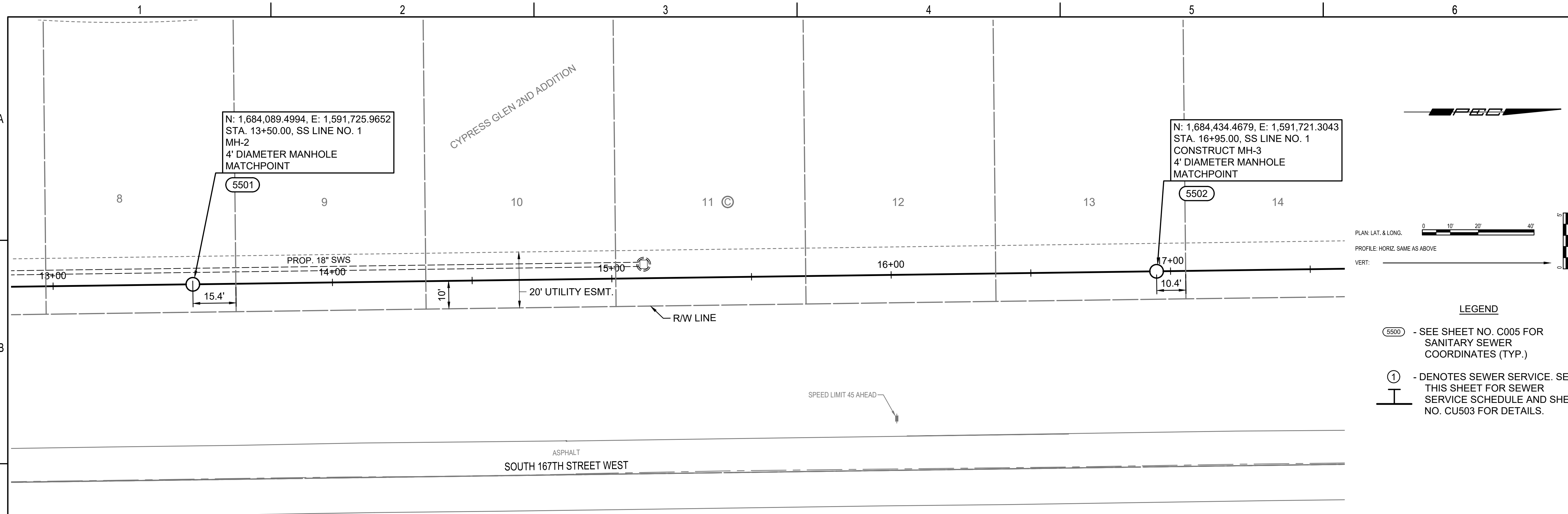
Construction Engineering Division
 1801 S. McLean Blvd., Suite B
 Wichita KS, 67213
 (316) 268-4027

Sanitary Sewer Riser Table

Project Name: WDS_SS_Paving to serve Cypress Glen 2nd Addition
Project Location: (North of Maple Street & West of 167th Street N)
Project No: 468-2024-001201
MUNIS No: E4070/47271724
Contractor: Mies Construction
Inspector: Roberto Carrillo

Riser No.	Line No.	Station	Distance from Main to Riser (Lt./Rt.)	Distance from		Comment
				Downstream MH	Upstream MH	
1	2	23+81.6	18 RT	27.48	267.52	
2	2	24+11.6	18 RT	57.48	237.52	
3	2	24+48.6	18 RT	94.48	200.52	
4	2	24+78.6	18 RT	124.48	170.52	
5	2	25+15.6	18 RT	161.48	133.52	
6	2	25+45.6	18 RT	191.48	103.52	
7	2	25+85.6	18 RT	231.48	63.52	
8	2	26+15.6	18 RT	262.48	33.52	
9	2	30+05.6	18 RT	31.48	267.85	
10	2	30+35.6	18 RT	61.48	237.85	
11	2	30+75.6	18 RT	101.48	197.85	
12	2	31+.05.6	18 RT	131.48	167.85	
13	2	31+45.6	18 RT	171.48	127.85	
14	2	31+75.6	18 RT	201.48	97.85	
15	2	32+15.6	18 RT	241.48	57.85	
16	2	32+45.6	18 RT	271.48	27.85	
17	6	60+50	13 LT	50	198	
18	6	61+18	13 LT	118	130	
19	6	61+58	13 LT	158	90	
20	6	61+98	13 LT	198	50	
21	6	62+32.96	13 LT	232.98	15.02	

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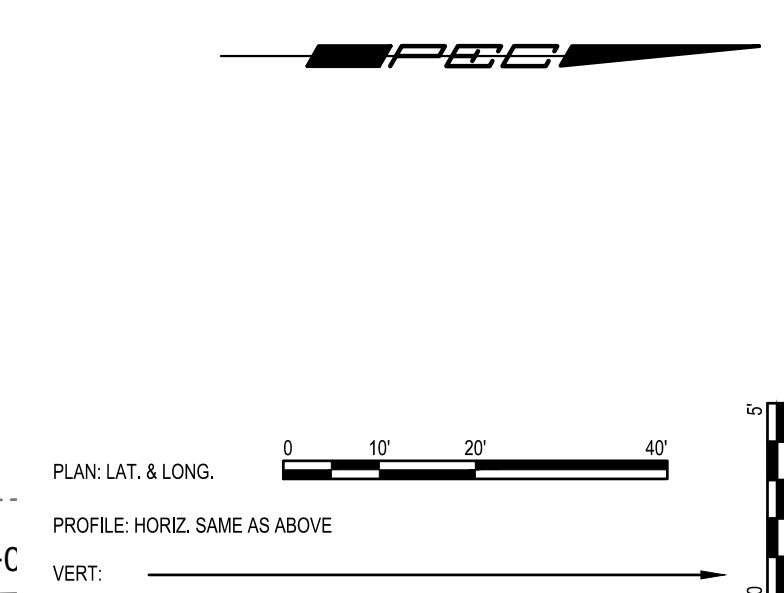
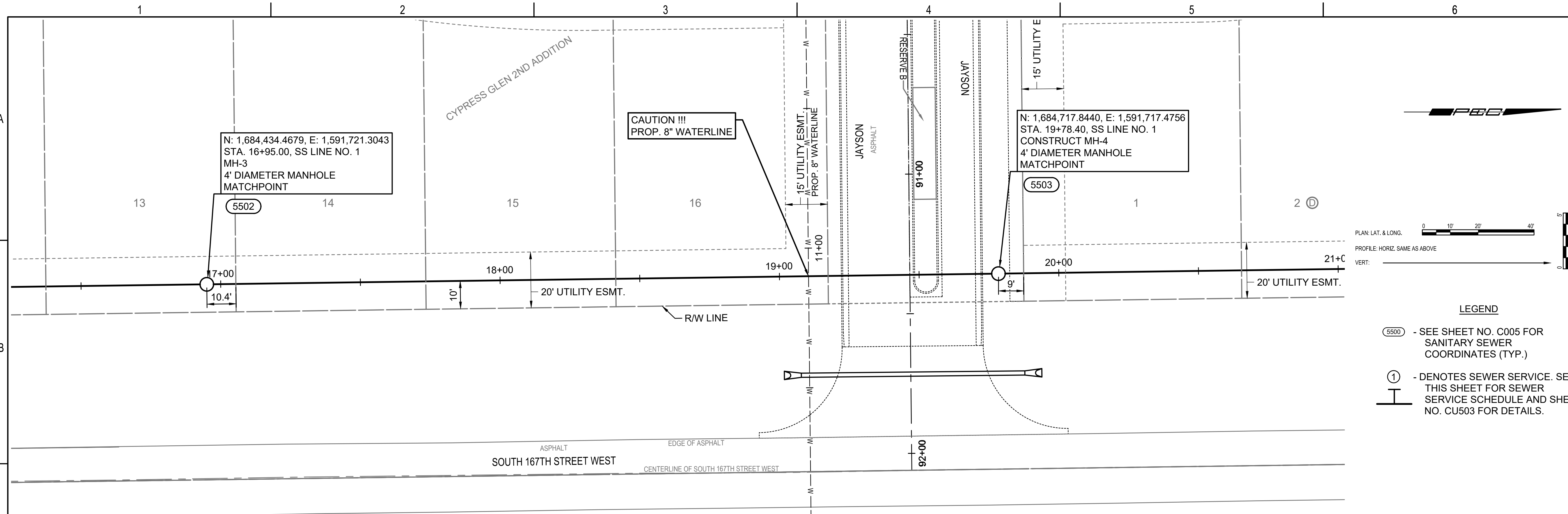


SANITARY SEWER IMPROVEMENTS
 TO SERVE
CYPRESS GLEN 2ND ADDITION
 PAUL GUNZELMAN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 468-2024-001201

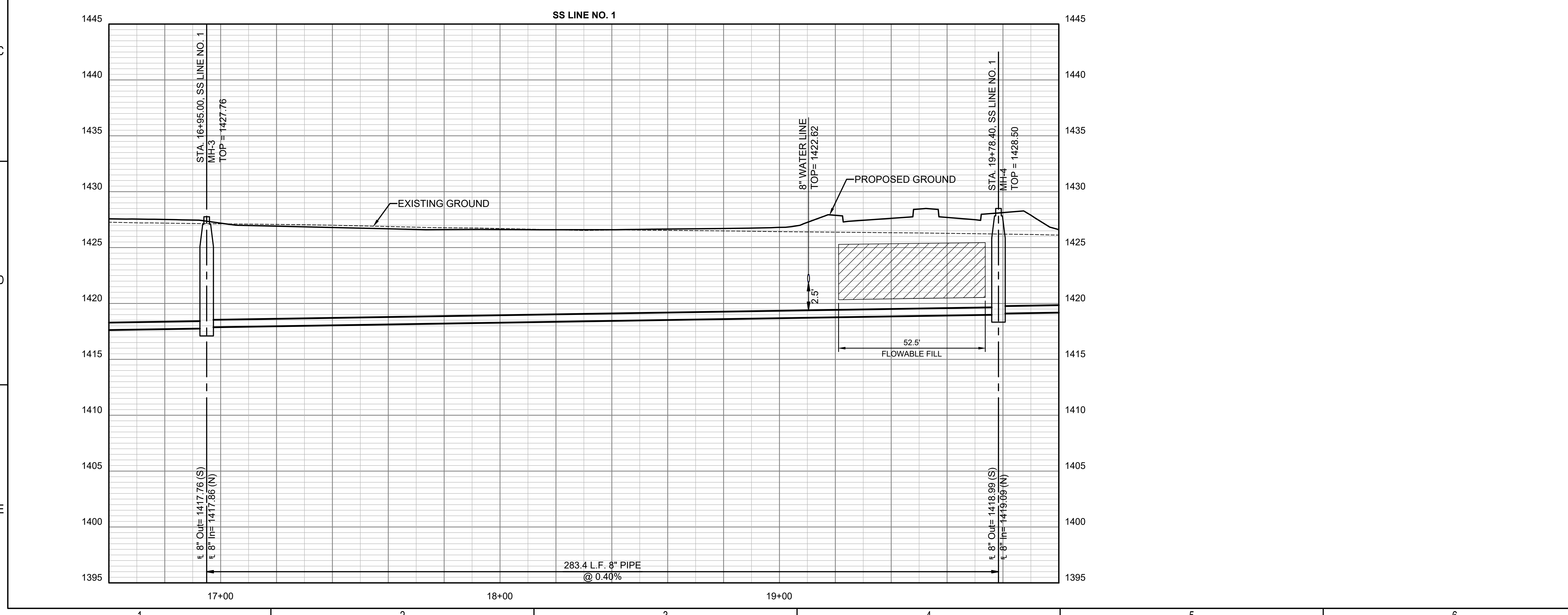
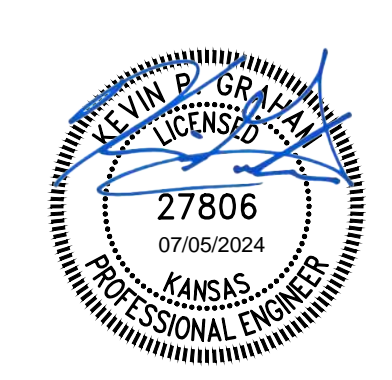
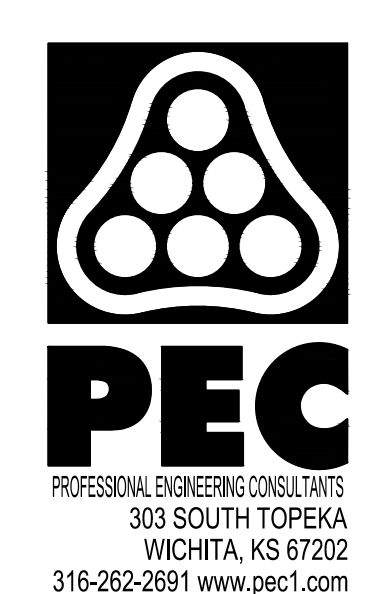
JOB NO.	210975-011
DATE	JULY 2024
PM	KPG
DESIGNED BY	KPG
DRAWN BY	KTD
CHECKED BY	GAS

SANITARY SEWER LINE NO. 1

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- LEGEND**
- (5500) - SEE SHEET NO. C005 FOR SANITARY SEWER COORDINATES (TYP.)
 - ① - DENOTES SEWER SERVICE. SEE THIS SHEET FOR SEWER SERVICE SCHEDULE AND SHEET NO. CU503 FOR DETAILS.

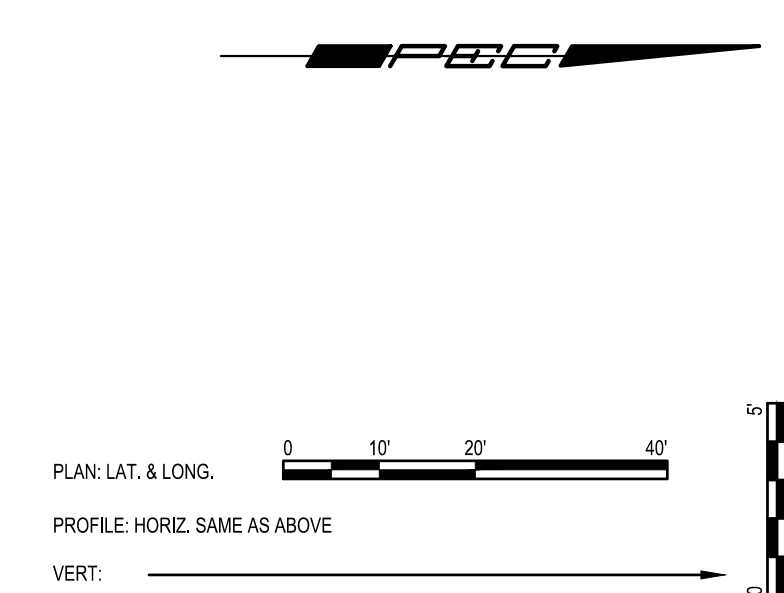
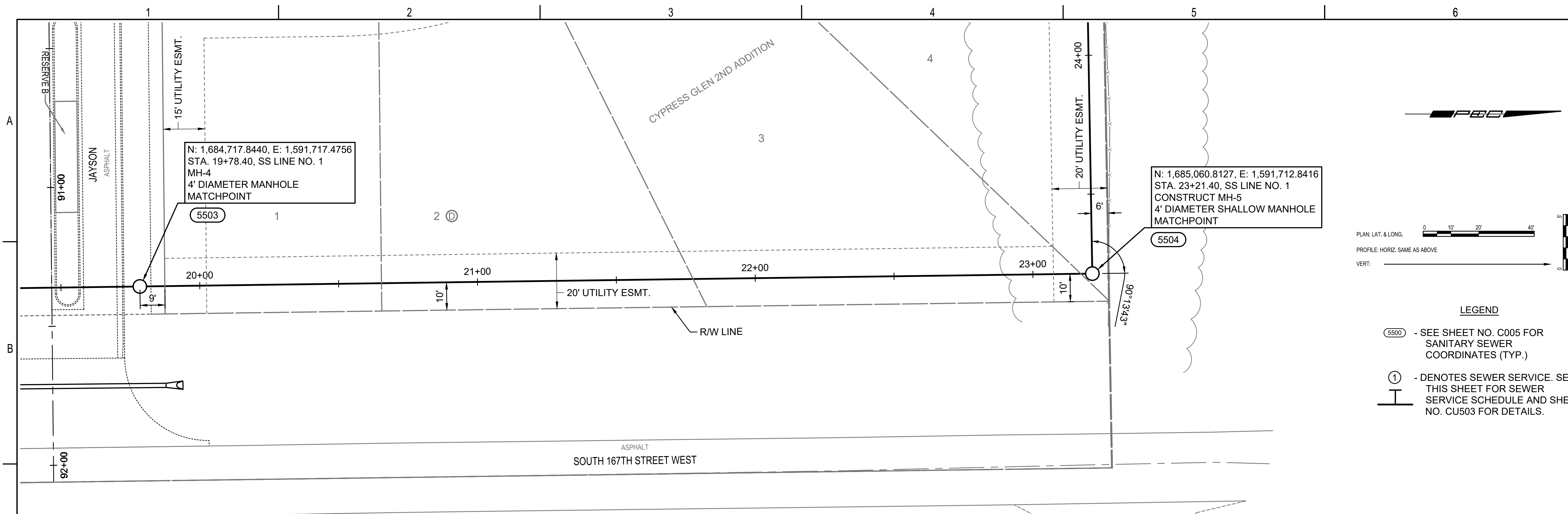


SANITARY SEWER IMPROVEMENTS
 TO SERVE
CYPRESS GLEN 2ND ADDITION
 PAUL GUNZELMAN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 468-2024-001201

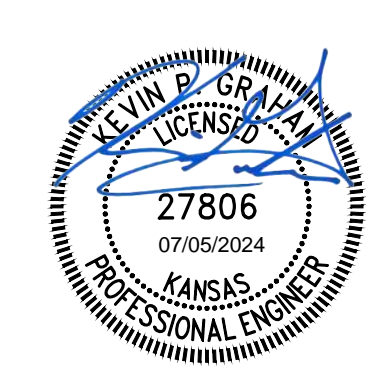
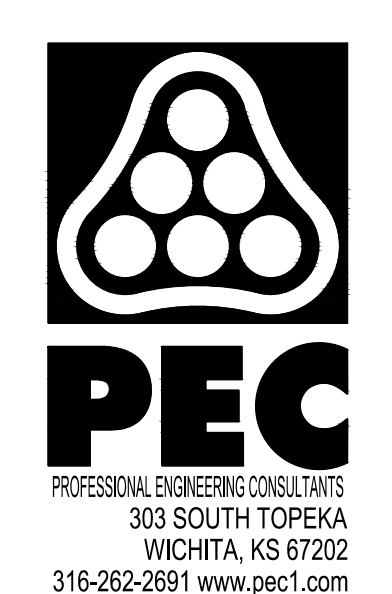
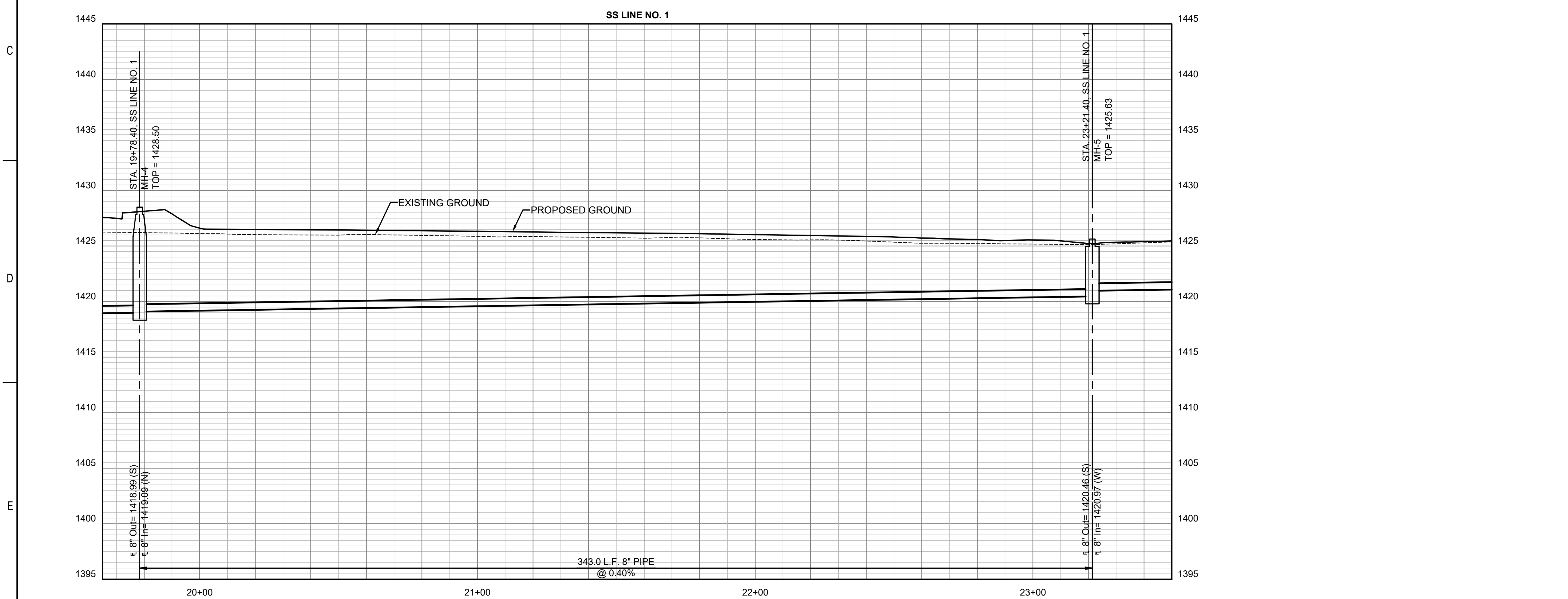
JOB NO.	210975-011
DATE	JULY 2024
PM	KPG
DESIGNED BY	KPG
DRAWN BY	KTD
CHECKED BY	GAS

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- LEGEND**
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 - ① - DENOTES SEWER SERVICE. SEE THIS SHEET FOR SEWER SERVICE SCHEDULE AND SHEET NO. CU503 FOR DETAILS.

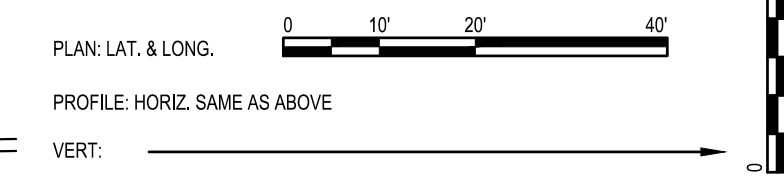
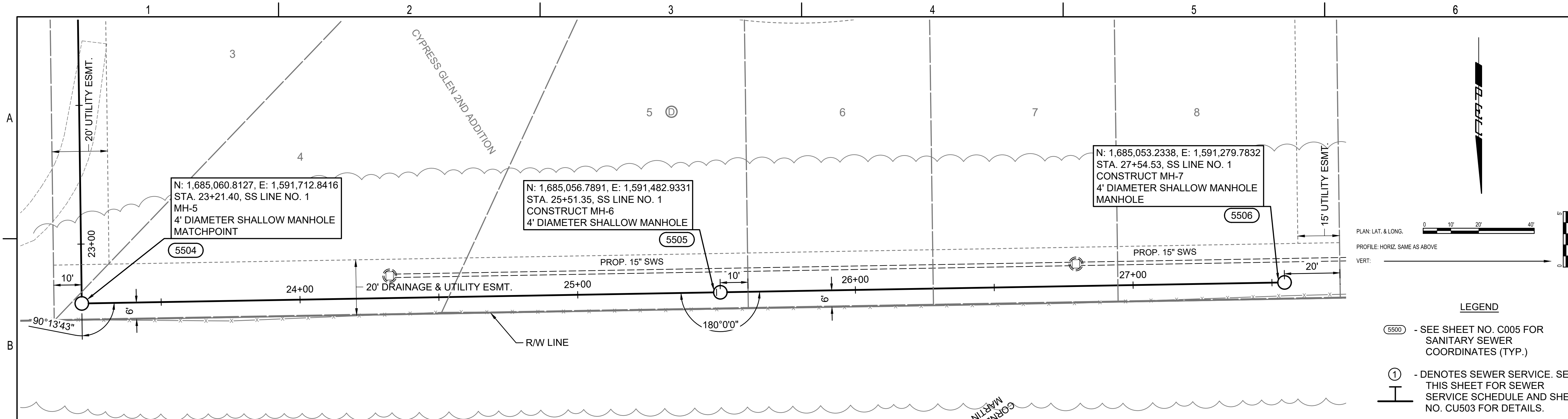


SANITARY SEWER IMPROVEMENTS
 TO SERVE
CYPRESS GLEN 2ND ADDITION
 PAUL GUNZELMAN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 468-2024-001201

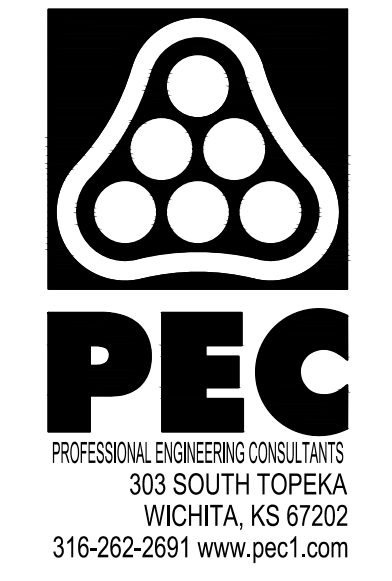
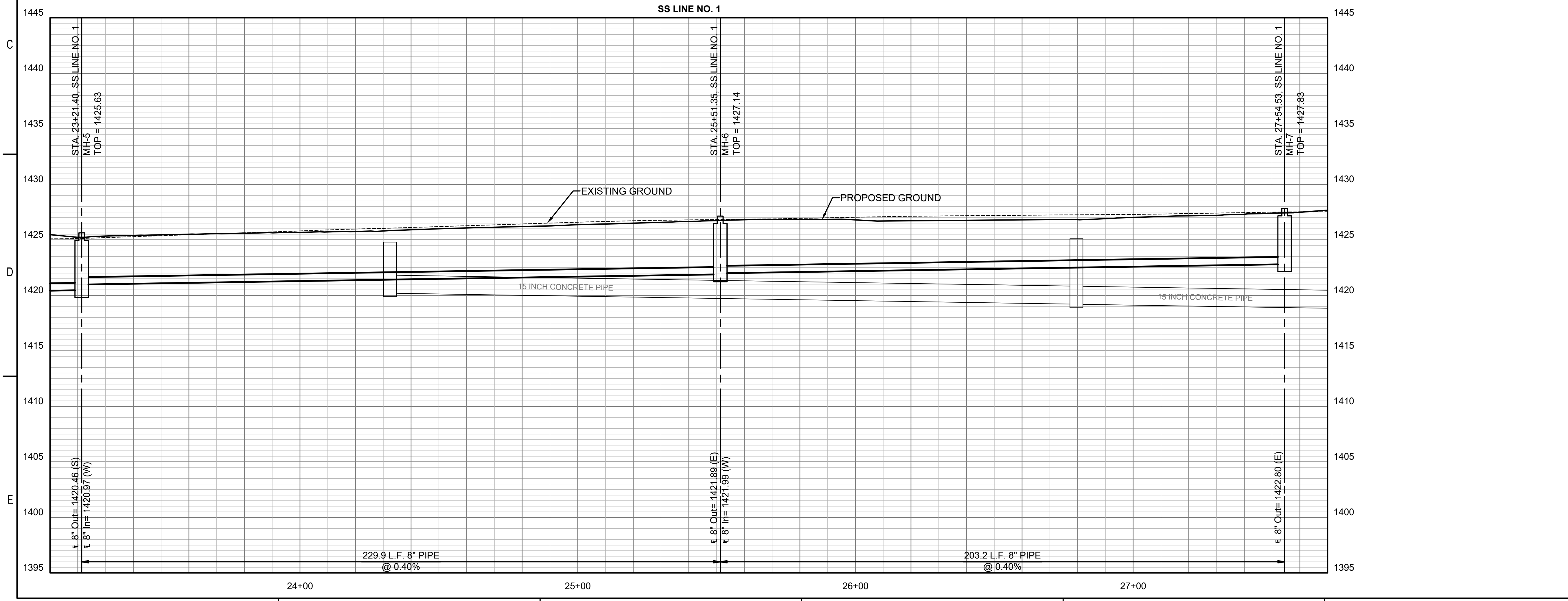
JOB NO.	210975-011
DATE	JULY 2024
PM	KPG
DESIGNED BY	KPG
DRAWN BY	KTD
CHECKED BY	GAS

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- LEGEND**
- (5500) - SEE SHEET NO. C005 FOR SANITARY SEWER COORDINATES (TYP.)
 - ① - DENOTES SEWER SERVICE. SEE THIS SHEET FOR SEWER SERVICE SCHEDULE AND SHEET NO. CU503 FOR DETAILS.



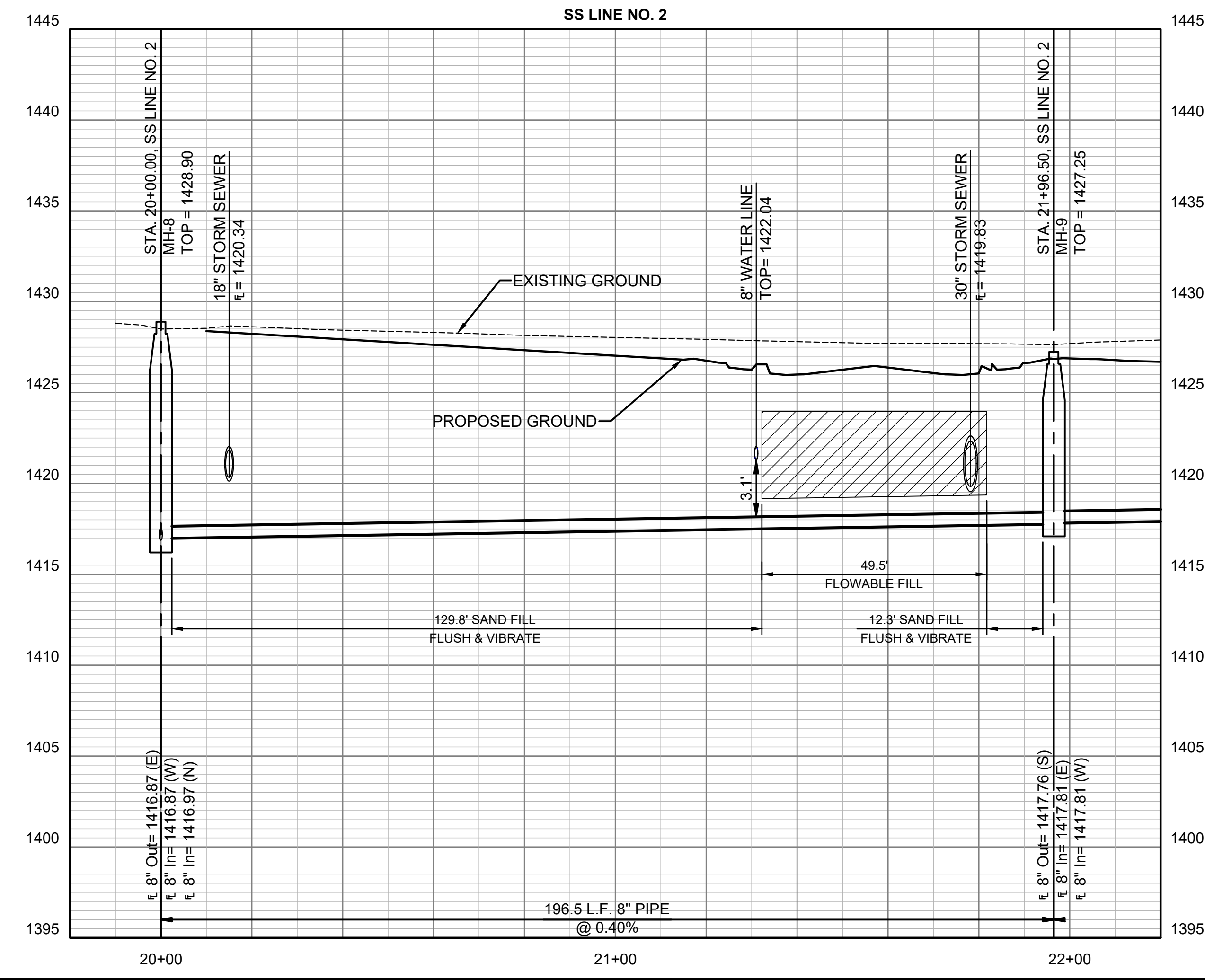
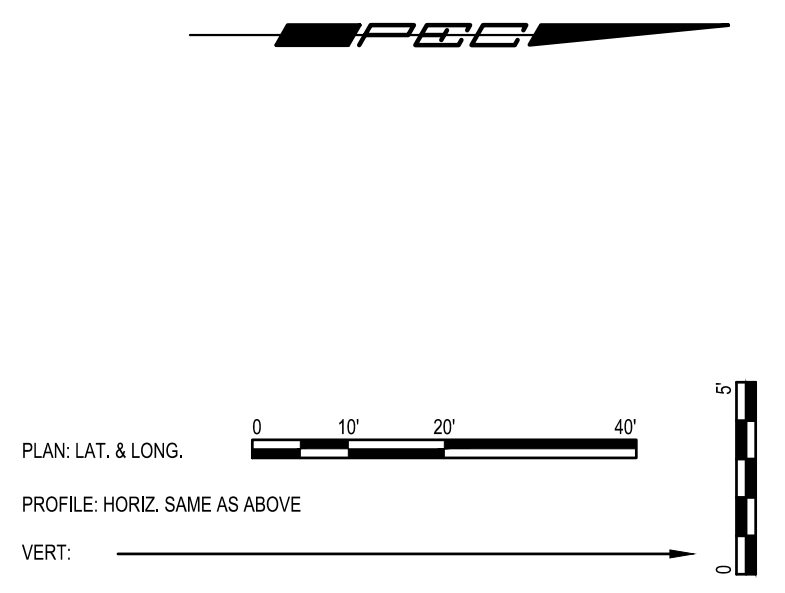
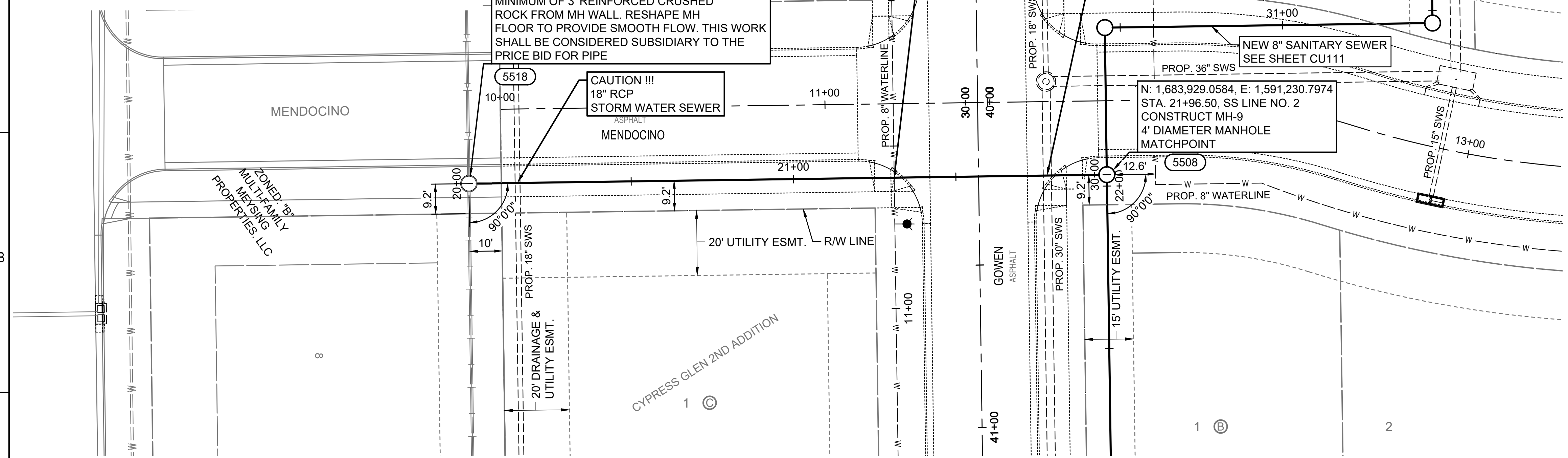
SANITARY SEWER IMPROVEMENTS
 TO SERVE
CYPRESS GLEN 2ND ADDITION
 PAUL GUNZELMAN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 468-2024-001201

JOB NO.	210975-011
DATE	JULY 2024
PM	KPG
DESIGNED BY	KPG
DRAWN BY	KTD
CHECKED BY	GAS

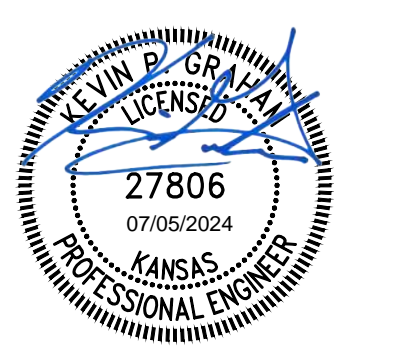
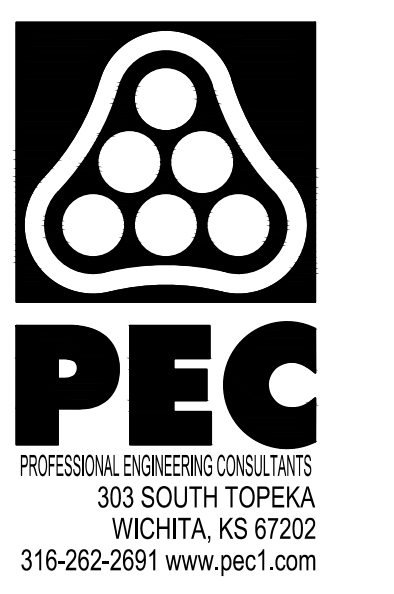
SANITARY SEWER LINE NO. 1

* PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE THE EXISTING 8" PVC PIPE AT SANITARY SEWER STATION 10+00.0 TO VERIFY ITS HORIZONTAL AND VERTICAL LOCATION. THE PIPE LOCATION SHALL BE REPORTED 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.

N: 1,683,732.5778, E: 1,591,233.5545
 STA. 20+00.00, SS LINE NO. 2
 CONNECT TO EX. MH-20
 4' DIAMETER MANHOLE
 CORE EXISTING CONCRETE MH WALL AND INSTALL NEW 8" PIPE. SEAL NEW 8" PIPE TO MH WITH AN APPROVED WATERSTOP GASKET AND NON-SHRINK GROUT. CONSTRUCT A MINIMUM OF 3' REINFORCED CRUSHED ROCK FROM MH WALL. RESHAPE MH FLOOR TO PROVIDE SMOOTH FLOW. THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO THE PRICE BID FOR PIPE



SAVED 6/28/2024 11:07:54 AM BY KURTIS DEKAT
 PLOTTED 7/5/2024 12:39:57 PM BY KEVIN GRAHAM
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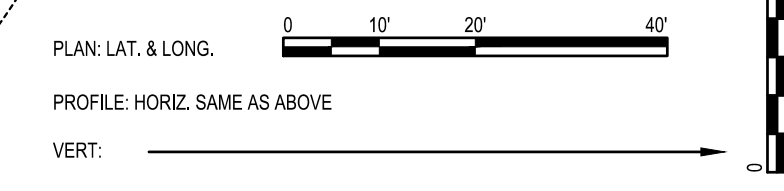
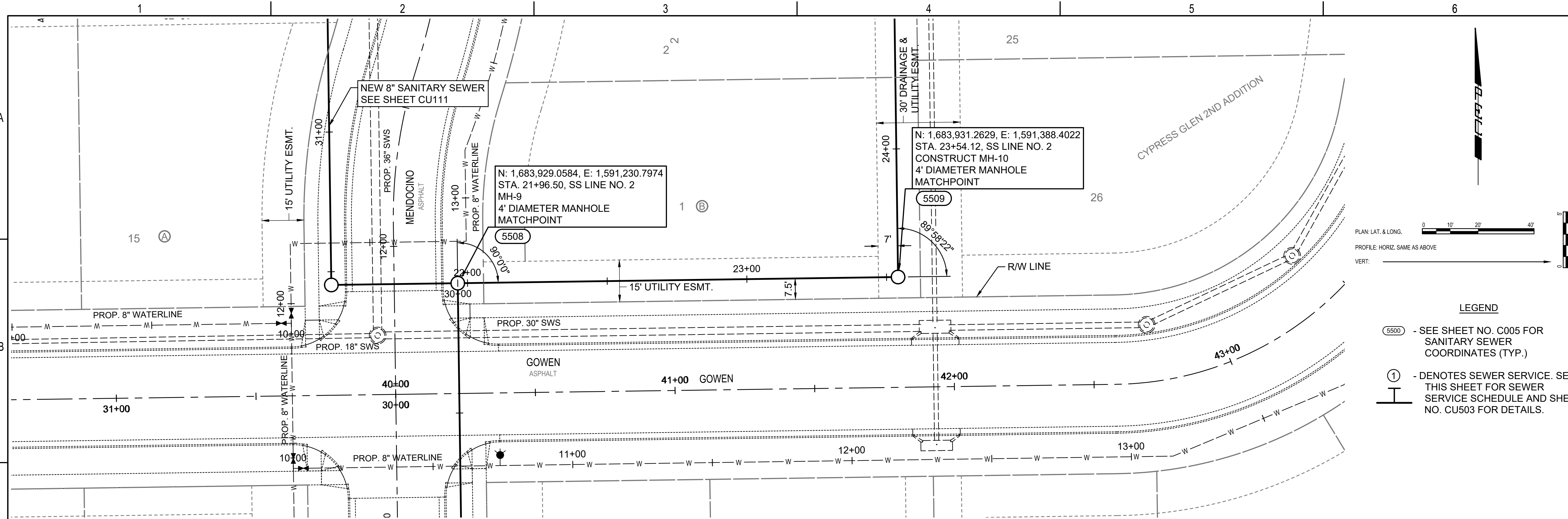
SANITARY SEWER IMPROVEMENTS
 TO SERVE
CYPRESS GLEN 2ND ADDITION
 PAUL GUNZELMAN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 468-2024-001201

JOB NO.	210975-011
DATE	JULY 2024
PM	KPG
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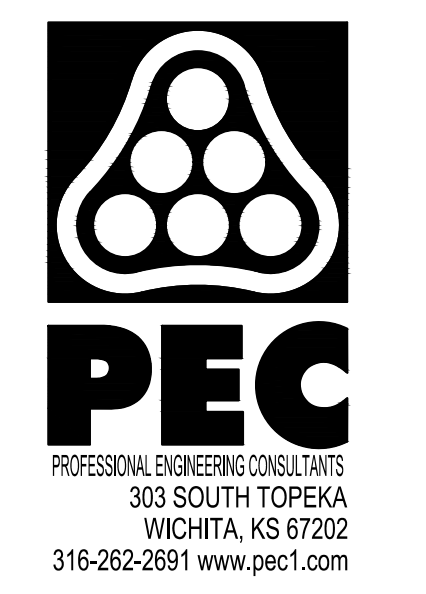
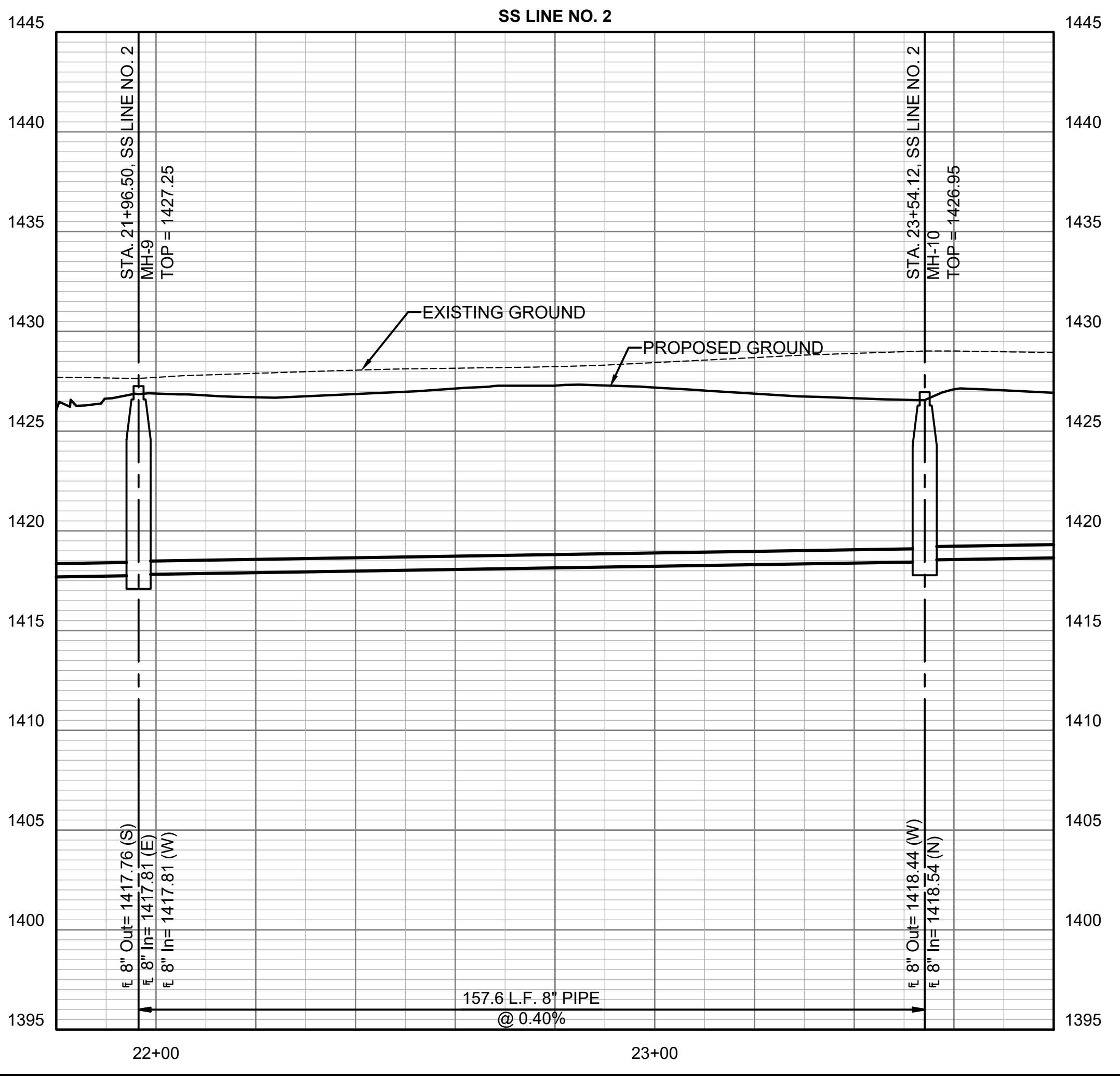
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CU106
 11 OF 37

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- LEGEND**
- (5500) - SEE SHEET NO. C005 FOR SANITARY SEWER COORDINATES (TYP.)
 - ① - DENOTES SEWER SERVICE. SEE THIS SHEET FOR SEWER SERVICE SCHEDULE AND SHEET NO. CU503 FOR DETAILS.

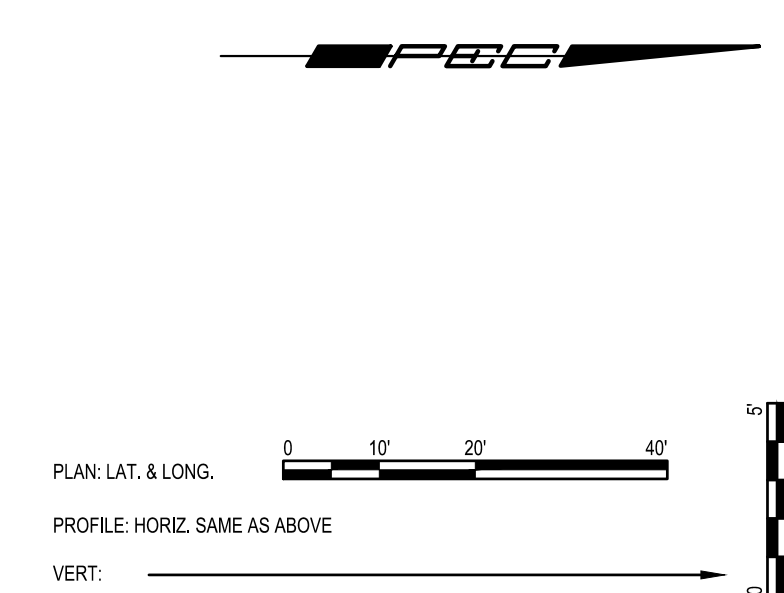
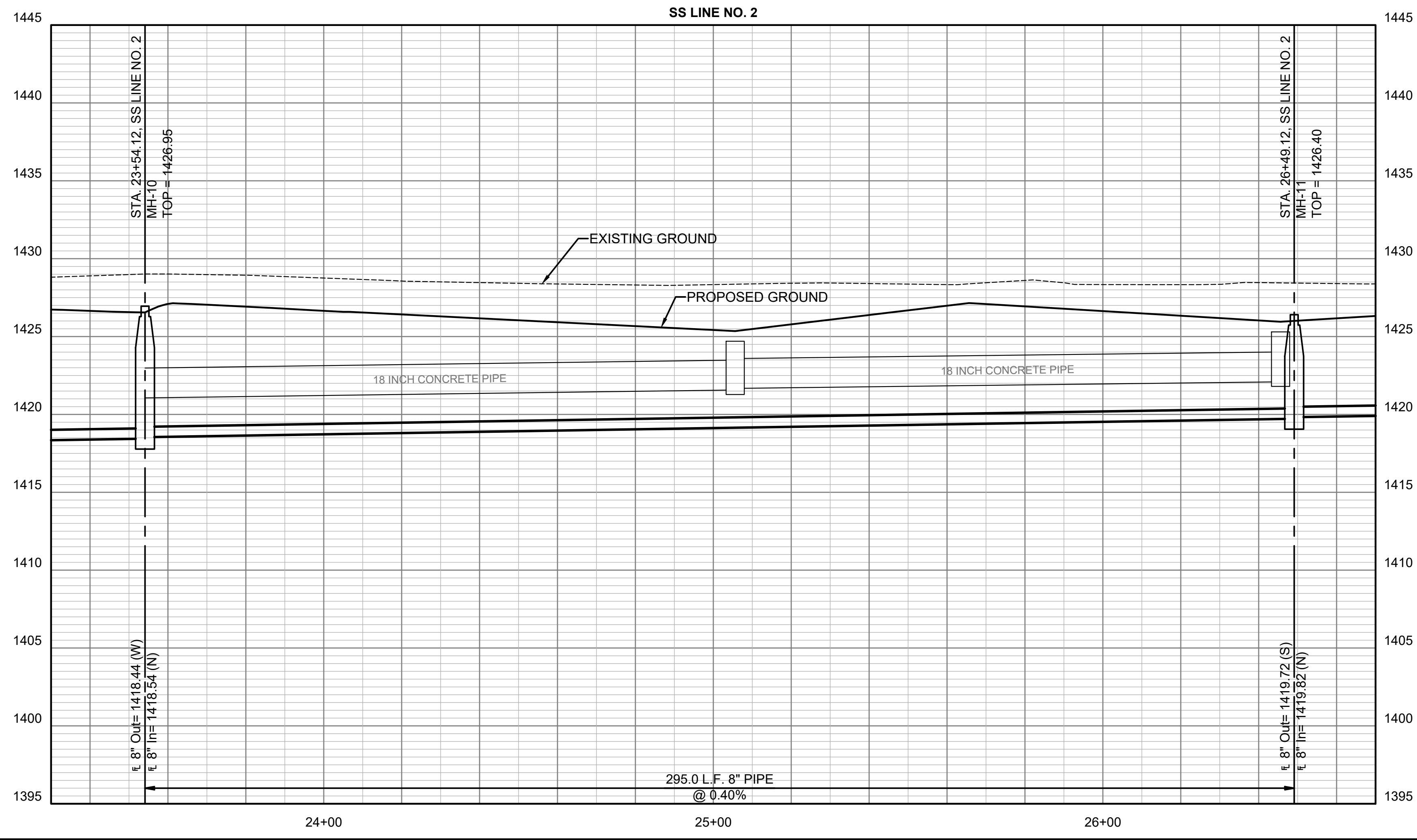
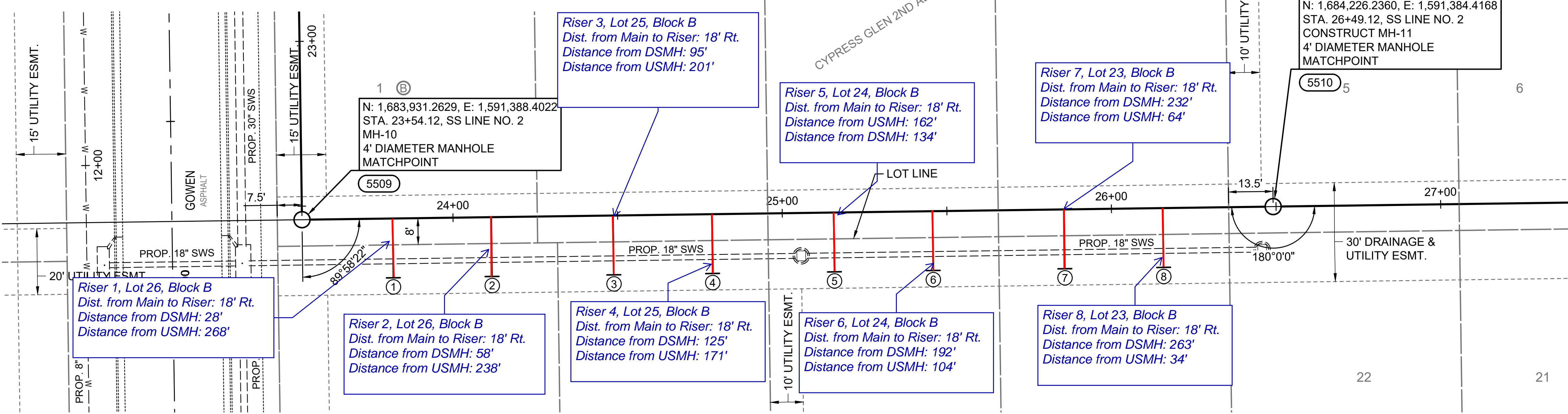


SANITARY SEWER IMPROVEMENTS
 TO SERVE
CYPRESS GLEN 2ND ADDITION
 PAUL GUNZELMAN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 468-2024-001201

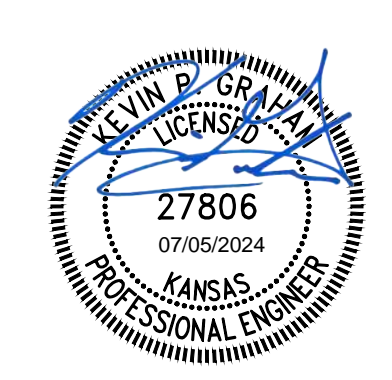
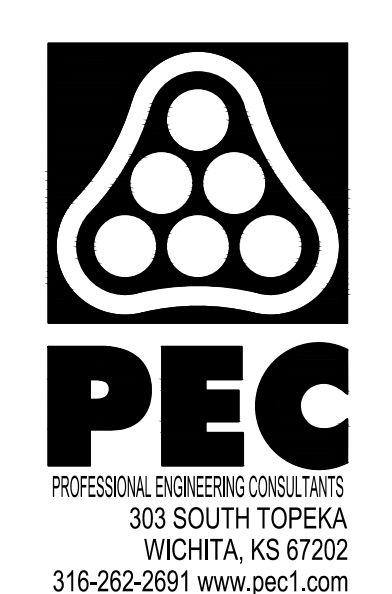
JOB NO.	210975-011
DATE	JULY 2024
PM	KPG
DESIGNED BY	KPG
DRAWN BY	KTD
CHECKED BY	GAS

SANITARY SEWER LINE NO. 2

SANITARY SEWER RISER TABLE								
NUMBER	TYPE	LOT NO.	BLOCK NO.	LINE NO.	STATION	DIRECTION	APPROXIMATE VERTICAL (FT)	APPROXIMATE HORIZONTAL (FT)
1	4" TEE	26	B	2	23+81.6	RT	N/A	18
2	4" TEE	26	B	2	24+11.6	RT	N/A	18
3	4" TEE	25	B	2	24+48.6	RT	N/A	18
4	4" TEE	25	B	2	24+78.6	RT	N/A	18
5	4" TEE	24	B	2	25+15.6	RT	N/A	18
6	4" TEE	24	B	2	25+45.6	RT	N/A	18
7	4" TEE	23	B	2	25+85.6	RT	N/A	18
8	4" TEE	23	B	2	26+15.6	RT	N/A	18



- LEGEND**
- (5500) - SEE SHEET NO. C005 FOR SANITARY SEWER COORDINATES (TYP.)
 - ① - DENOTES SEWER SERVICE. SEE THIS SHEET FOR SEWER SERVICE SCHEDULE AND SHEET NO. CU503 FOR DETAILS.



SANITARY SEWER IMPROVEMENTS
TO SERVE
CYPRESS GLEN 2ND ADDITION

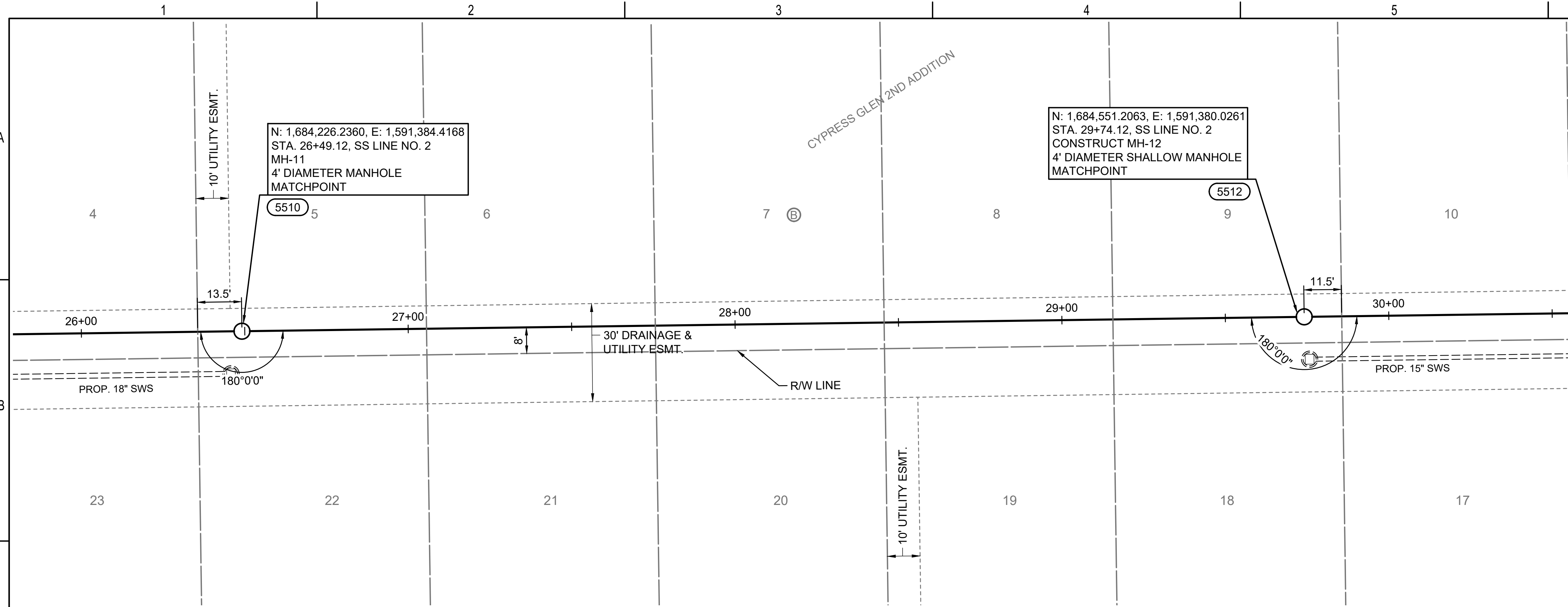
PAUL GUNZELMAN, P.E. - CITY ENGINEER
CITY OF WICHITA PROJECT NO. 468-2024-001201

JOB NO.	210975-011
DATE	JULY 2024
PM	KPG
DESIGNED BY	KPG
DRAWN BY	KTD
CHECKED BY	GAS

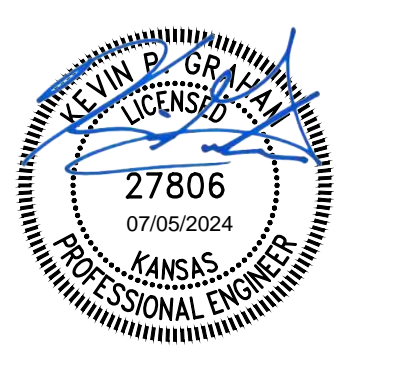
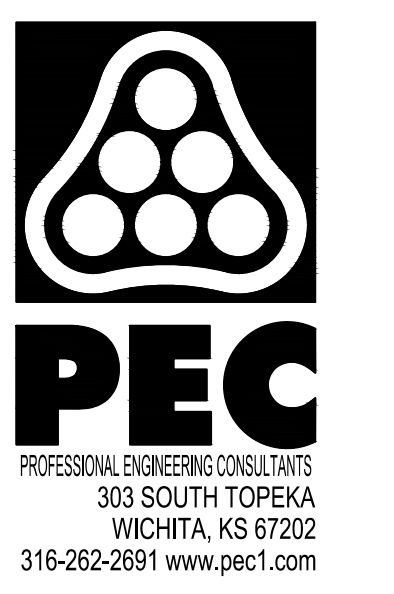
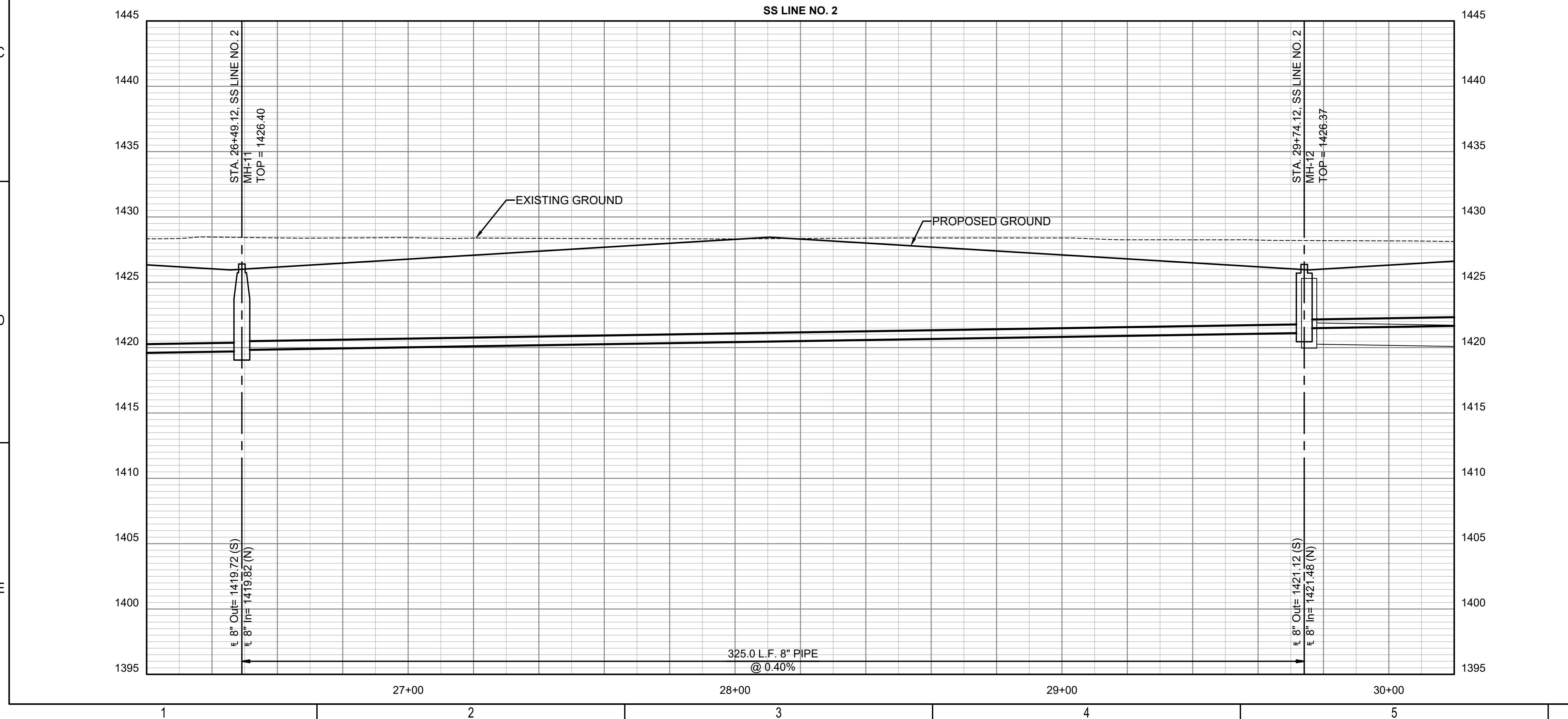
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- LEGEND**
- 5500 - SEE SHEET NO. C005 FOR SANITARY SEWER COORDINATES (TYP.)
 - ① - DENOTES SEWER SERVICE. SEE THIS SHEET FOR SEWER SERVICE SCHEDULE AND SHEET NO. CU503 FOR DETAILS.



SANITARY SEWER IMPROVEMENTS
 TO SERVE
CYPRESS GLEN 2ND ADDITION
 PAUL GUNZELMAN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 468-2024-001201

JOB NO.	210975-011
DATE	JULY 2024
PM	KPG
DESIGNED BY	KPG
DRAWN BY	KTD
CHECKED BY	GAS

SANITARY SEWER LINE NO. 2

SANITARY SEWER RISER TABLE								
NUMBER	TYPE	LOT NO.	BLOCK NO.	LINE NO.	STATION	DIRECTION	APPROXIMATE VERTICAL (FT)	APPROXIMATE HORIZONTAL (FT)
9	4" TEE	17	B	2	30+05.6	RT	N/A	18
10	4" TEE	17	B	2	30+35.6	RT	N/A	18
11	4" TEE	16	B	2	30+75.6	RT	N/A	18
12	4" TEE	16	B	2	31+05.6	RT	N/A	18
13	4" TEE	15	B	2	31+45.6	RT	N/A	18
14	4" TEE	15	B	2	31+75.6	RT	N/A	18
15	4" TEE	14	B	2	32+15.6	RT	N/A	18
16	4" TEE	14	B	2	32+45.6	RT	N/A	18

Riser 9, Lot 17, Block B
Dist. from Main to Riser: 18' Rt.
Distance from DSMH: 32'
Distance from USMH: 268'

Riser 10, Lot 17, Block B
Dist. from Main to Riser: 18' Rt.
Distance from DSMH: 62'
Distance from USMH: 238'

Riser 12, Lot 16, Block B
Dist. from Main to Riser: 18' Rt.
Distance from DSMH: 132'
Distance from USMH: 168'

Riser 14, Lot 15, Block B
Dist. from Main to Riser: 18' Rt.
Distance from DSMH: 202'
Distance from USMH: 98'

Riser 15, Lot 14, Block B
Dist. from Main to Riser: 18' Rt.
Distance from DSMH: 242'
Distance from USMH: 58'

Riser 11, Lot 16, Block B
Dist. from Main to Riser: 18' Rt.
Distance from DSMH: 102'
Distance from USMH: 198'

Riser 13, Lot 15, Block B
Dist. from Main to Riser: 18' Rt.
Distance from DSMH: 172'
Distance from USMH: 128'

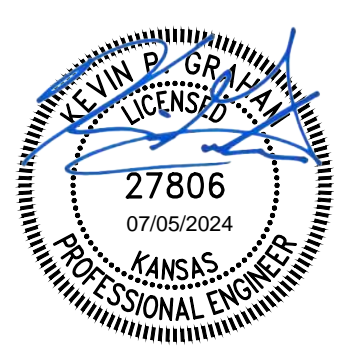
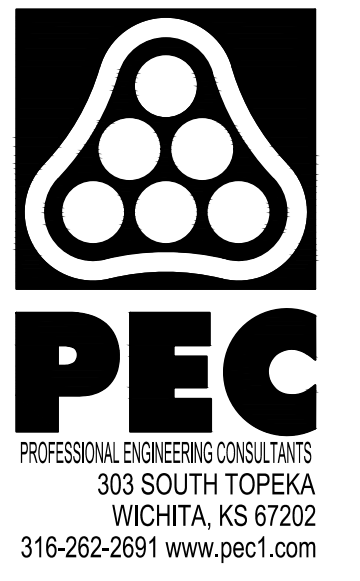
Riser 16, Lot 14, Block B
Dist. from Main to Riser: 18' Rt.
Distance from DSMH: 272'
Distance from USMH: 28'

N: 1,684,551.2063, E: 1,591,380.0261
STA. 29+74.12, SS LINE NO. 2
MH-12
4' DIAMETER SHALLOW MANHOLE
MATCHPOINT
5512

N: 1,684,850.5066, E: 1,591,375.9822
STA. 32+73.45, SS LINE NO. 2
CONSTRUCT MH-13
4' DIAMETER SHALLOW MANHOLE
5512



- LEGEND**
- 5500 - SEE SHEET NO. C005 FOR SANITARY SEWER COORDINATES (TYP.)
 - ① - DENOTES SEWER SERVICE. SEE THIS SHEET FOR SEWER SERVICE SCHEDULE AND SHEET NO. CU503 FOR DETAILS.

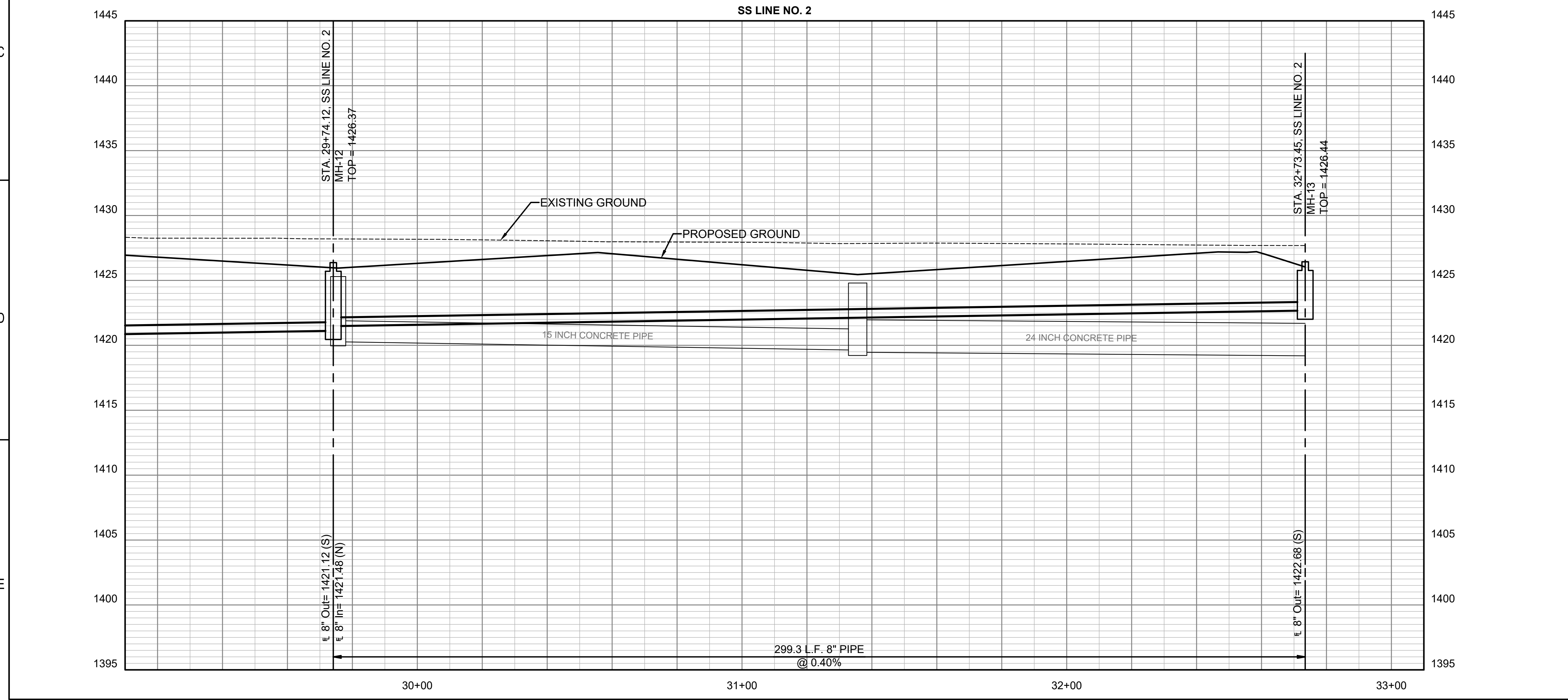
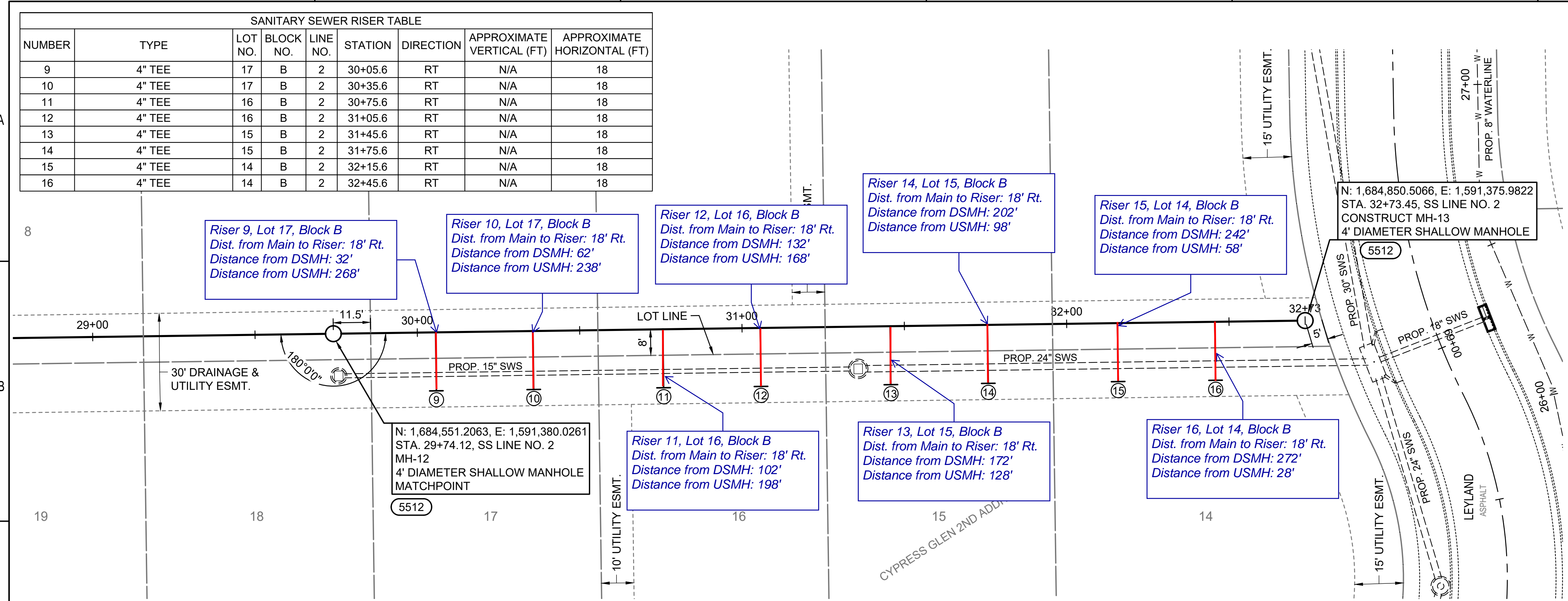


SANITARY SEWER IMPROVEMENTS
TO SERVE
CYPRESS GLEN 2ND ADDITION
PAUL GUNZELMAN, P.E. - CITY ENGINEER
CITY OF WICHITA PROJECT NO. 468-2024-001201

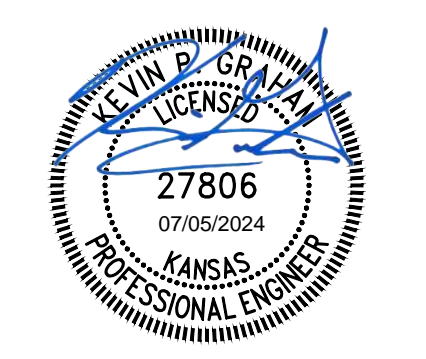
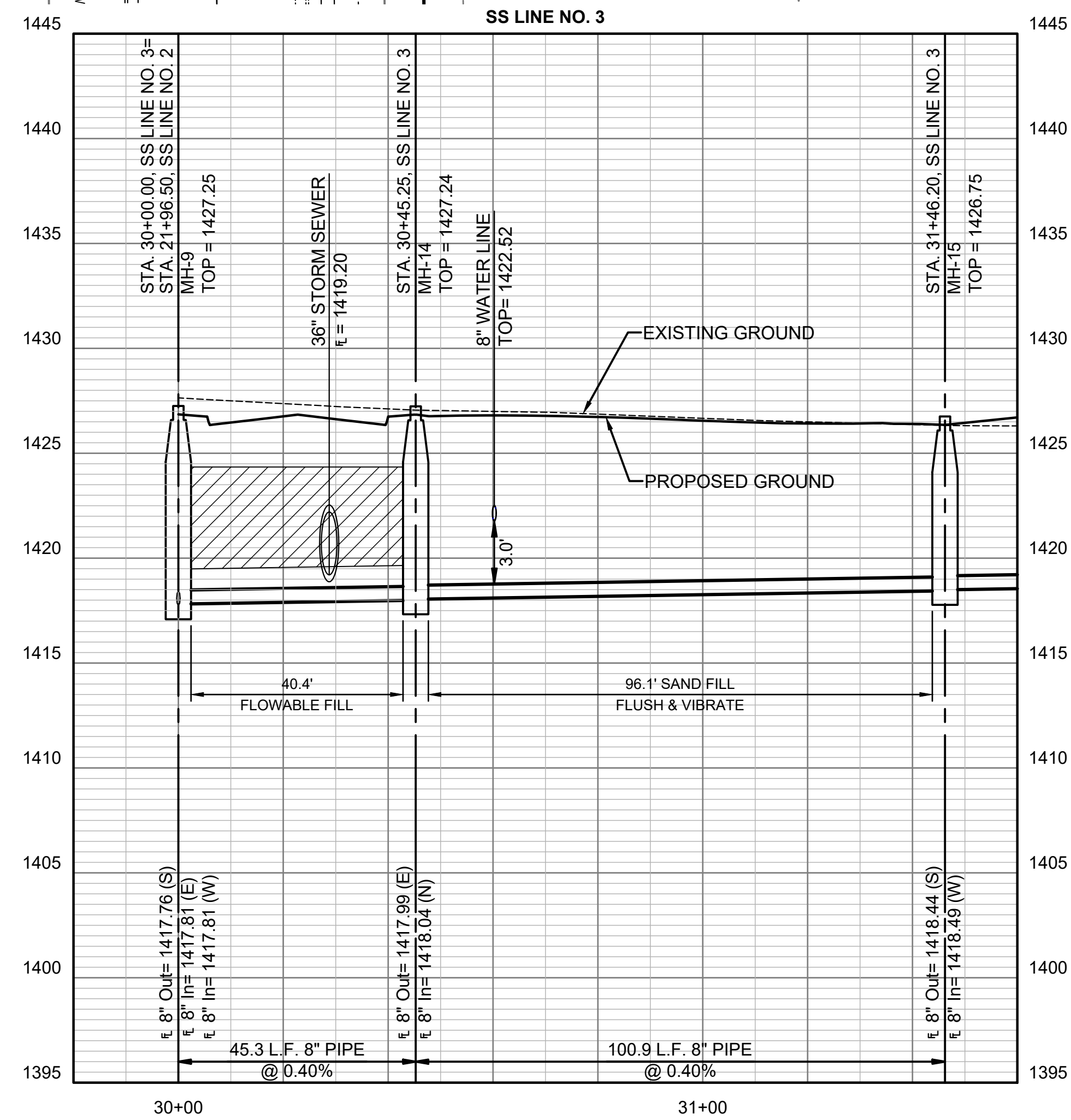
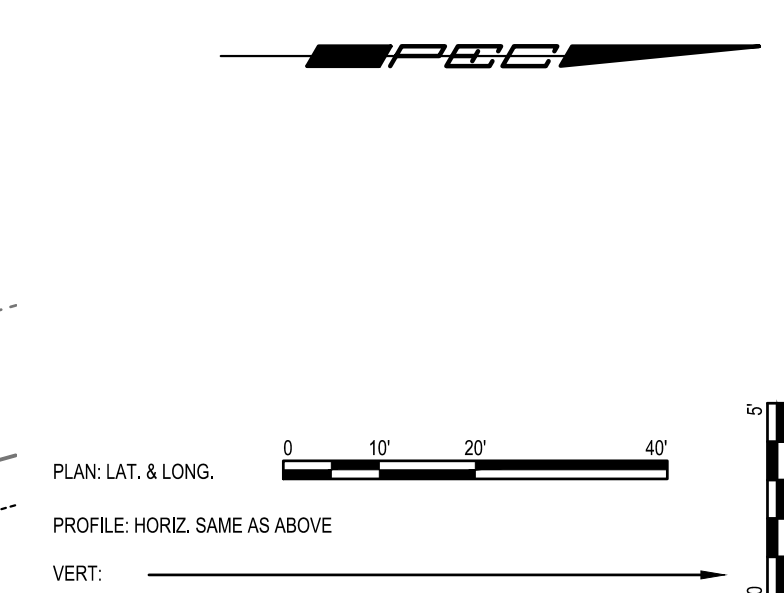
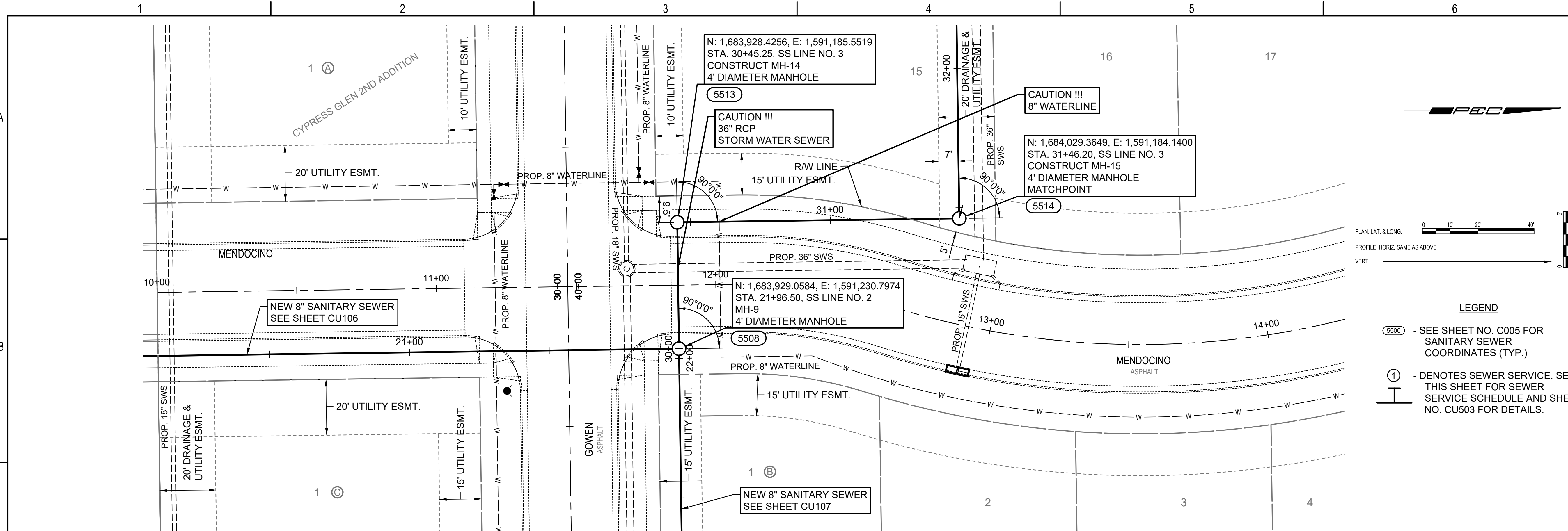
JOB NO.	210975-011
DATE	JULY 2024
PM	KPG
DESIGNED BY	KPG
DRAWN BY	KTD
CHECKED BY	GAS

SANITARY SEWER LINE NO. 2

SAVED 6/28/2024 11:20:45 AM BY KURTIS DEKAT
 PLOTTED 7/5/2024 12:41:47 PM BY KEVIN GRAHAM
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SAVED 6/28/2024 11:26:19 AM BY KURTIS DEKAT
 PLOTTED 7/5/2024 12:42:13 PM BY KEVIN GRAHAM
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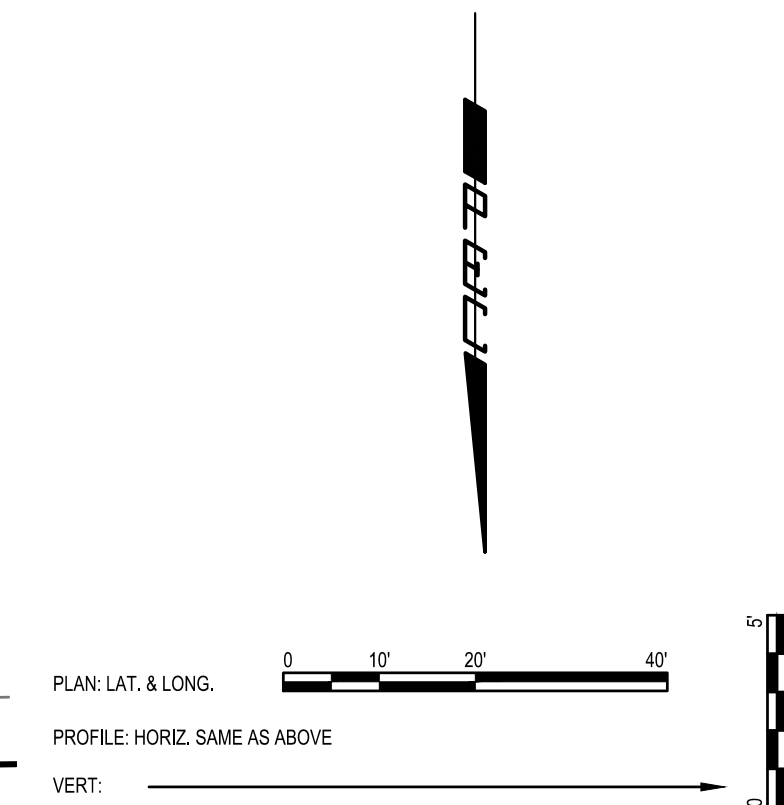
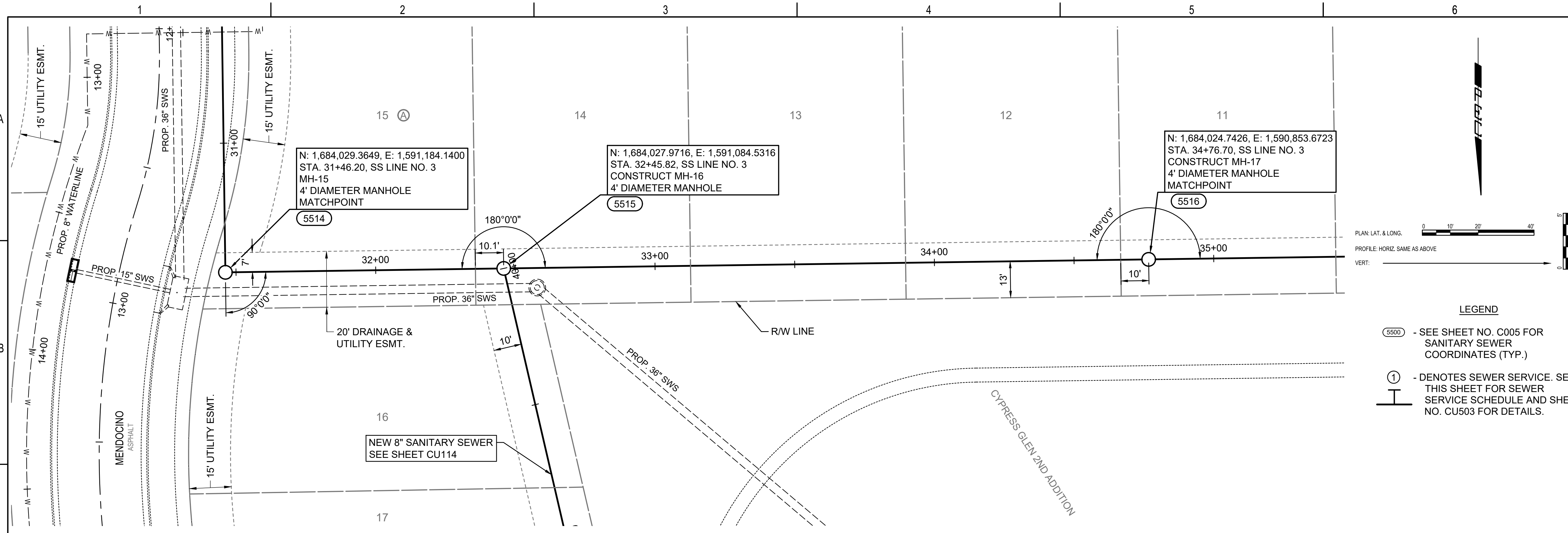


SANITARY SEWER IMPROVEMENTS
 TO SERVE
CYPRESS GLEN 2ND ADDITION
 PAUL GUNZELMAN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 468-2024-001201

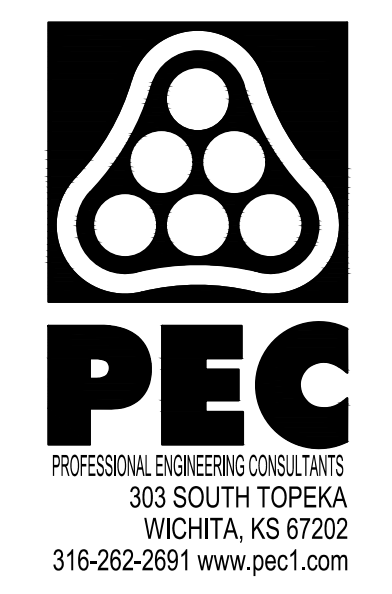
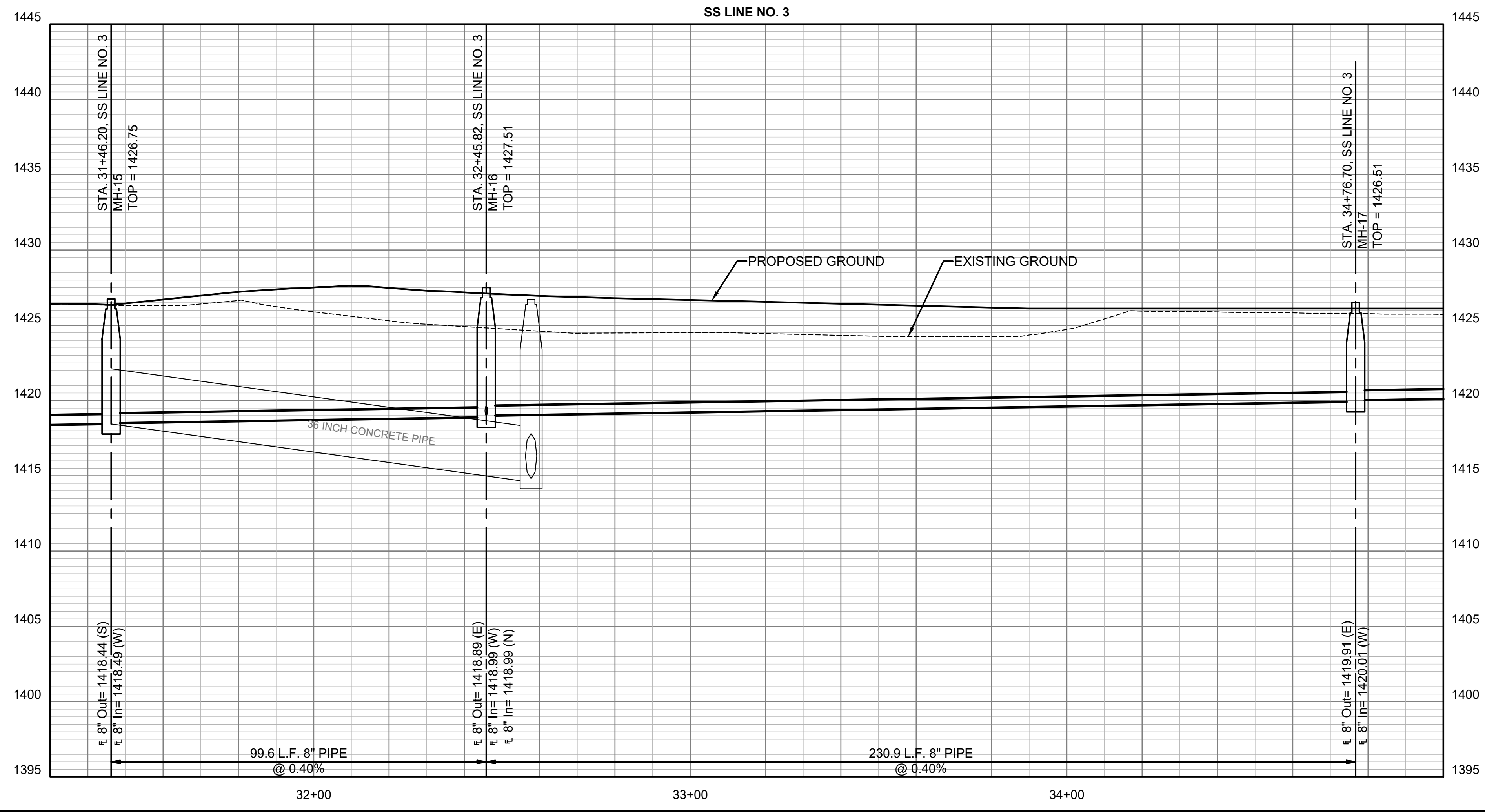
JOB NO.	210975-011
DATE	JULY 2024
PM	KPG
DESIGNED BY	KPG
DRAWN BY	KTD
CHECKED BY	GAS

SANITARY SEWER LINE NO. 3

SAVED 6/28/2024 11:29:29 AM BY KURTIS DEKAT
 PLOTTED 7/5/2024 12:42:42 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2024\210975\10\PECDRAWINGS\SANITARY PHASE 2\210975-011-CU112.DWG



- LEGEND**
- (5500) - SEE SHEET NO. C005 FOR SANITARY SEWER COORDINATES (TYP.)
 - ① - DENOTES SEWER SERVICE. SEE THIS SHEET FOR SEWER SERVICE SCHEDULE AND SHEET NO. CU503 FOR DETAILS.

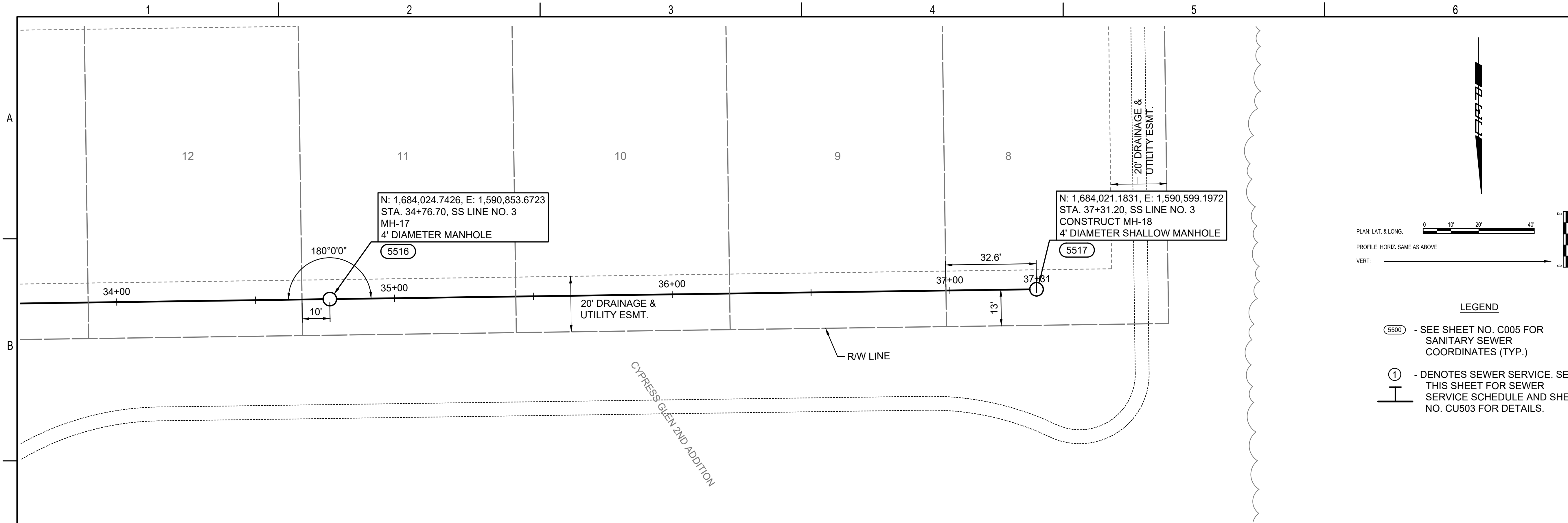


SANITARY SEWER IMPROVEMENTS
 TO SERVE
CYPRESS GLEN 2ND ADDITION
 PAUL GUNZELMAN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 468-2024-001201

JOB NO.	210975-011
DATE	JULY 2024
PM	KPG
DESIGNED BY	KPG
DRAWN BY	KTD
CHECKED BY	GAS

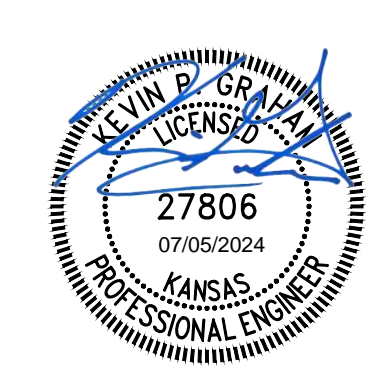
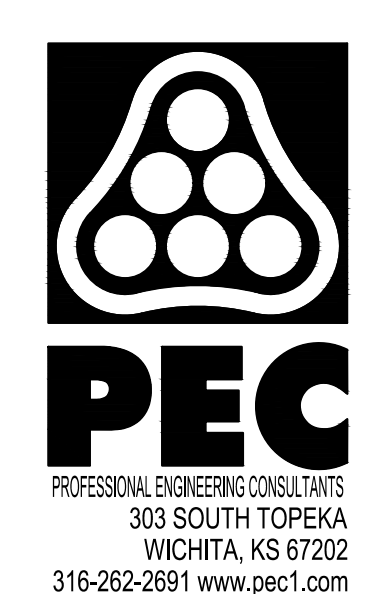
SANITARY SEWER LINE NO. 3

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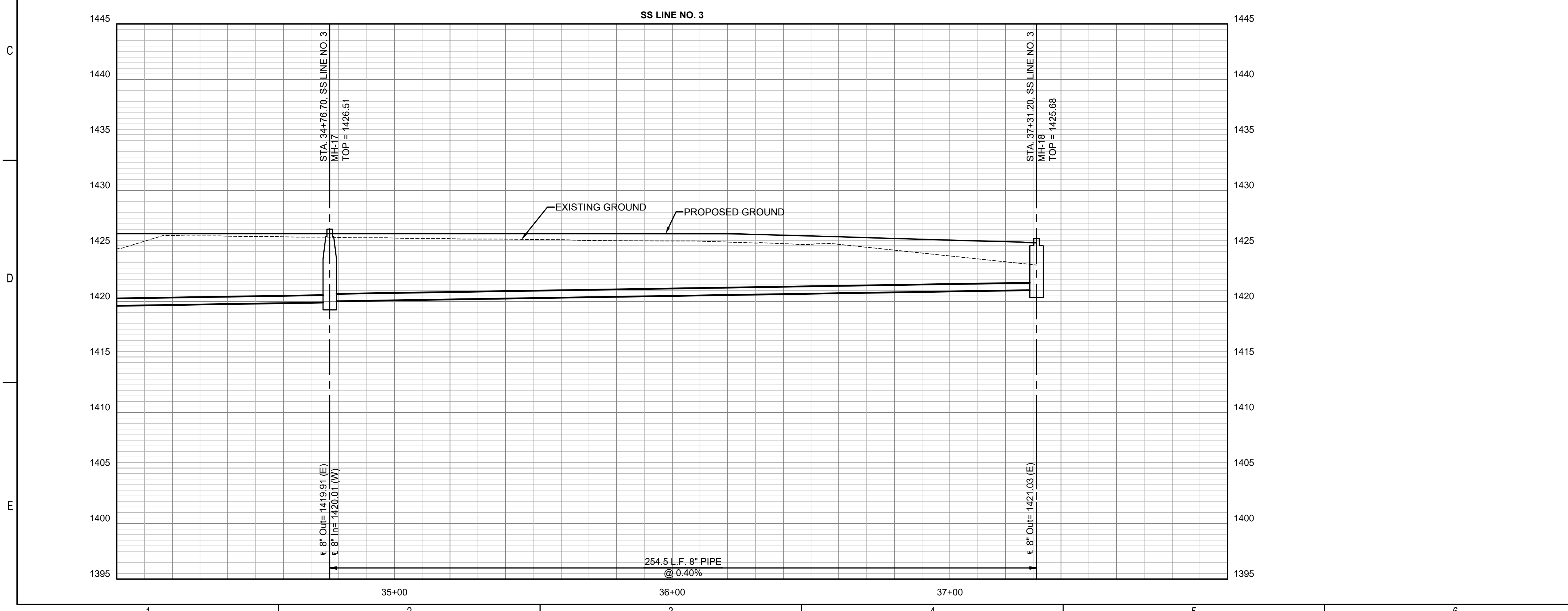


PLAN: LAT. & LONG. 0 10' 20' 40'
 PROFILE: HORIZ. SAME AS ABOVE
 VERT. 0 5'

- LEGEND**
- (5500) - SEE SHEET NO. C005 FOR SANITARY SEWER COORDINATES (TYP.)
 - ① - DENOTES SEWER SERVICE. SEE THIS SHEET FOR SEWER SERVICE SCHEDULE AND SHEET NO. CU503 FOR DETAILS.



SANITARY SEWER IMPROVEMENTS
 TO SERVE
CYPRESS GLEN 2ND ADDITION
 PAUL GUNZELMAN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 468-2024-001201

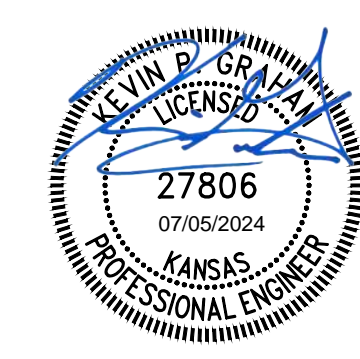
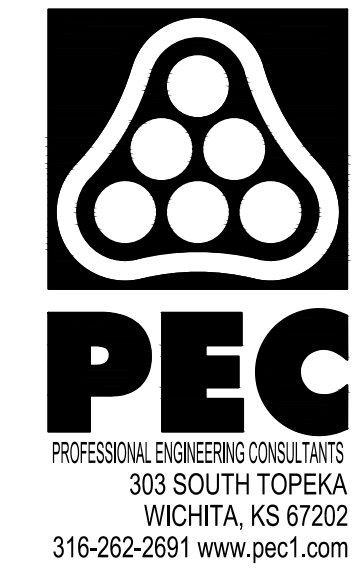
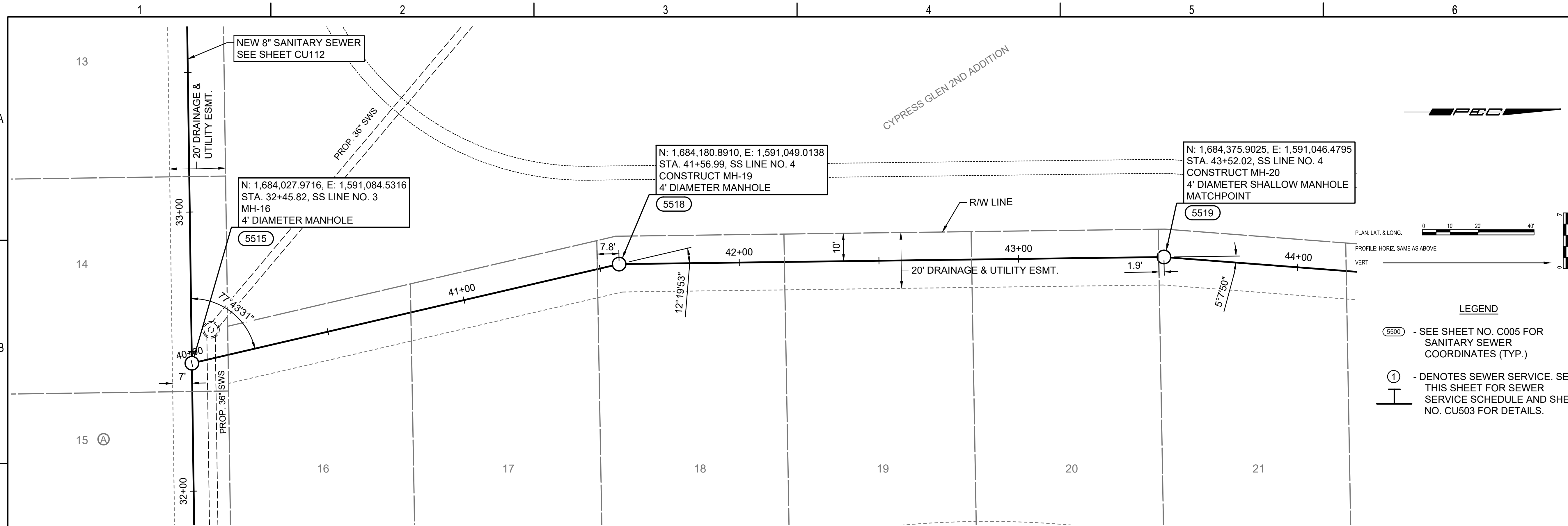


JOB NO.	210975-011
DATE	JULY 2024
PM	KPG
DESIGNED BY	KPG
DRAWN BY	KTD
CHECKED BY	GAS

SANITARY SEWER LINE NO. 3

CU113
 18 OF 37

SAVED 7/5/2024 9:24:21 AM BY KEVIN GRAHAM
 PLOTTED 7/5/2024 12:43:32 PM BY KEVIN GRAHAM
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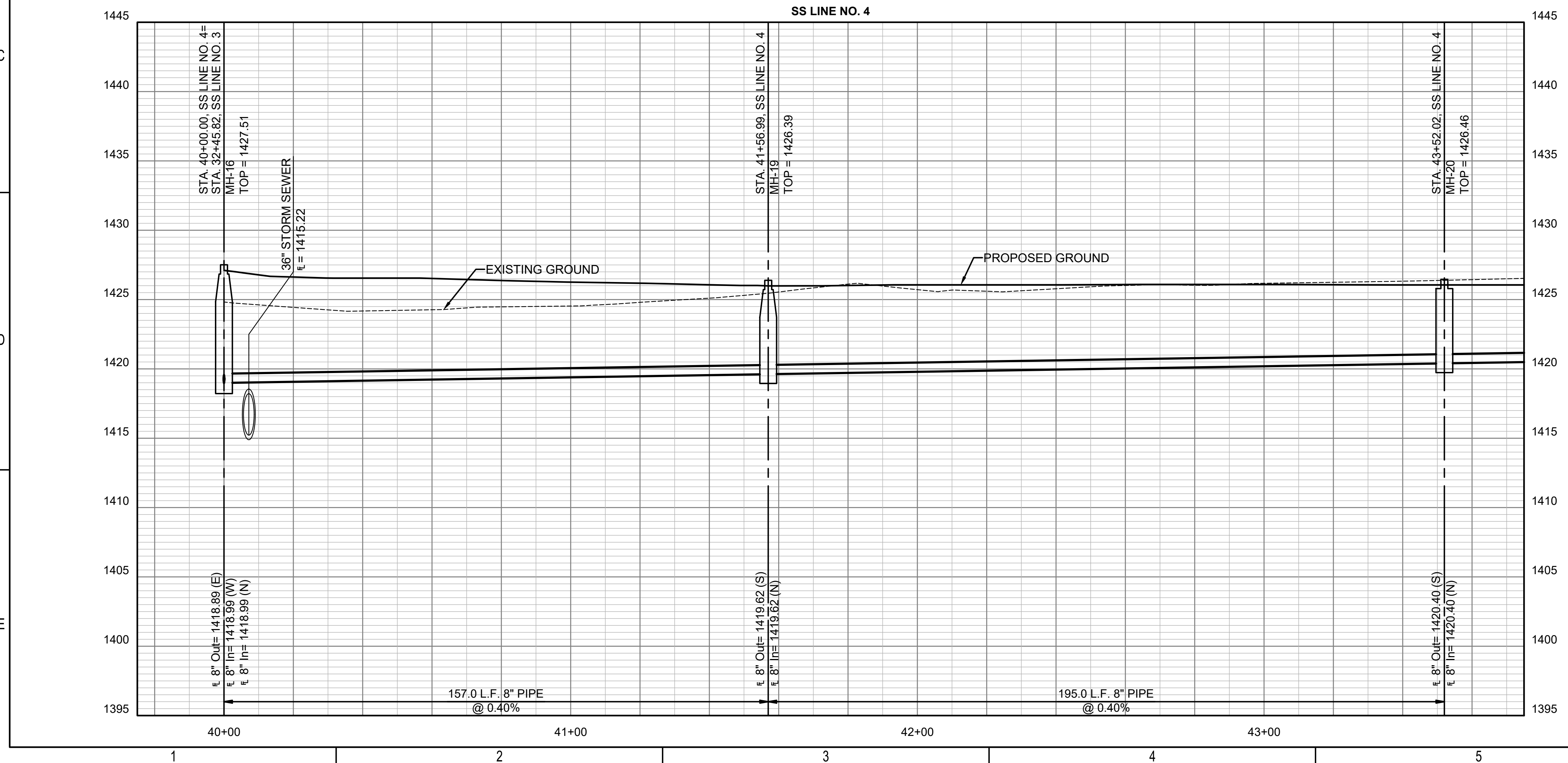
SANITARY SEWER IMPROVEMENTS
 TO SERVE
 CYPRESS GLEN 2ND ADDITION

PAUL GUNZELMAN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 468-2024-001201

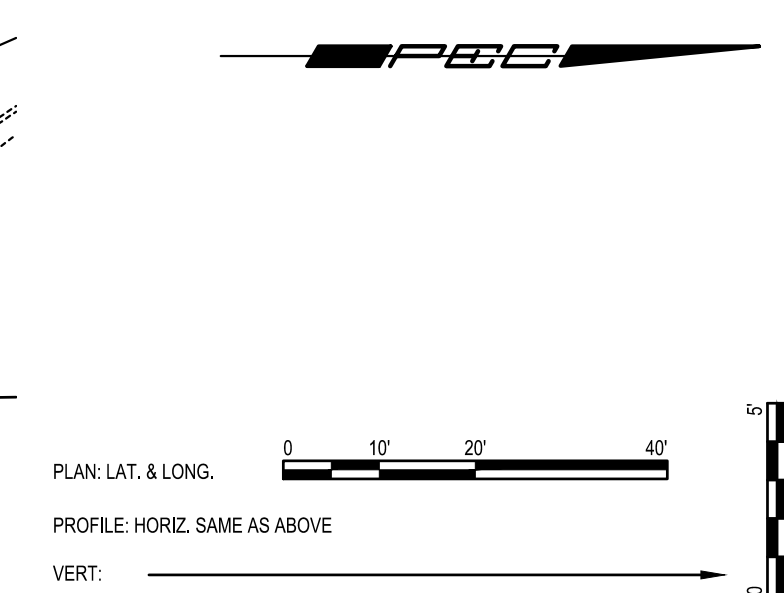
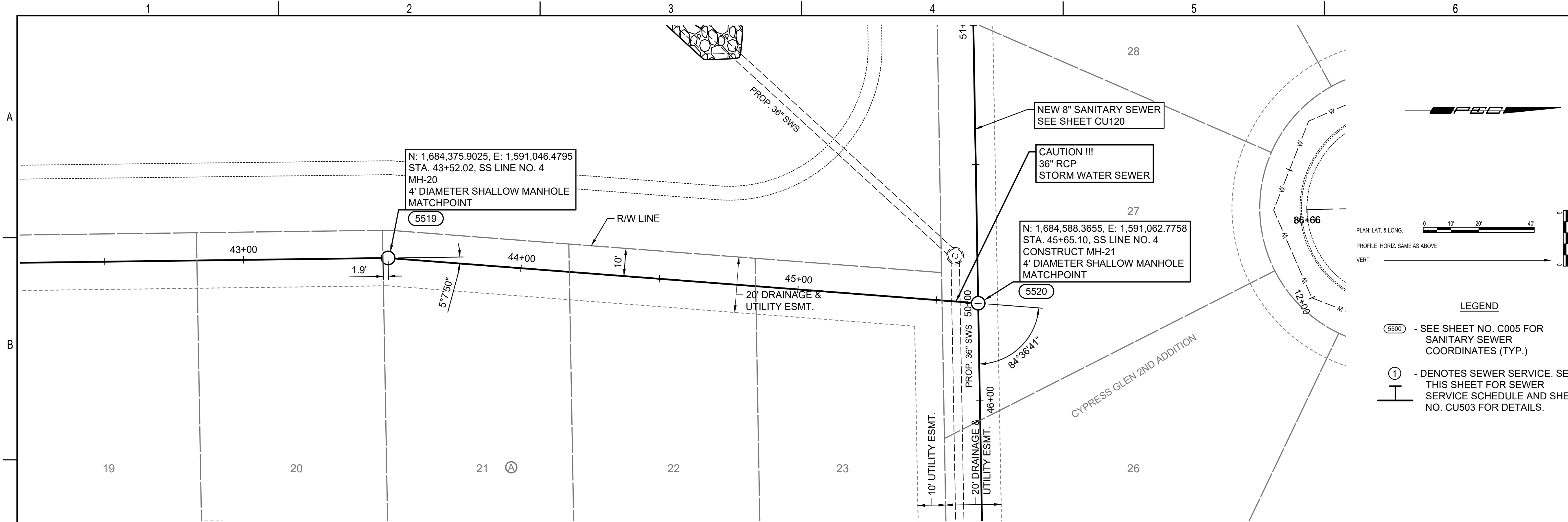
JOB NO.	210975-011
DATE	JULY 2024
PM	KPG
DESIGNED BY	KPG
DRAWN BY	KTD
CHECKED BY	GAS

SANITARY SEWER LINE NO. 4

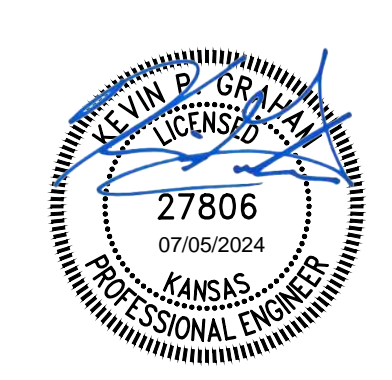
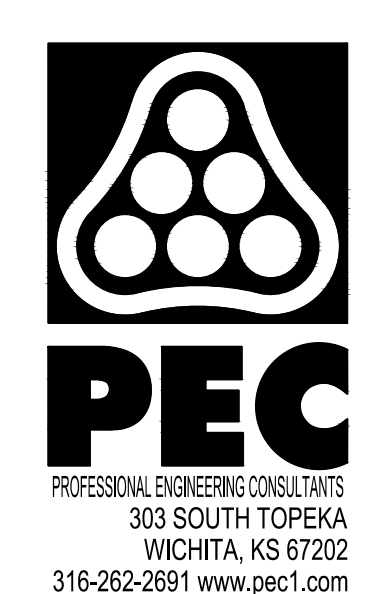
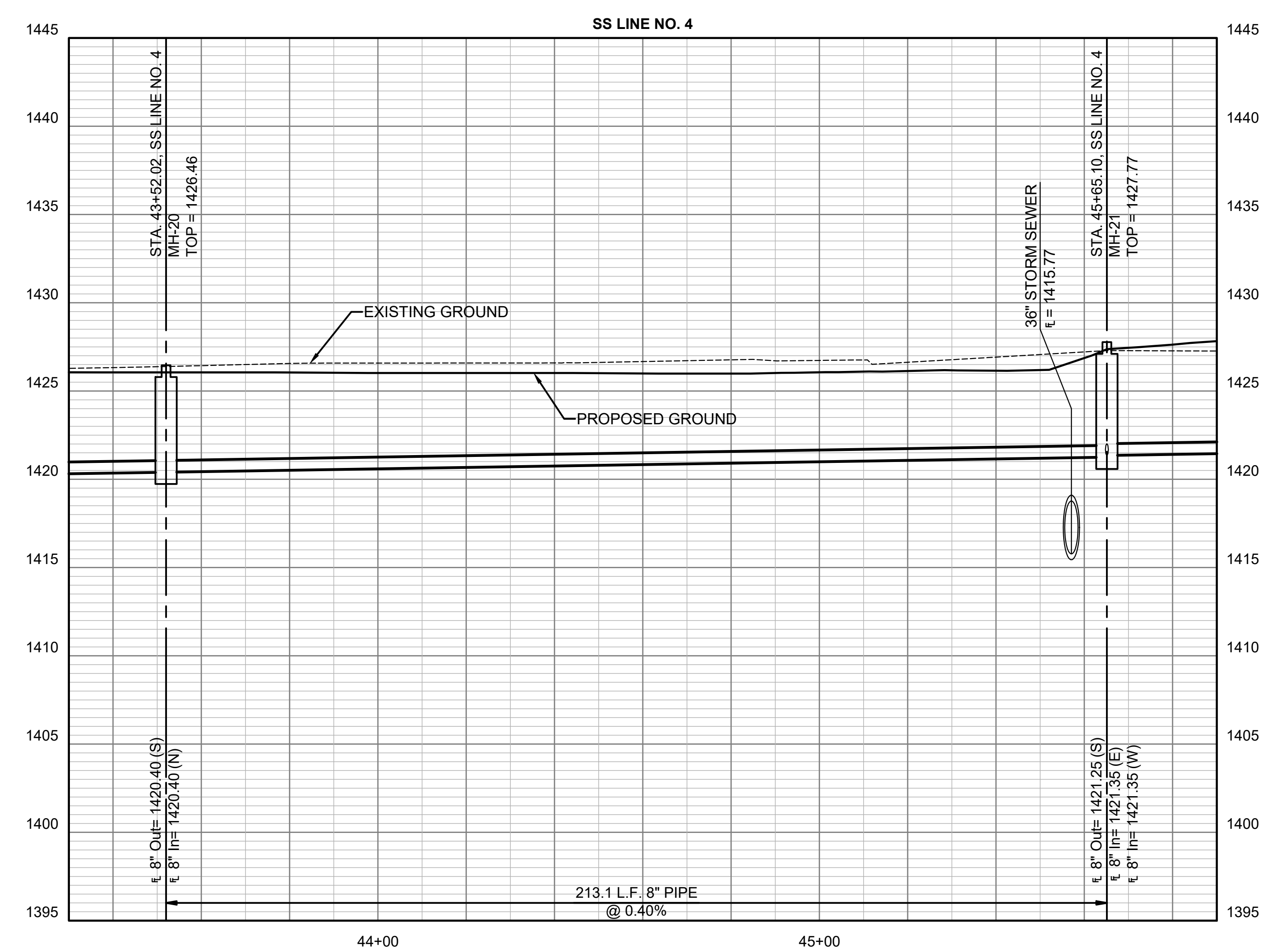
CU114
19 OF 37



SAVED 7/5/2024 9:21:54 AM BY KEVIN GRAHAM
 PLOTTED 7/5/2024 12:43:57 PM BY KEVIN GRAHAM
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- LEGEND**
- (5500) - SEE SHEET NO. C005 FOR SANITARY SEWER COORDINATES (TYP.)
 - ① - DENOTES SEWER SERVICE. SEE THIS SHEET FOR SEWER SERVICE SCHEDULE AND SHEET NO. CU503 FOR DETAILS.

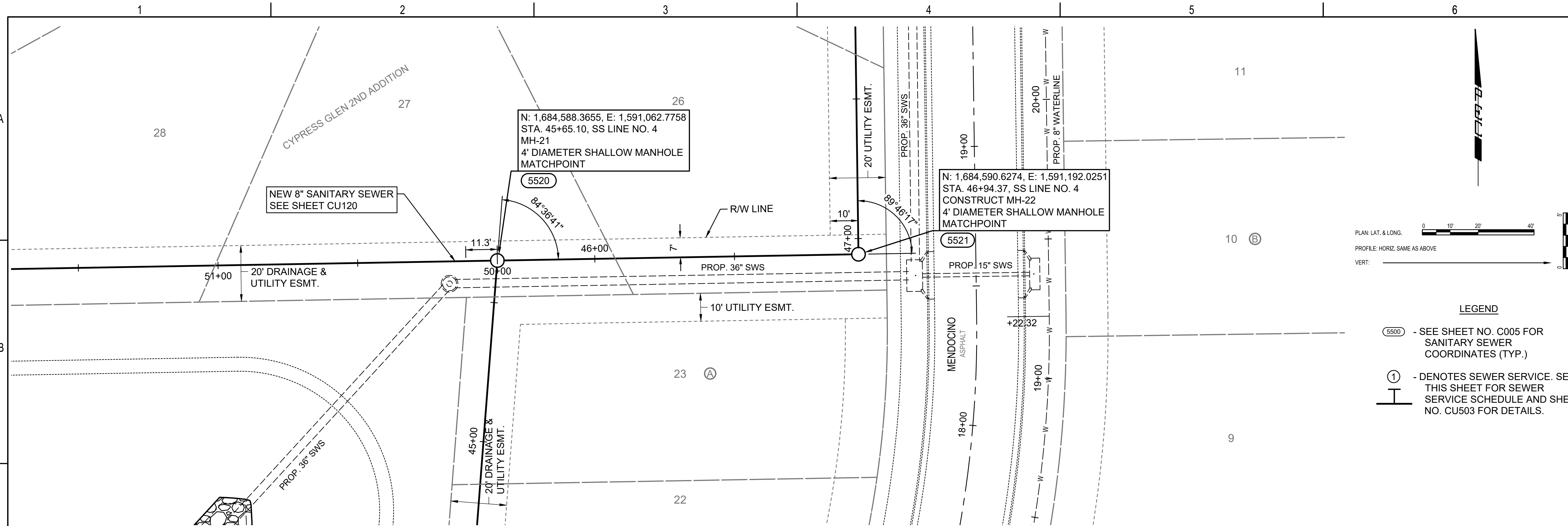


SANITARY SEWER IMPROVEMENTS
 TO SERVE
CYPRESS GLEN 2ND ADDITION
 PAUL GUNZELMAN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 468-2024-001201

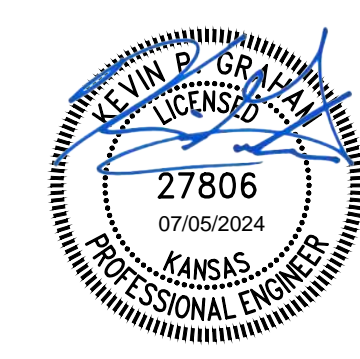
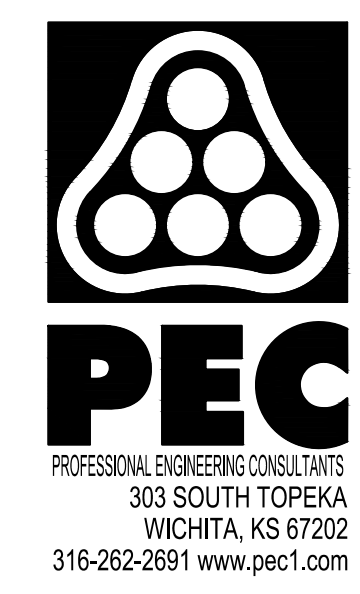
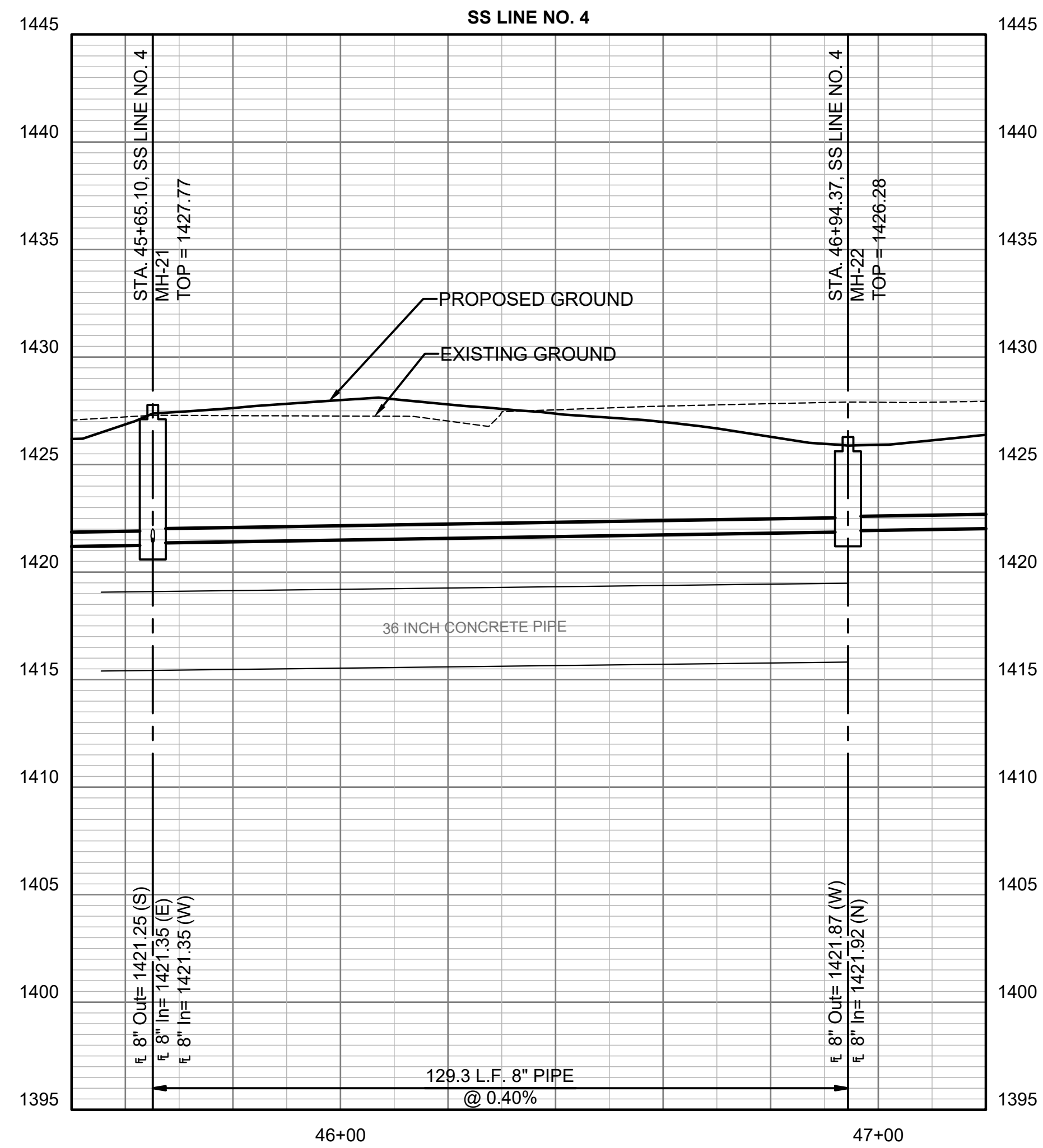
JOB NO.	210975-011
DATE	JULY 2024
PM	KPG
DESIGNED BY	KPG
DRAWN BY	KTD
CHECKED BY	GAS

SANITARY SEWER LINE NO. 4

SAVED 7/5/2024 9:26:06 AM BY KEVIN GRAHAM
 PLOTTED 7/5/2024 12:44:22 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2024\210975010\PEC\DRAWINGS\SANITARY PHASE 2\210975-011-CU116.DWG



- LEGEND**
- 5500 - SEE SHEET NO. C005 FOR SANITARY SEWER COORDINATES (TYP.)
 - ① - DENOTES SEWER SERVICE. SEE THIS SHEET FOR SEWER SERVICE SCHEDULE AND SHEET NO. CU503 FOR DETAILS.



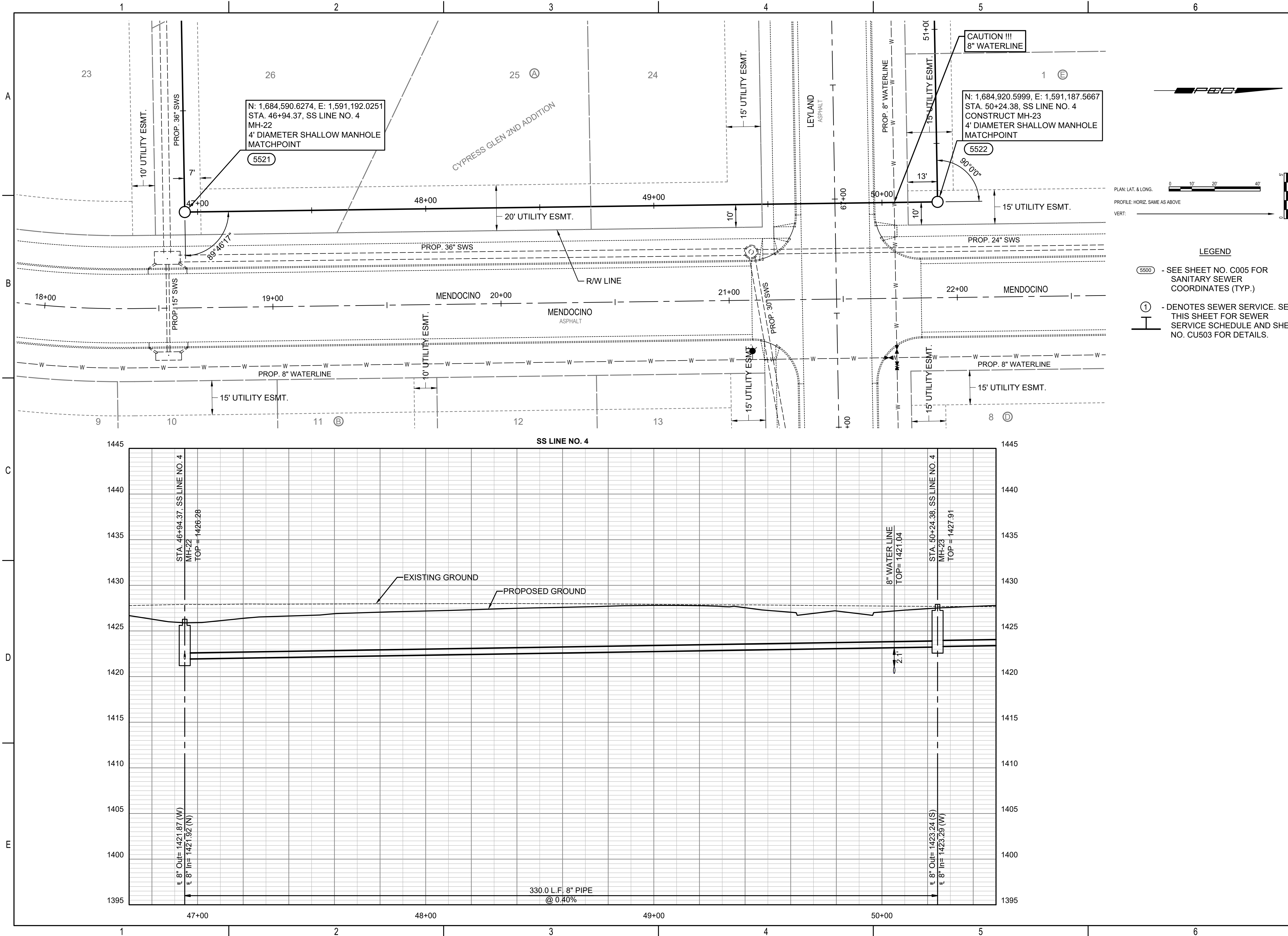
SANITARY SEWER IMPROVEMENTS
 TO SERVE
CYPRESS GLEN 2ND ADDITION
 PAUL GUNZELMAN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 468-2024-001201

JOB NO.	210975-011
DATE	JULY 2024
PM	KPG
DESIGNED BY	KPG
DRAWN BY	KTD
CHECKED BY	GAS

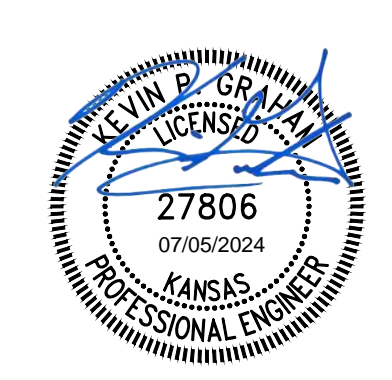
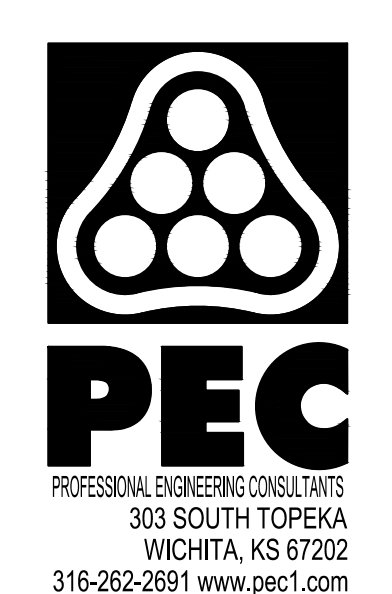
SANITARY SEWER LINE NO. 4

CU116
 21 OF 37

SAVED 7/5/2024 9:34:21 AM BY KEVIN GRAHAM
 PLOTTED 7/5/2024 12:44:47 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2021\210975010\PEC\DRAWINGS\SANITARY PHASE 2\210975-011-CU117.DWG



- LEGEND**
- (5500) - SEE SHEET NO. C005 FOR SANITARY SEWER COORDINATES (TYP.)
 - ① - DENOTES SEWER SERVICE. SEE THIS SHEET FOR SEWER SERVICE SCHEDULE AND SHEET NO. CU503 FOR DETAILS.

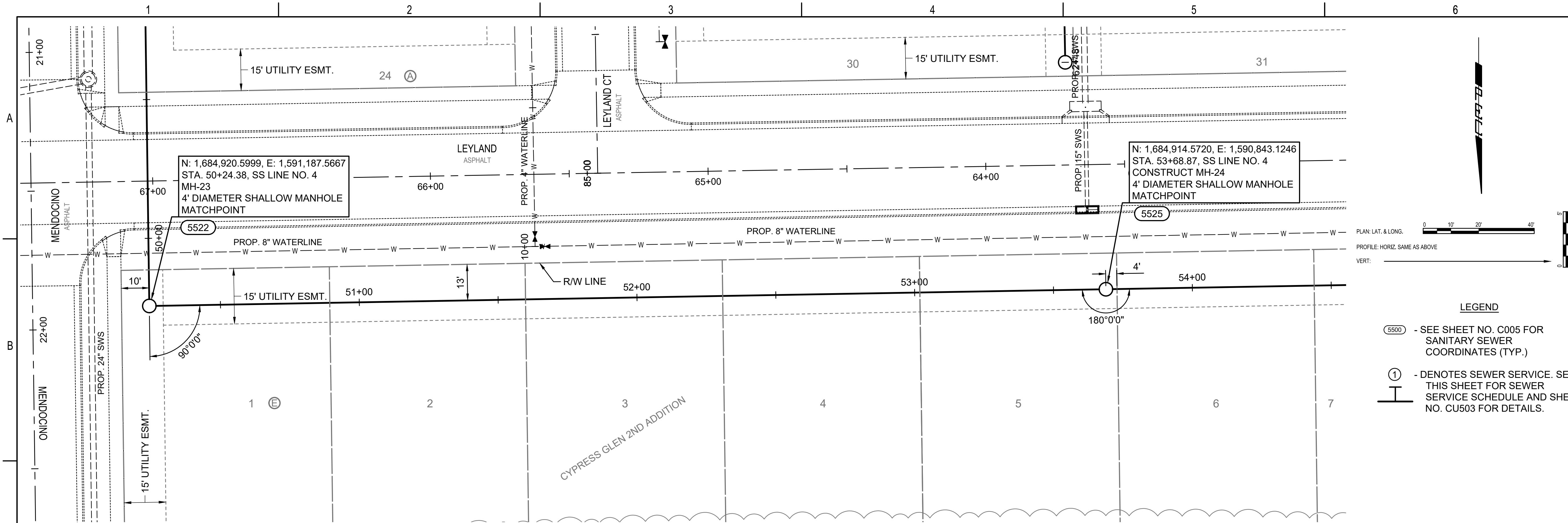


SANITARY SEWER IMPROVEMENTS
 TO SERVE
CYPRESS GLEN 2ND ADDITION
 PAUL GUNZELMAN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 468-2024-001201

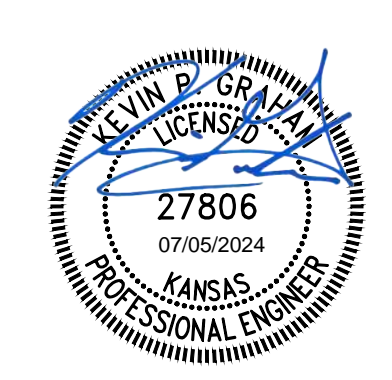
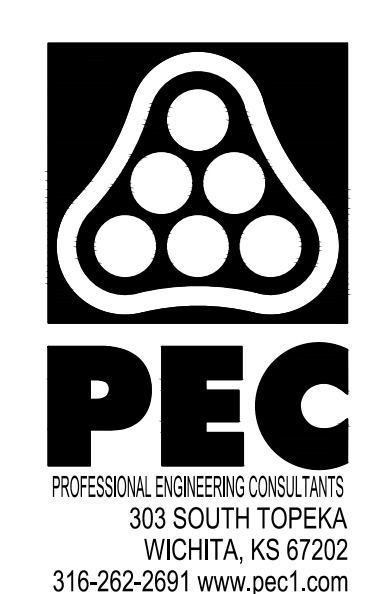
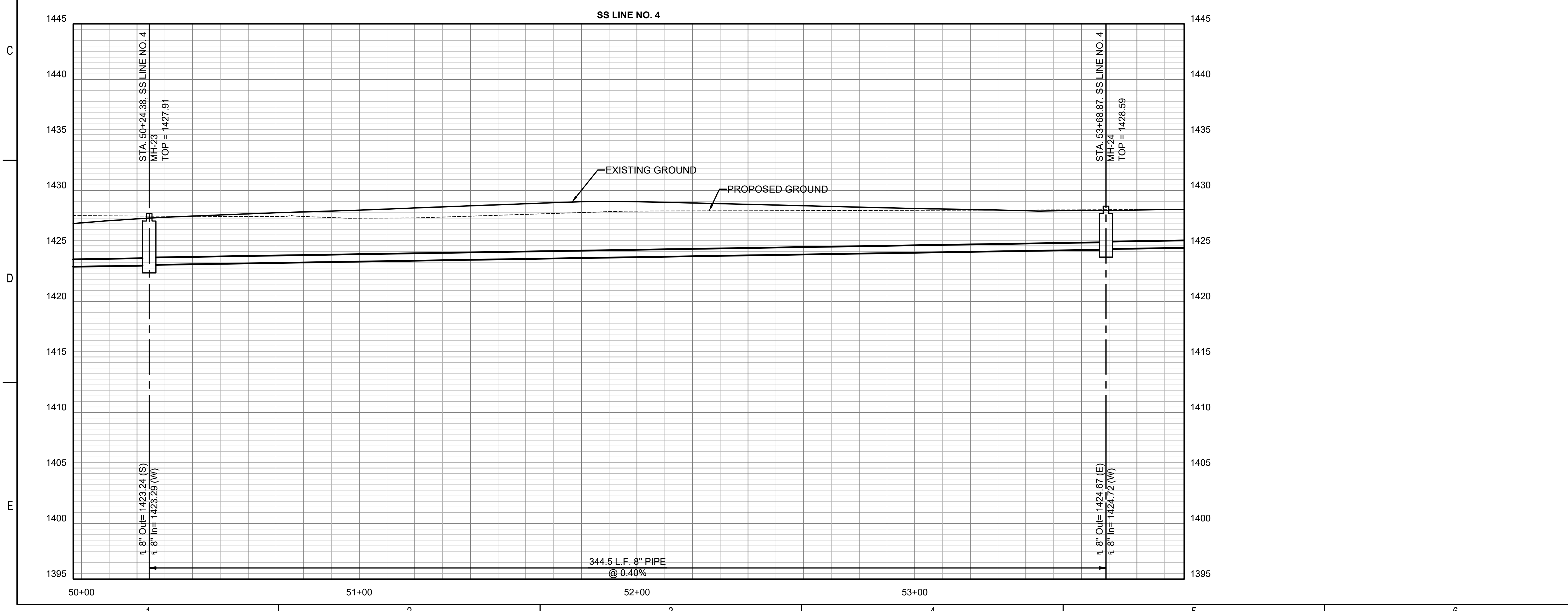
JOB NO.	210975-011
DATE	JULY 2024
PM	KPG
DESIGNED BY	KPG
DRAWN BY	KTD
CHECKED BY	GAS

SANITARY SEWER LINE NO. 4

SAVED 7/5/2024 9:55:47 AM BY KEVIN GRAHAM
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 U:\WICHITA-CIVIL\2024\1210975010\PECDRAWINGS\SANITARY PHASE 2\10975-011-CU118.DWG



- LEGEND**
- (5500) - SEE SHEET NO. C005 FOR SANITARY SEWER COORDINATES (TYP.)
 - ① - DENOTES SEWER SERVICE. SEE THIS SHEET FOR SEWER SERVICE SCHEDULE AND SHEET NO. CU503 FOR DETAILS.

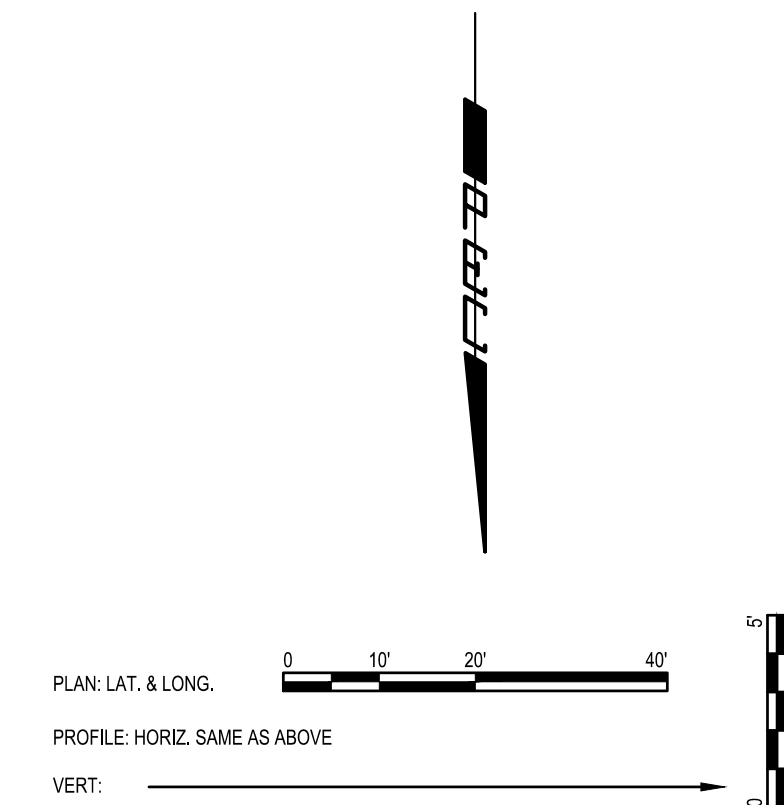
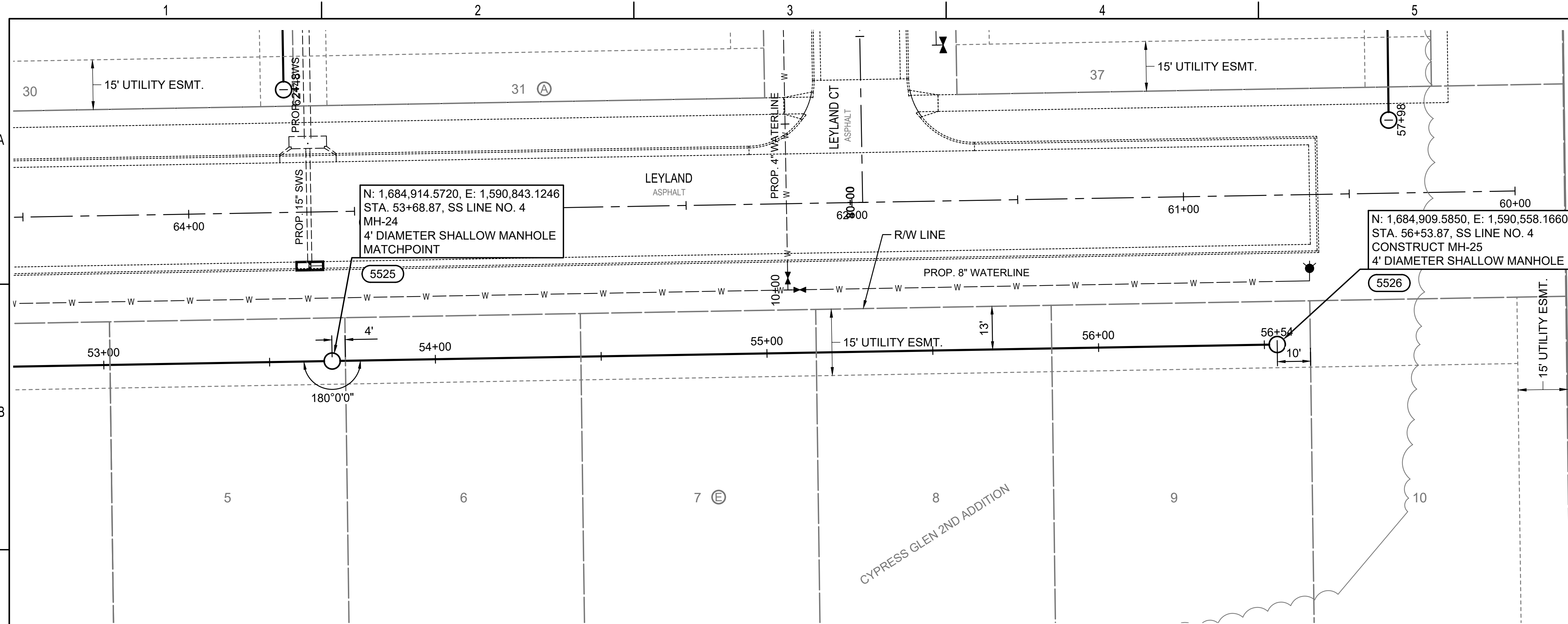


SANITARY SEWER IMPROVEMENTS
 TO SERVE
CYPRESS GLEN 2ND ADDITION
 PAUL GUNZELMAN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 468-2024-001201

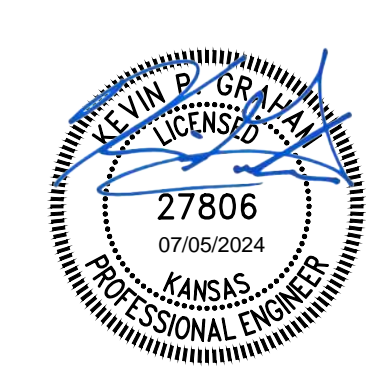
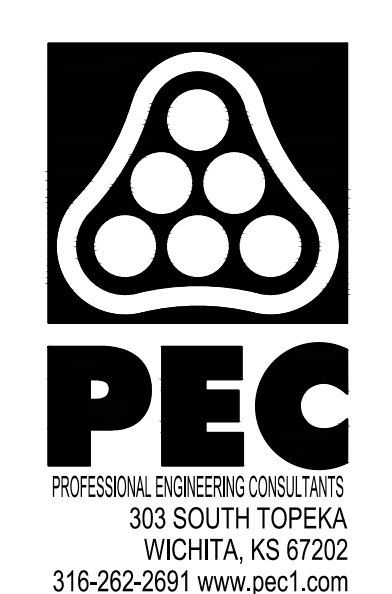
JOB NO.	210975-011
DATE	JULY 2024
PM	KPG
DESIGNED BY	KPG
DRAWN BY	KTD
CHECKED BY	GAS

SANITARY SEWER LINE NO. 4

SAVED 7/5/2024 9:57:22 AM BY KEVIN GRAHAM
 PLOTTED 7/5/2024 12:45:37 PM BY KEVIN GRAHAM
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- LEGEND**
- (5500) - SEE SHEET NO. C005 FOR SANITARY SEWER COORDINATES (TYP.)
 - ① - DENOTES SEWER SERVICE. SEE THIS SHEET FOR SEWER SERVICE SCHEDULE AND SHEET NO. CU503 FOR DETAILS.

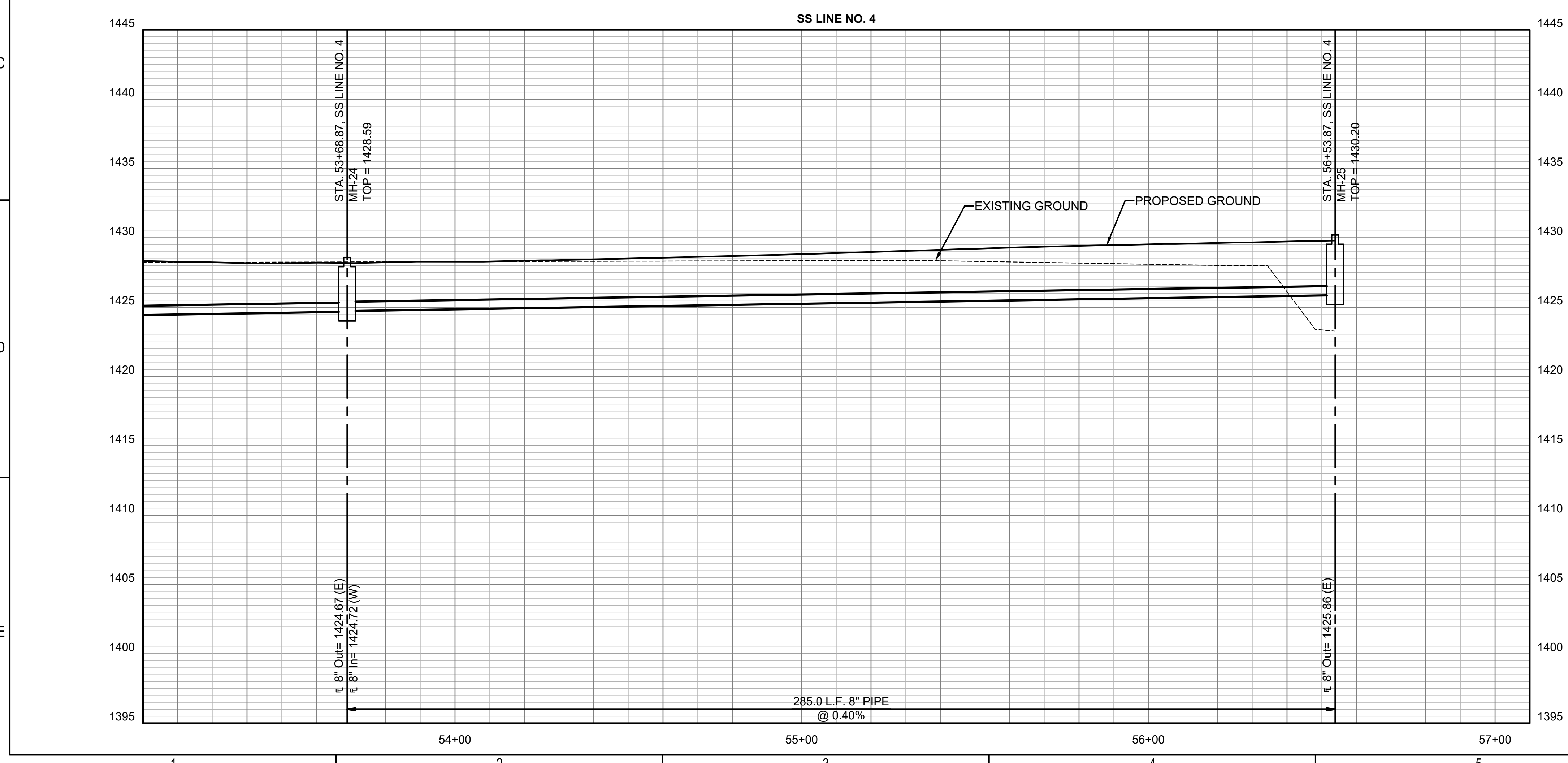


SANITARY SEWER IMPROVEMENTS
 TO SERVE
CYPRESS GLEN 2ND ADDITION
 PAUL GUNZELMAN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 468-2024-001201

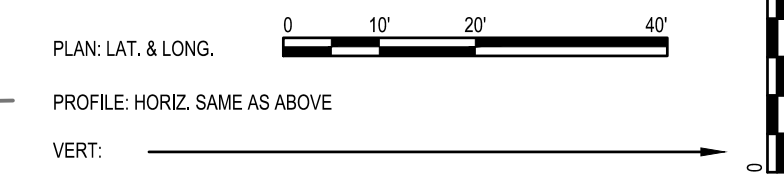
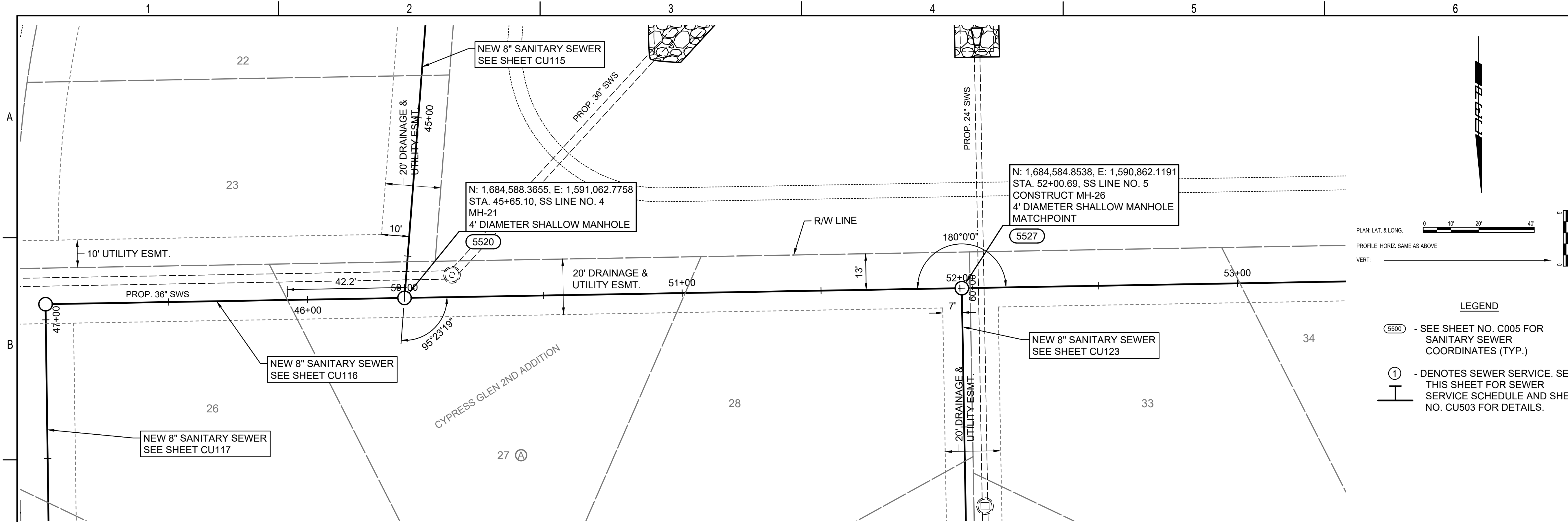
JOB NO.	210975-011
DATE	JULY 2024
PM	KPG
DESIGNED BY	KPG
DRAWN BY	KTD
CHECKED BY	GAS

SANITARY SEWER LINE NO. 4

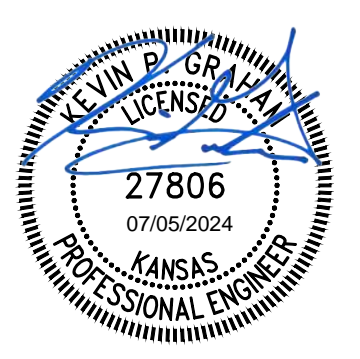
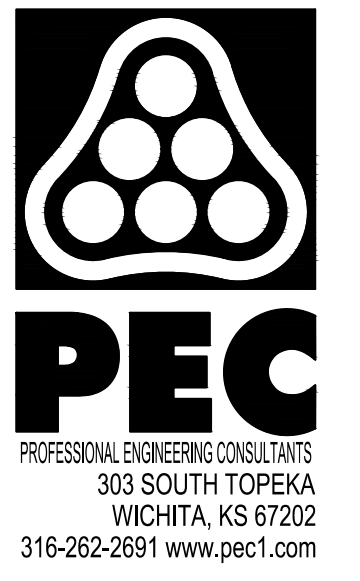
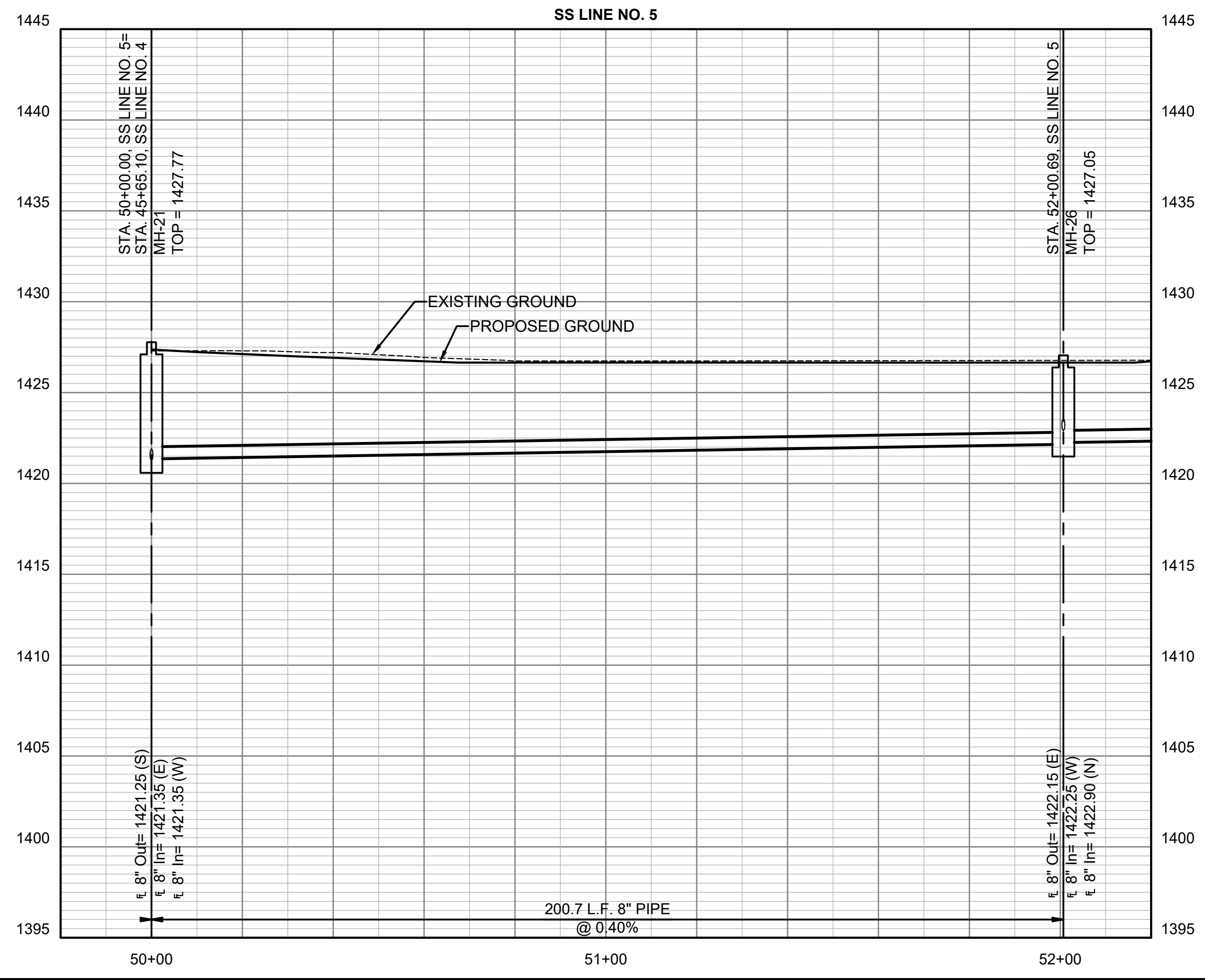
CU119
 24 OF 37



SAVED 7/5/2024 10:12:47 AM BY KEVIN GRAHAM
 PLOTTED 7/5/2024 12:46:05 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2024\210975\010\PECDRAWINGS\SANITARY PHASE 2\210975-011-CU120.DWG



- LEGEND**
- (5500) - SEE SHEET NO. C005 FOR SANITARY SEWER COORDINATES (TYP.)
 - ① - DENOTES SEWER SERVICE. SEE THIS SHEET FOR SEWER SERVICE SCHEDULE AND SHEET NO. CU503 FOR DETAILS.



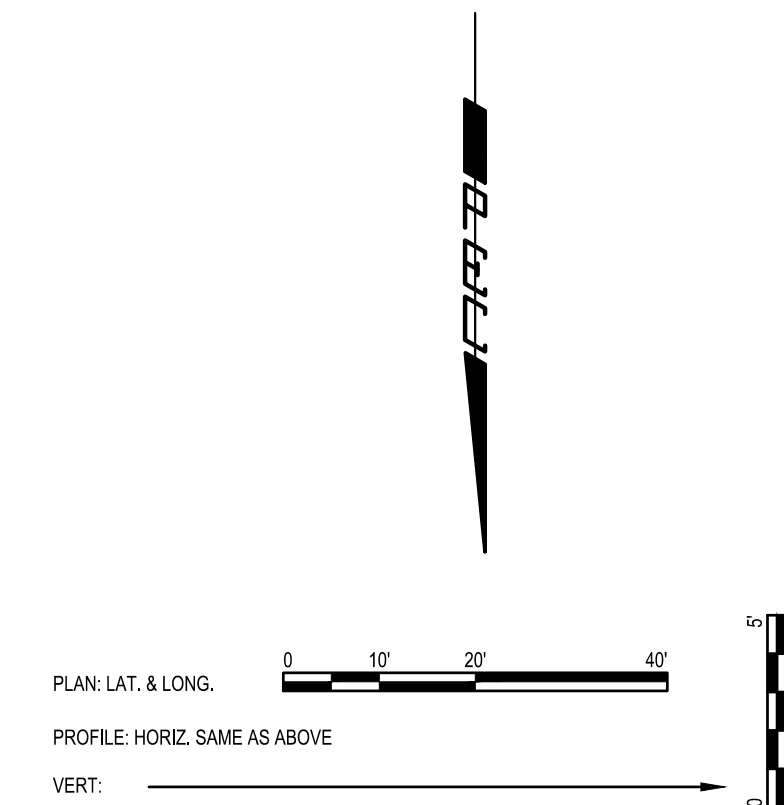
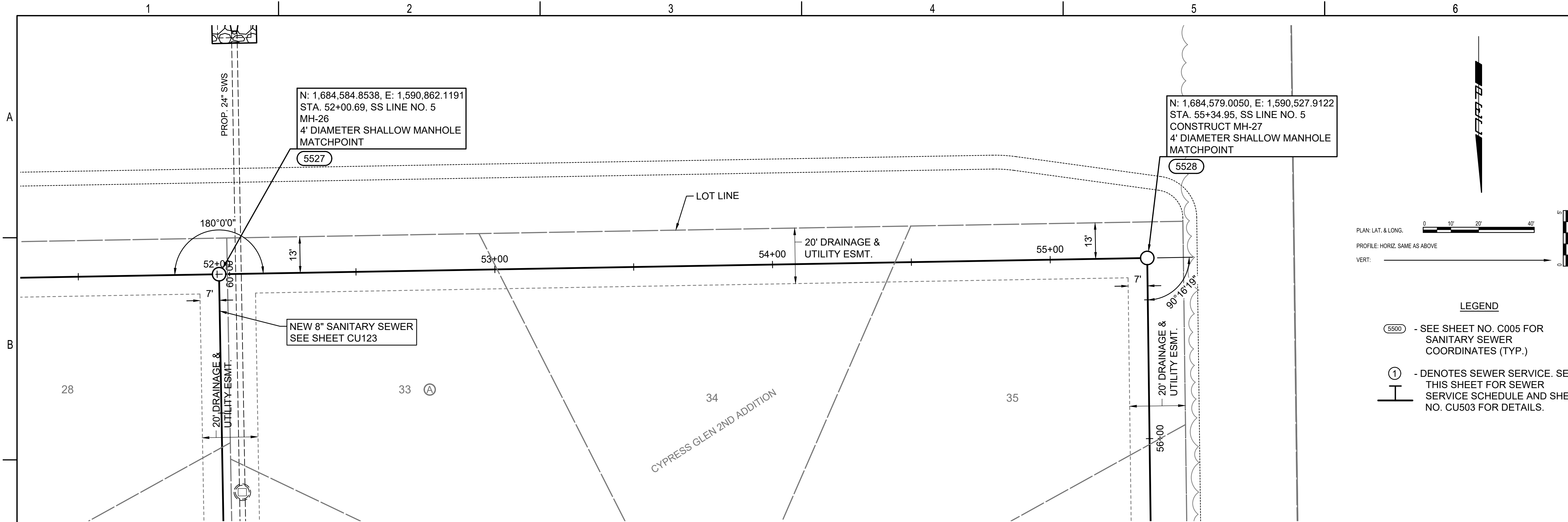
SANITARY SEWER IMPROVEMENTS
 TO SERVE
CYPRESS GLEN 2ND ADDITION
 PAUL GUNZELMAN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 468-2024-001201

JOB NO.	210975-011
DATE	JULY 2024
PM	KPG
DESIGNED BY	KPG
DRAWN BY	KTD
CHECKED BY	GAS

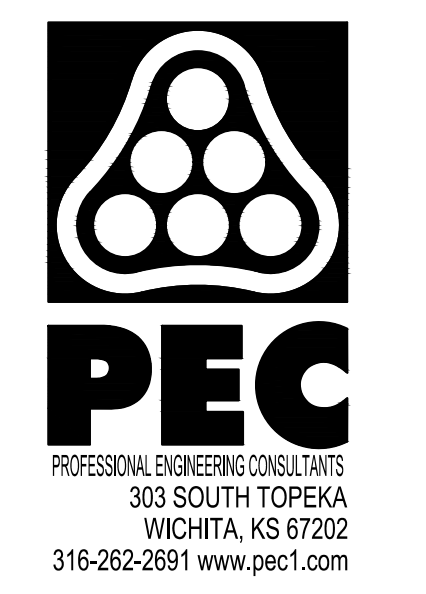
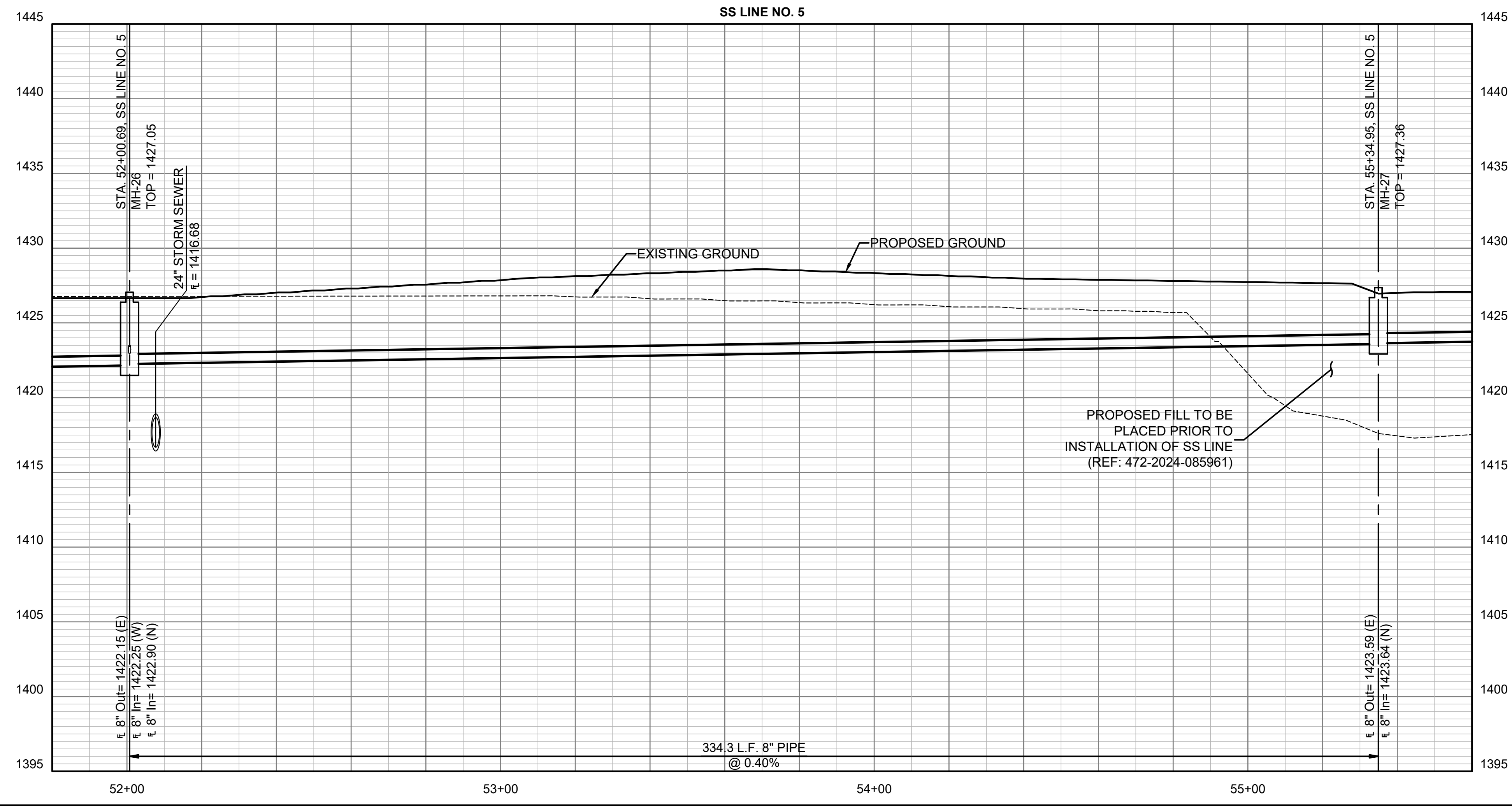
SANITARY SEWER LINE NO. 5

CU120
 25 OF 37

SAVED 7/5/2024 10:11:47 AM BY KEVIN GRAHAM
 PLOTTED 7/5/2024 12:46:33 PM BY KEVIN GRAHAM
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- LEGEND**
- 5500 - SEE SHEET NO. C005 FOR SANITARY SEWER COORDINATES (TYP.)
 - ① - DENOTES SEWER SERVICE. SEE THIS SHEET FOR SEWER SERVICE SCHEDULE AND SHEET NO. CU503 FOR DETAILS.

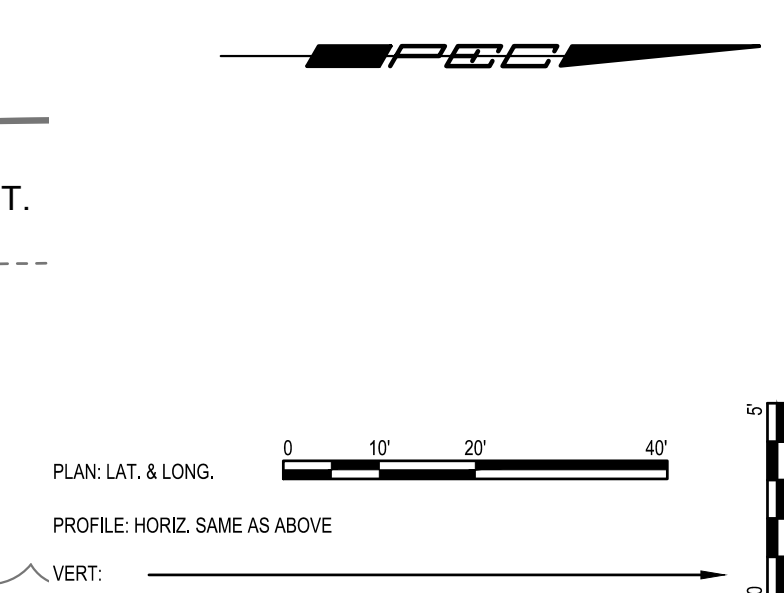
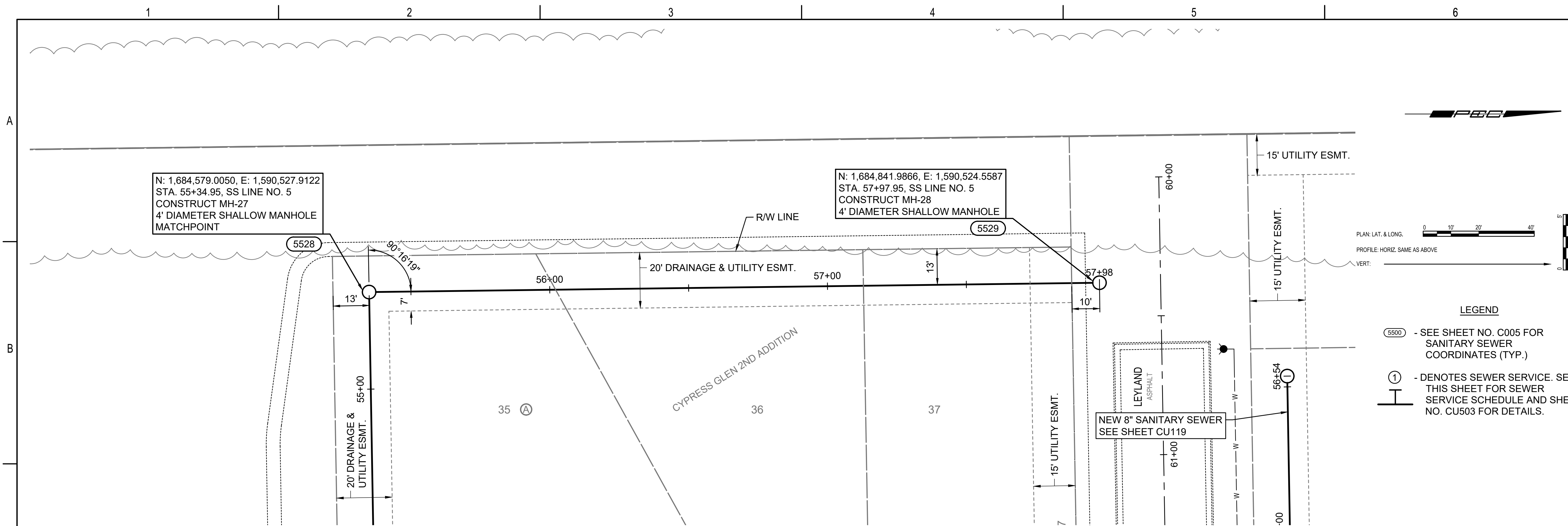


SANITARY SEWER IMPROVEMENTS
 TO SERVE
CYPRESS GLEN 2ND ADDITION
 PAUL GUNZELMAN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 468-2024-001201

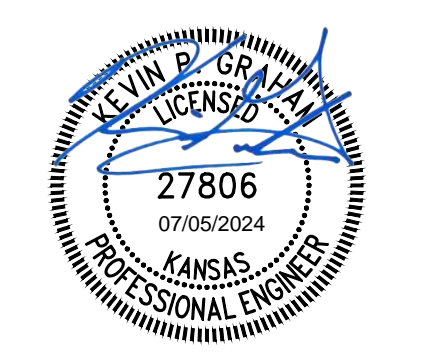
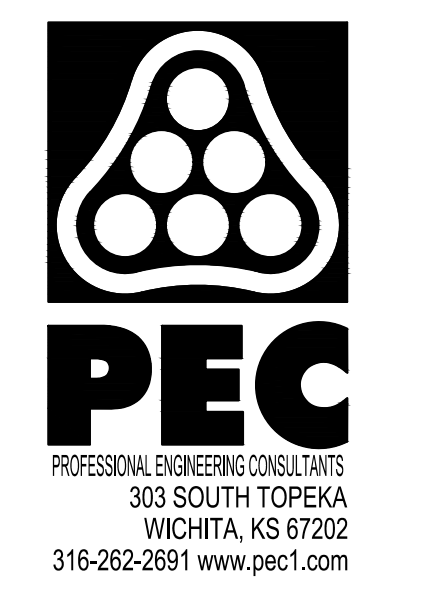
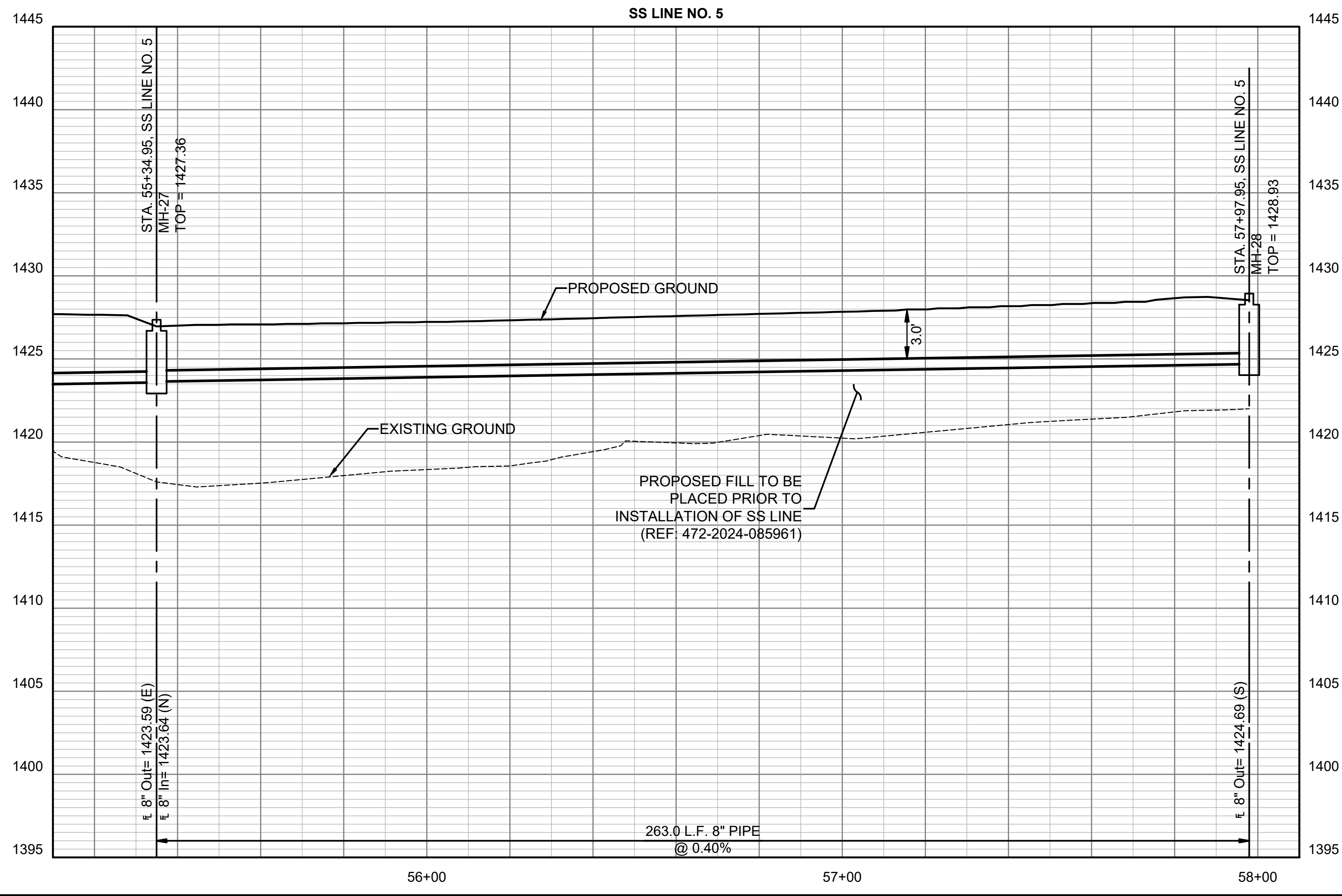
JOB NO.	210975-011
DATE	JULY 2024
PM	KPG
DESIGNED BY	KPG
DRAWN BY	KTD
CHECKED BY	GAS

SANITARY SEWER LINE NO. 5

SAVED 7/5/2024 10:10:40 AM BY KEVIN GRAHAM
 PLOTTED 7/5/2024 12:47:02 PM BY KEVIN GRAHAM
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- LEGEND**
- (5500) - SEE SHEET NO. C005 FOR SANITARY SEWER COORDINATES (TYP.)
 - ① - DENOTES SEWER SERVICE. SEE THIS SHEET FOR SEWER SERVICE SCHEDULE AND SHEET NO. CU503 FOR DETAILS.



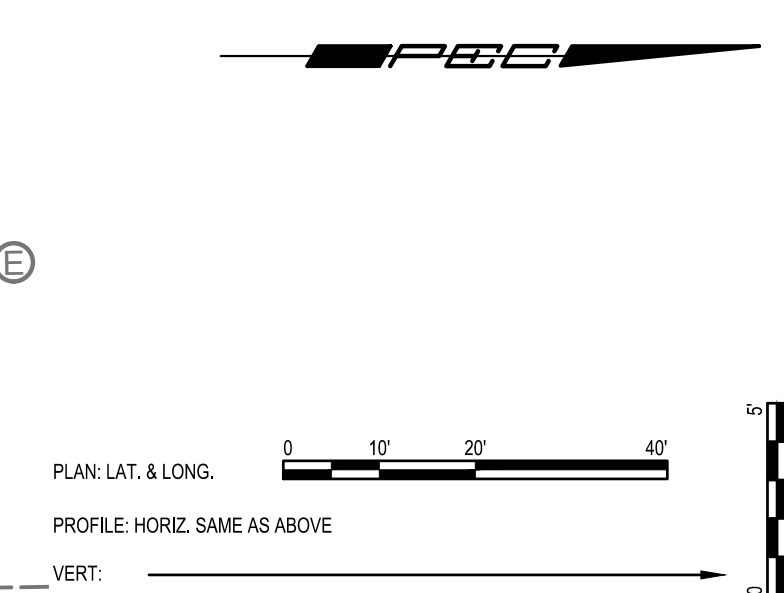
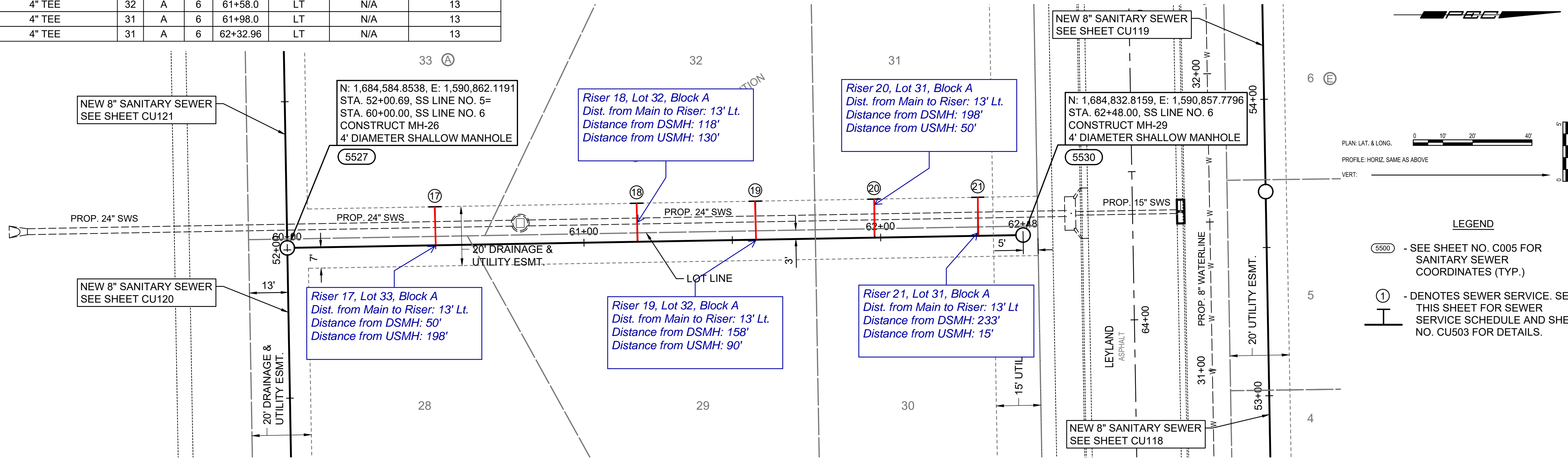
SANITARY SEWER IMPROVEMENTS
 TO SERVE
CYPRESS GLEN 2ND ADDITION
 PAUL GUNZELMAN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 468-2024-001201

JOB NO.	210975-011
DATE	JULY 2024
PM	KPG
DESIGNED BY	KPG
DRAWN BY	KTD
CHECKED BY	GAS

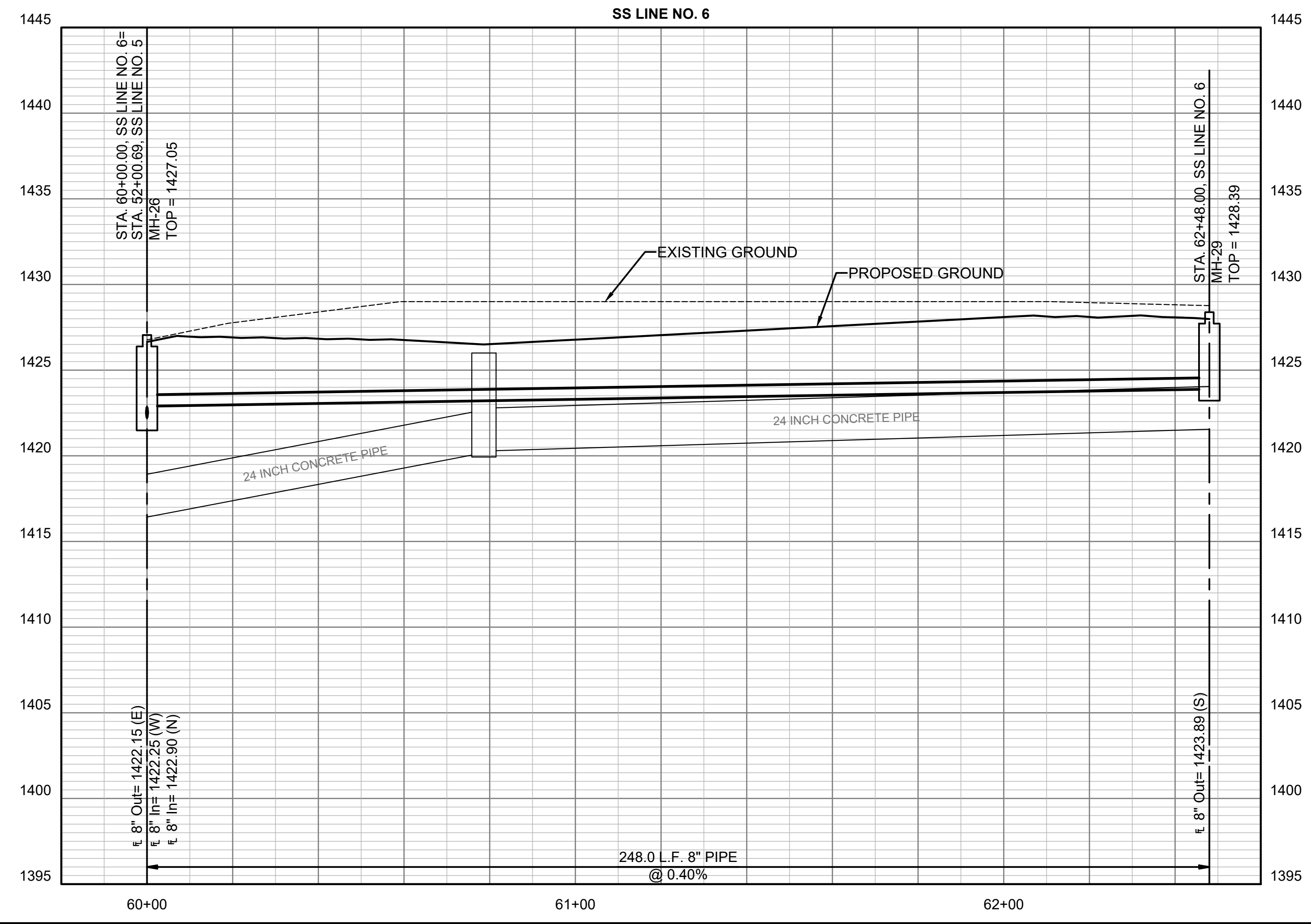
SANITARY SEWER LINE NO. 5

CU122
 27 OF 37

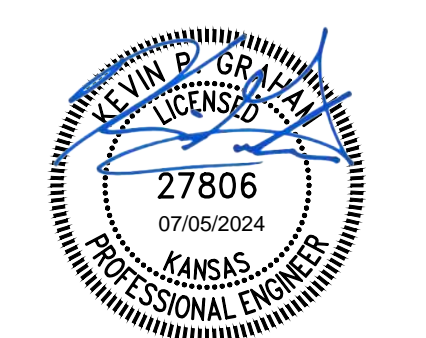
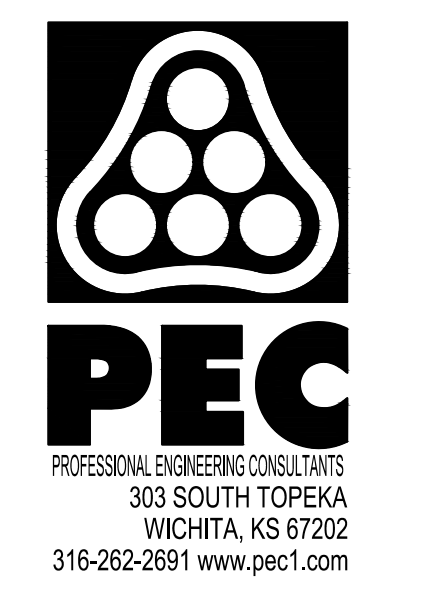
SANITARY SEWER RISER TABLE								
NUMBER	TYPE	LOT NO.	BLOCK NO.	LINE NO.	STATION	DIRECTION	APPROXIMATE VERTICAL (FT)	APPROXIMATE HORIZONTAL (FT)
17	4" TEE	33	A	6	60+50.0	LT	N/A	13
18	4" TEE	32	A	6	61+18.0	LT	N/A	13
19	4" TEE	32	A	6	61+58.0	LT	N/A	13
20	4" TEE	31	A	6	61+98.0	LT	N/A	13
21	4" TEE	31	A	6	62+32.96	LT	N/A	13



- LEGEND**
- (5500) - SEE SHEET NO. C005 FOR SANITARY SEWER COORDINATES (TYP.)
 - ① - DENOTES SEWER SERVICE. SEE THIS SHEET FOR SEWER SERVICE SCHEDULE AND SHEET NO. CU503 FOR DETAILS.



SAVED 7/5/2024 9:53:17 AM BY KEVIN GRAHAM
 PLOTTED 7/5/2024 12:47:29 PM BY KEVIN GRAHAM
 U:\WICHITA-CIVIL\2021\210975010\PECDRAWINGS\SANITARY PHASE 2\210975-011-CU123.DWG



SANITARY SEWER IMPROVEMENTS
 TO SERVE
CYPRESS GLEN 2ND ADDITION
 PAUL GUNZELMAN, P.E. - CITY ENGINEER
 CITY OF WICHITA PROJECT NO. 468-2024-001201

JOB NO.	210975-011
DATE	JULY 2024
PM	KPG
DESIGNED BY	KPG
DRAWN BY	KTD
CHECKED BY	GAS

SANITARY SEWER LINE NO. 6