

# GENERAL NOTES:

1. The Contractor shall comply with all applicable safety regulations. All construction shall be completed following current City Standard Specifications and Special Provisions.

2. Contractor will be required to provide notice to utility companies a minimum of seventy-two (72) hours prior to any excavation, as follows:

Kansas One-Call 687-2470

The Contractor must notify the following in case of an emergency:

AT&T 1-800-246-8464  
 Black Hills Energy 1-800-694-8989  
 City of Wichita Water & Sewer 1-316-219-8921  
 City of Wichita Stormwater 1-316-268-4090  
 City of Wichita Traffic 1-316-268-4034  
 Cox Communications 1-888-249-3530  
 Kansas Gas Service 1-888-482-4950  
 Energy 1-800-544-4857

3. Utility service lines, poles, etc. are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.

4. Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations, in the opinion of the Engineer, that will leave an unsightly appearance will not be approved. All disposal sites must be approved by the Kansas Department of Health and Environment. Material either stockpiled or disposed of in a flood plain will require a Kansas State Board of Agriculture permit. Any material dumped in waters of the United States or wetlands is subject to U.S. Corps. of Engineers permitting regulations. Any material buried or stockpiled beyond approved construction limits will require additional archaeological investigations unless buried in a previously approved borrow location.

5. Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the City Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.

6. The Contractor shall give all property owners and/or tenants of developed property abutting the construction of this project a minimum of ten (10) days notice prior to start of construction.

7. The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state laws.

8. All elevations shown are NAVD88.

9. All stubs and capped pipes shall be located with green plastic tape in the same manner as risers.

10. Connecting to Existing Manholes:  
 Prior to laying sewer lines using existing stubs in existing manholes, the Contractor shall expose and verify the elevation, grade and alignment of existing stubs and notify the Engineer of any deviation from the plans. Where the stub is unusable due to elevation grade or alignment, the Contractor shall remove the stub and plug the hole, and reshape the existing manhole invert to provide smooth flow. Where connection to an existing manhole that does not have an existing stub, the Contractor shall core cut into existing manhole wall to make connection using approved water stop gasket, and reshape the existing manhole invert to provide smooth flow. The cost of connect to existing manholes is incidental to the project.

11. Contractor shall limit the extent of trench open overnight and weekends to less than 50 feet.

12. Contractor shall provide positive drainage away from all manhole covers.

13. The Contractor shall prevent any construction debris from entering the existing sanitary sewer during construction.

14. The Contractor shall protect from damage and support existing utilities through construction as approved by the utility owner and the Engineer at the contractor's expense.

15. All areas disturbed during construction are to be seeded as follows:

Seed -- Rye grass; 5 lbs./1000 Sq. Ft.

All costs associated with seeding including mobilization, preparation of ground, seeding, fertilizing, mulching, etc. shall be included in the L.S. bid item "Seeding".

16. All existing and proposed erosion control measures including silt fencing, erosion control mat, straw bales, inlet barriers, and const. entrance shall be maintained throughout construction by the contractor and until project is accepted by the City of Wichita. The on-site engineer shall complete weekly reports on the status of erosion control measures. The contractor shall be required to comply with maintenance and/or replacement of erosion control measures as determined by the on-site engineer until project is accepted by City of Wichita. Maintenance and/or replacement of erosion control measures to be paid by L.S. bid item "Maintain Existing BMPs".

17. All excess excavation shall remain on-site and shall be stockpiled or spread at a location determined by the engineer.

18. Existing trees shall be trimmed/removed ONLY with approval of the Developer. Trimming of overhanging limbs will be permitted only with chainsaws. Trees not in direct conflict with new construction shall remain and be protected from damage. Prior to the start of construction, the Contractor shall schedule an on-site meeting with the Developer to discuss treed areas. All trimming and/or removal shall be included in bid item "Site Clearing".

19. The developer for this project is Jay W. Russell, P.O. Box 75337, Wichita, KS 67272 (316)722-2417 j@russellco.com and Ritchie Development, Jeff Mullen, (316)684-7300.

## Benchmarks

BM #1: "+" in entrance on the north side of 53rd St. N., ~890' west of Meridian.  
 Elev. = 1,333.90 (NAVD88)

BM #2: "+" on the south side of manhole rim, 20' east and 5' south of the NW corner of Lot 3, Block B, Northgate 5th Addition.  
 Elev. = 1,335.53 (NAVD 88)

# SANITARY SEWER IMPROVEMENTS

to serve

# NORTHGATE 5TH ADD. - Ph. 2

## CITY OF WICHITA, KANSAS

Paul Gunzelman, P.E. Interim City Engineer

Project Number 468-2021-003129

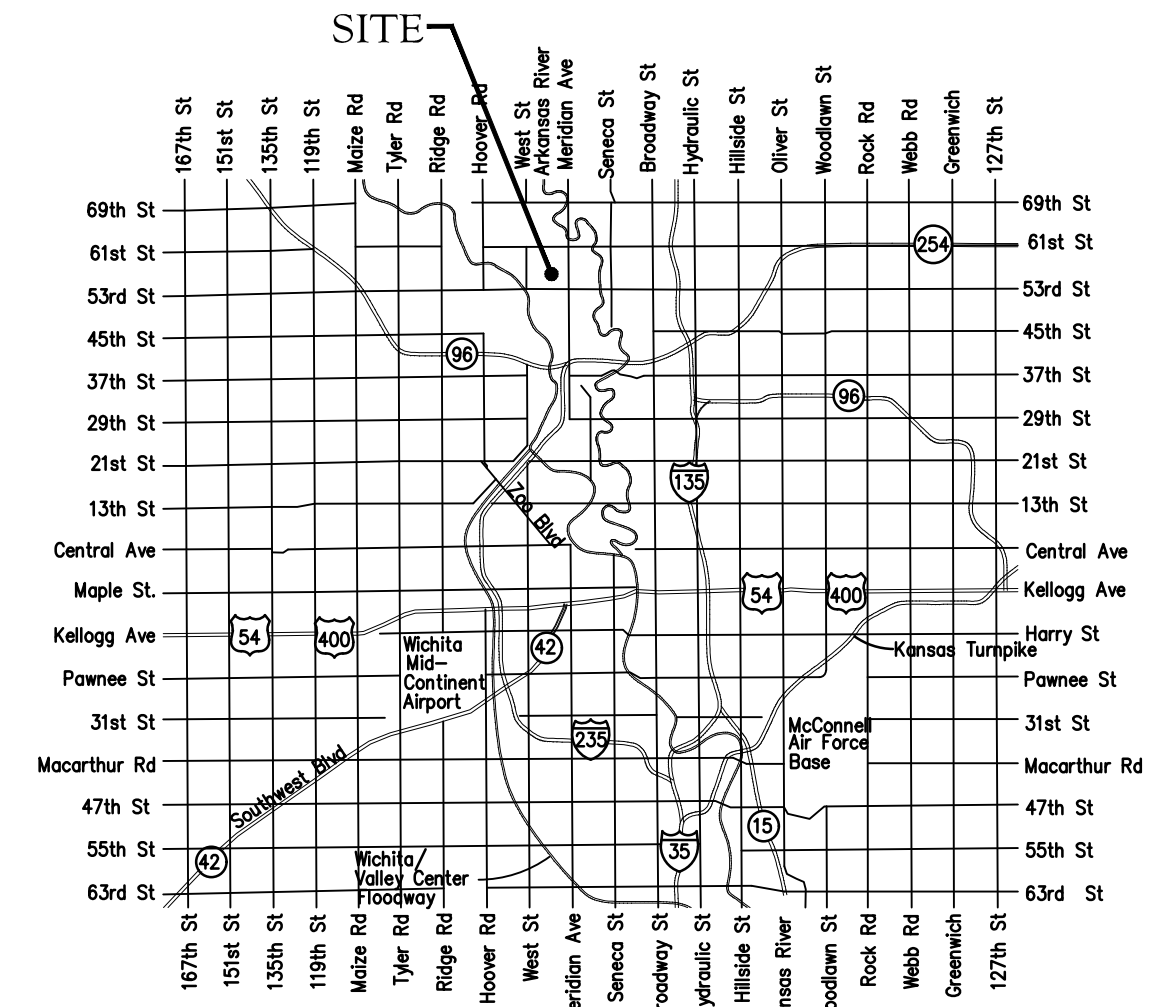
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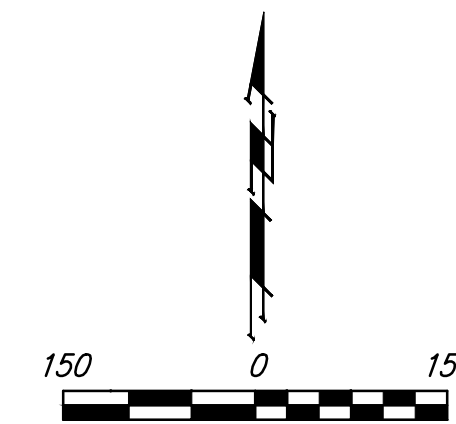
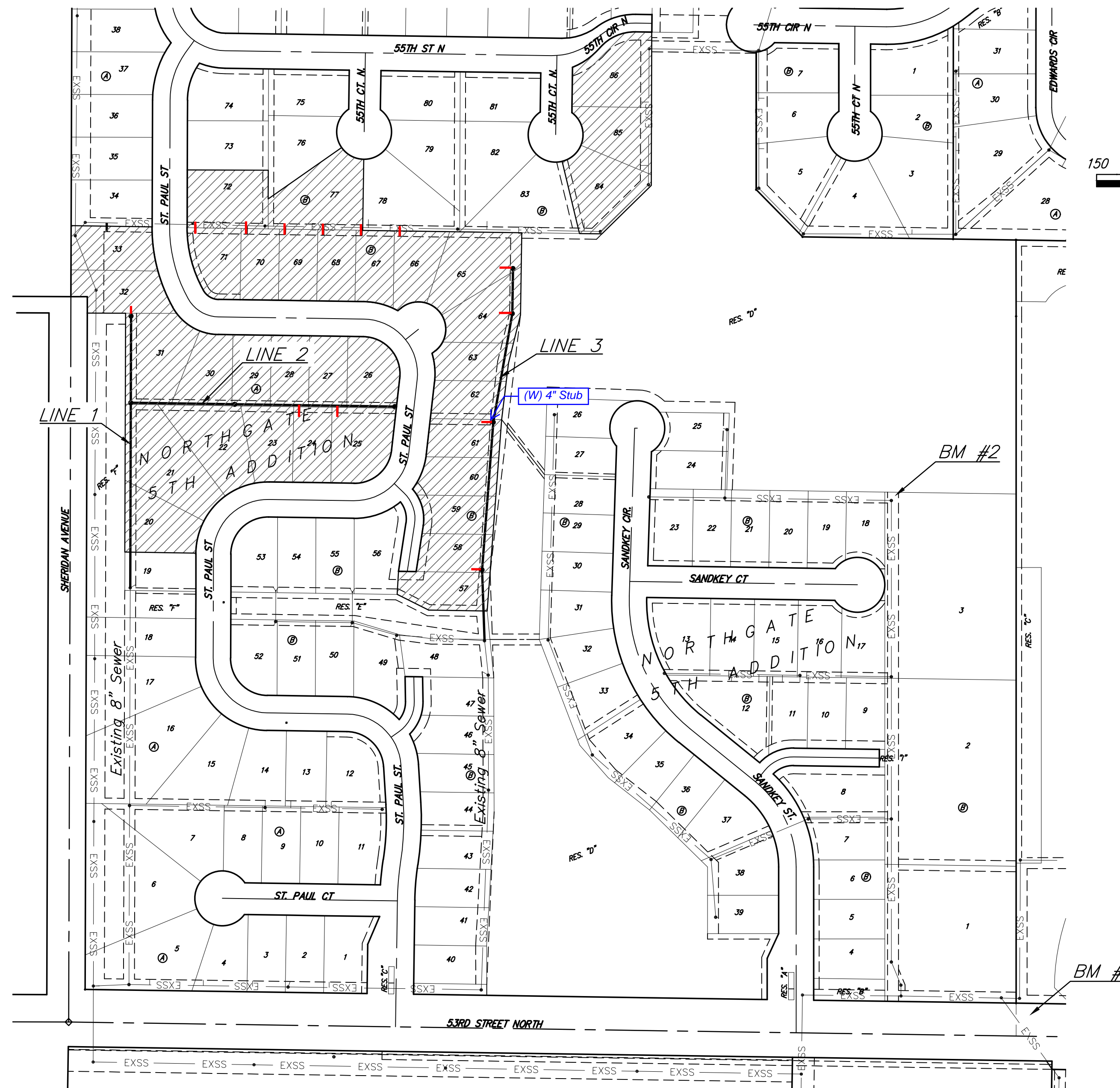
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SS23-10

Dondlinger & Sons - Contractor  
 S. Lowe - City of Wichita, Field Project Engineer  
 R. Carillo - City of Wichita, Inspector  
 As-built  
 Stubs & Risers  
 Release Date: 4/11/2024  
 Completion Date:  
 pdf: apr 4/19/2024



Vicinity Map



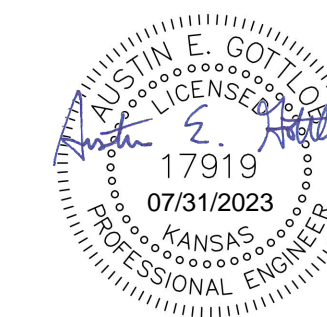
## Sheet Index

Title Sheet	1
Line 1	2
Line 2	3
Line 3	4
Additional Risers	5
Erosion Control & Esmt. Grading Plan	6
Precast SS Manhole Detail	7
Manhole Frame & Cover Detail	8
Vertical Riser Detail	9
Erosion Control BMP Details	10-14
Coordinate Sheet	15
Copy of Plat	16

APPROVED AS NOTED  
 BY WICHITA PUBLIC WORKS ENGINEERING DIVISION

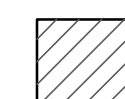
Engineering \_\_\_\_\_

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



July 27, 2023

Benefit District



**BAUGHMAN COMPANY**  
 315 Ellis St. Wichita, KS 67211 316-262-7271  
 BaughmanCo.com



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

## Sanitary Sewer Riser Table

**Project Name:** Northgate 5th, Ph 2 WDS, SWS, SS  
**Project Location:** (north of 53rd Street N & west of Meridian Ave)  
**Project No:** 468-2021-003129  
**MUNIS No:** E3114/47269423  
**Contractor:** Dondlinger & Sons Construction Co  
**Inspector:** Roberto Carrillo

Riser No.	Line No.	Station	Distance from Main to Riser (Lt./Rt.)	Distance from		Comment
				Upstream MH	Downstream MH	
1	1	4+96.4	5'	At MH	At MH	
2	2	3+07.8	13' RT	174.8	117.9	
3	2	3+77.8	13' RT	104.8	187.9	
4	3	1+29.5	5' LT	At MH		
5	3	6+01.6	5' LT	At MH		
6	3	6+83.8	5' LT	At MH		
7		0+39.3	16' RT	298.4	39.3	Existing SS
8		1+96.4	4' LT	132.3	196.4	Existing SS
9		2+01.4	15.5' RT	127.3	201.4	Existing SS
10		2+95.1	15.5' RT	33.6	295.1	Existing SS
11		3+65.1	15.5' RT	315.6	36.4	Existing SS
12		4+35.1	15.5' RT	245.6	106.4	Existing SS
13		5+05.1	15.5' RT	175.6	176.4	Existing SS
14		5+75.1	15.5' RT	105.6	246.4	Existing SS

**BENCHMARKS:**

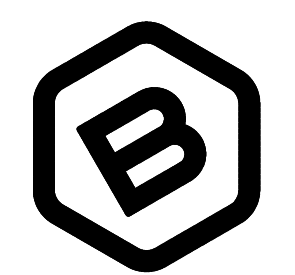
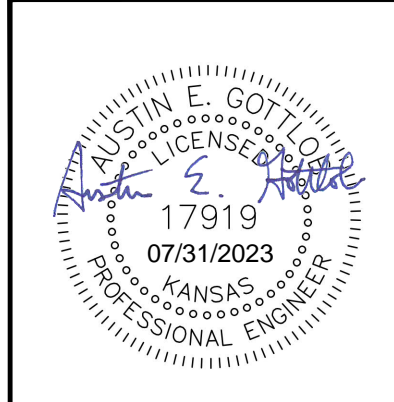
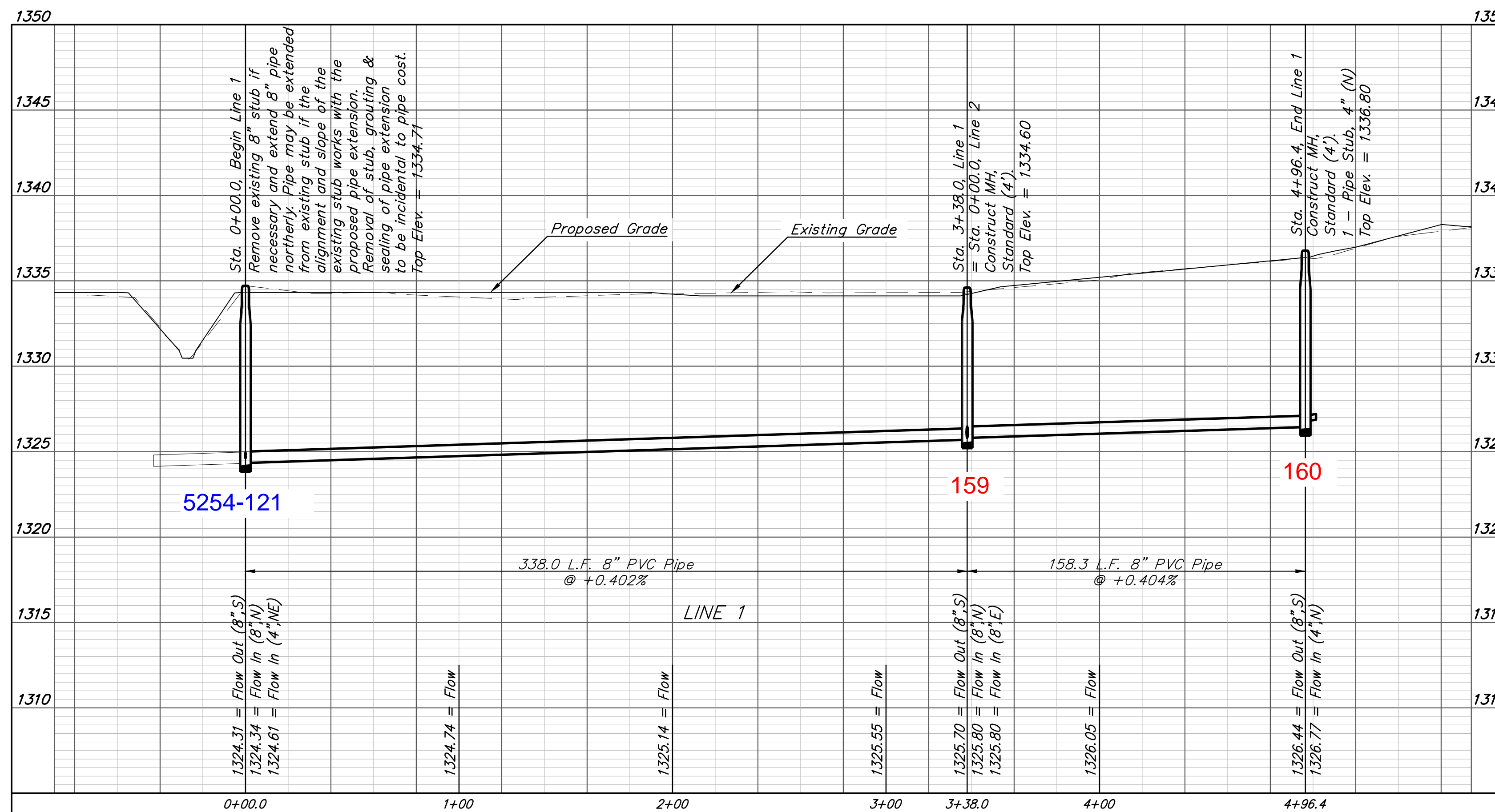
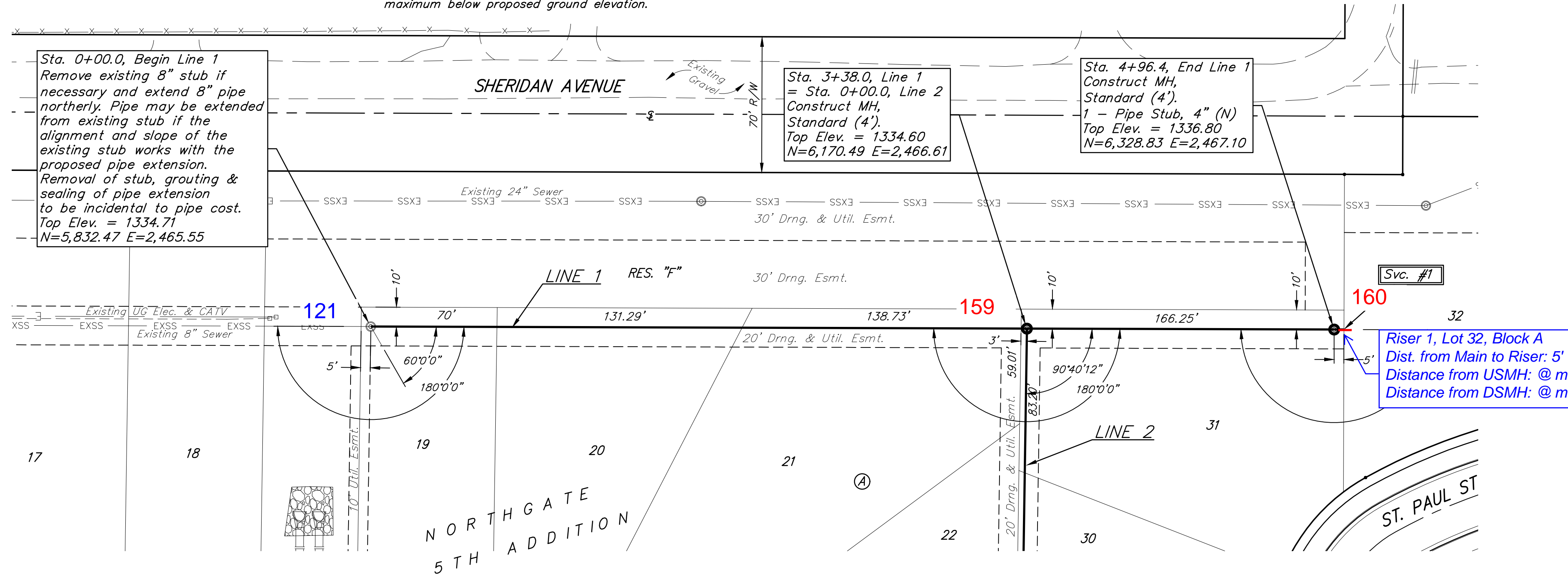
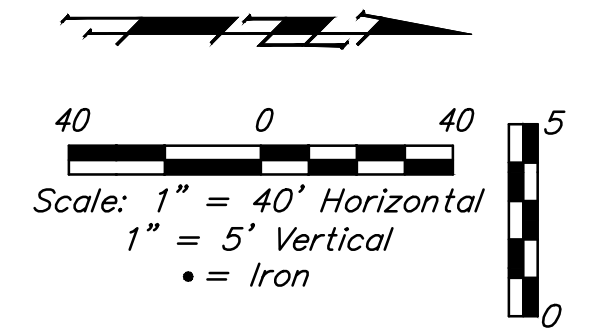
BM #1: "+" in entrance on the north side of 53rd St. N., ~890' west of Meridian. Elev. = 1333.90 (NAVD88)

BM #2: "+" on the south side of manhole rim, 20' east and 5' south of the NW corner of Lot 3, Block B, Northgate 5th Addition. Elev. = 1335.53 (NAVD 88)

**SEWER SERVICE TABLE**

NUMBER	TYPE	LOCATION			STATION\ DIRECTION	FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.		APPROXIMATE LENGTH 4" PIPE	VERTICAL
1	4" Stub	32	A	1	4+96.4/-	-	5.0'

NOTE: Vertical Riser Pipe shall be extended to 2' minimum above ground water elevation and 4' maximum below proposed ground elevation.



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NORTHGATE 5TH ADD.  
 Phase 2

**LINE 1**

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER:  
 23-05-E505

DESIGN: AEG DRAWN: TMS  
 DATE: July 27, 2023

SHEET **2** OF **16**

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**BENCHMARKS:**

BM #1: "+" in entrance on the north side of 53rd St. N., ~890' west of Meridian.  
Elev. = 1333.90 (NAVD88)

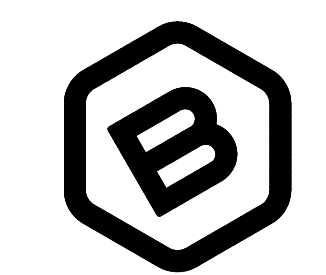
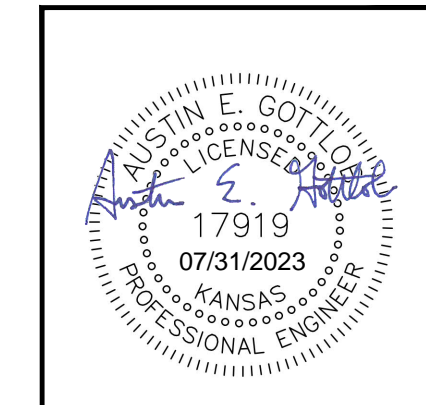
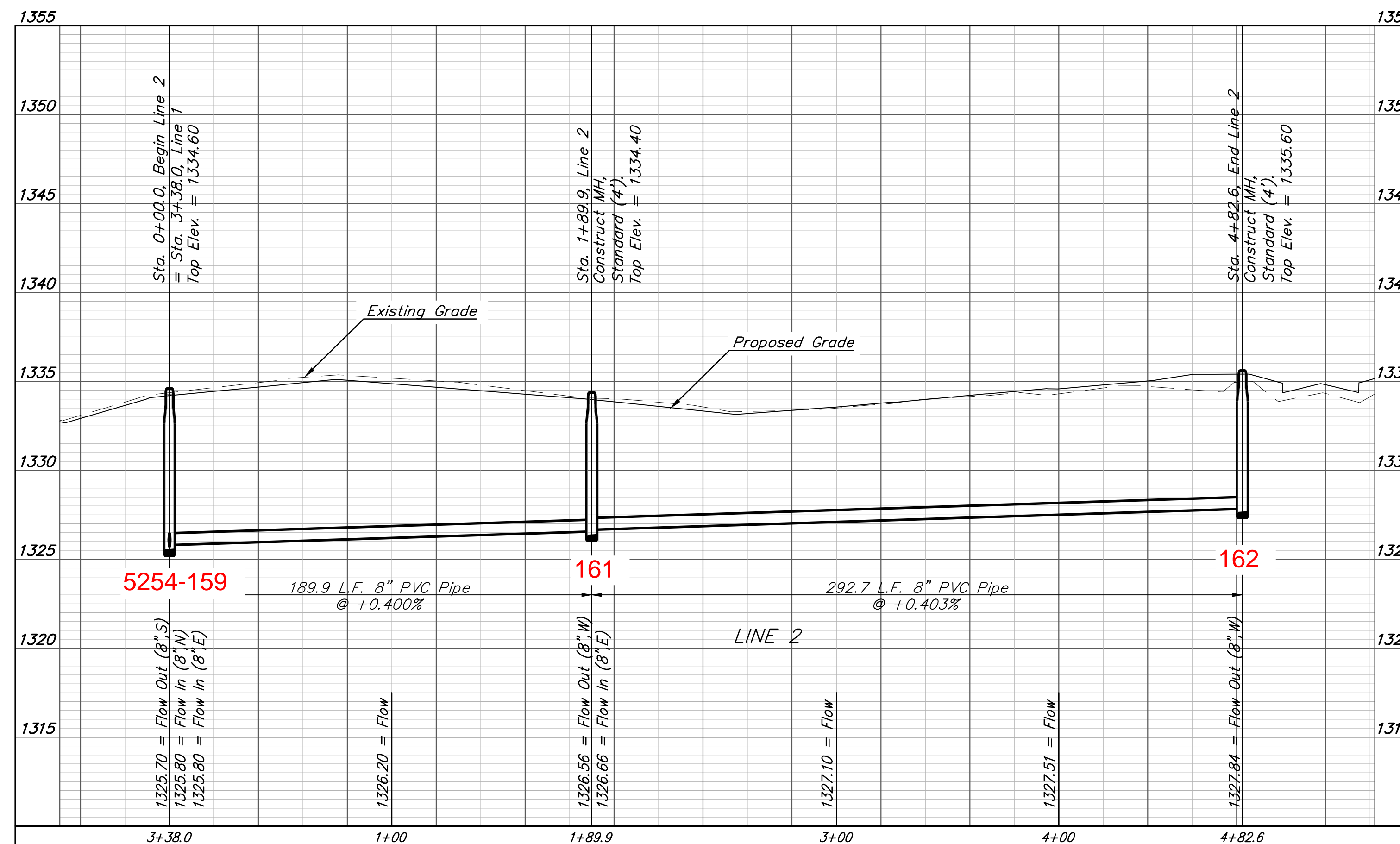
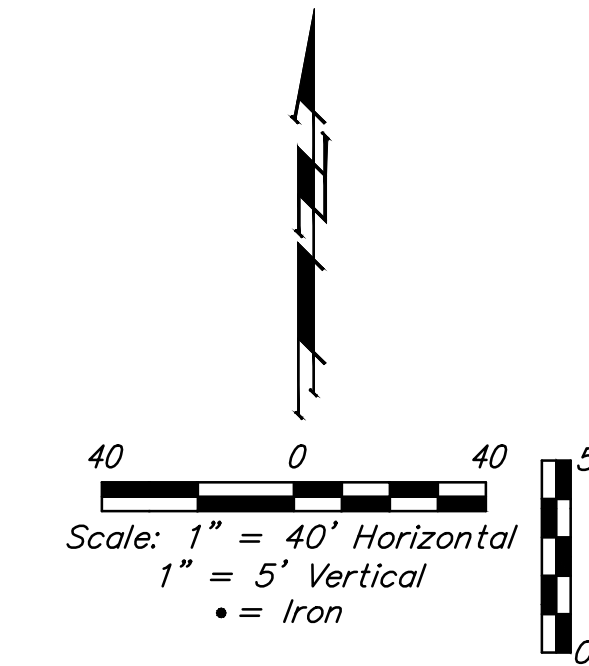
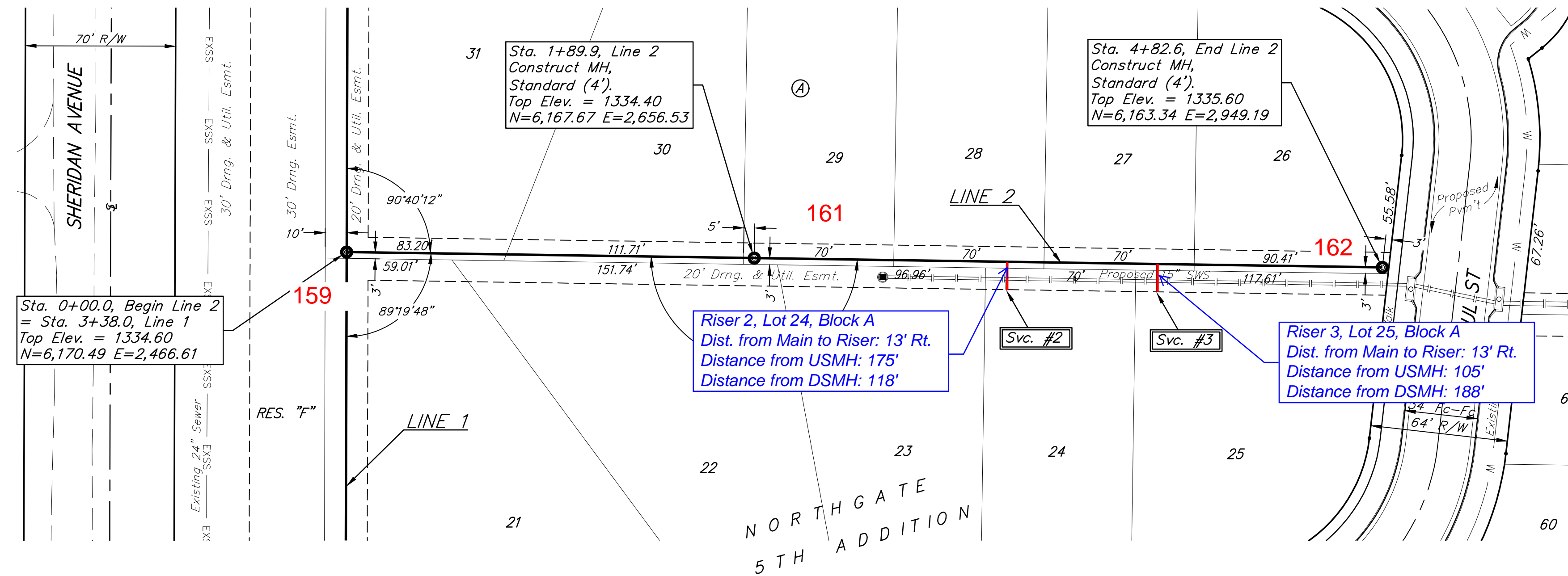
BM #2: "+" on the south side of manhole rim, 20' east and 5' south of the NW corner of Lot 3, Block B, Northgate 5th Addition.  
Elev. = 1335.53 (NAVD 88)

**SEWER SERVICE TABLE**

NUMBER	TYPE	LOCATION			STATION \ DIRECTION	FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.		APPROXIMATE LENGTH 4" PIPE	VERTICAL
2	8" X 4" Tee W/Riser	24	A	2	3+07.8/Rt.	-	13.0'
3	8" X 4" Tee W/Riser	25	A	2	3+77.8/Rt.	-	13.0'

NOTE: Vertical Riser Pipe shall be extended to 2' minimum above ground water elevation and 4' maximum below proposed ground elevation.

\*Risers #2 & #3: The 8"x4" service tee shall be rotated to a 2% slope above horizontal for the service connection to fit under the 15" SWS pipe, which has a flow of approximately 1329.25-1329.50



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NORTHGATE 5TH ADD.  
Phase 2

**LINE 2**

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER:  
23-05-E505

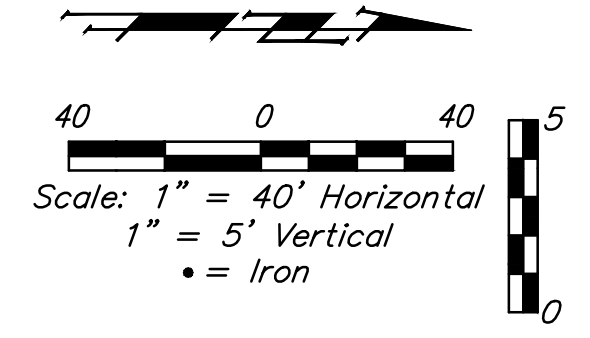
DESIGN: AEG DRAWN: TMS  
DATE: July 27, 2023

SHEET **3** OF **16**

SEWER SERVICE TABLE

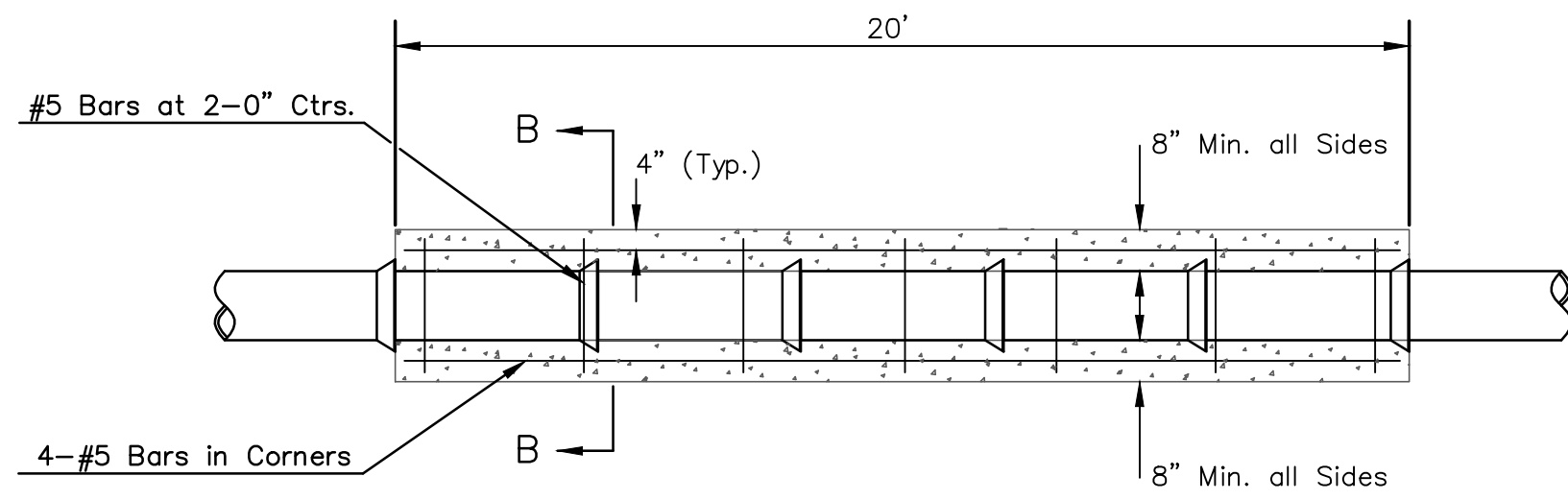
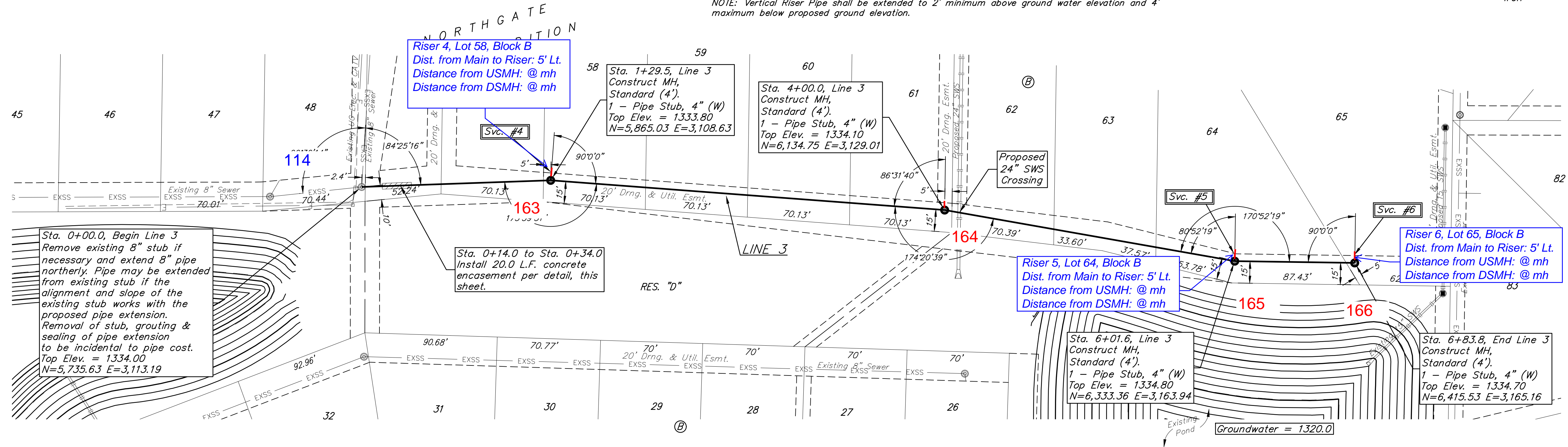
NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION \ DIRECTION	APPROXIMATE LENGTH 4" PIPE	VERTICAL
4	4" Stub	58	B	3	1+29.5/Lt.	-	5.0'
5	4" Stub	64	B	3	6+01.6/Lt.	-	5.0'
6	4" Stub	65	B	3	6+83.8/Lt.	-	5.0'

NOTE: Vertical Riser Pipe shall be extended to 2' minimum above ground water elevation and 4' maximum below proposed ground elevation.



**BENCHMARKS:**  
 BM #1: "+" in entrance on the north side of 53rd St. N., ~890' west of Meridian. Elev. = 1333.90 (NAVD88)

BM #2: "+" on the south side of manhole rim, 20' east and 5' south of the NW corner of Lot 3, Block B, Northgate 5th Addition. Elev. = 1335.53 (NAVD 88)

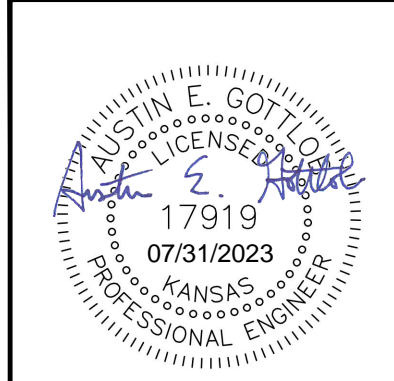
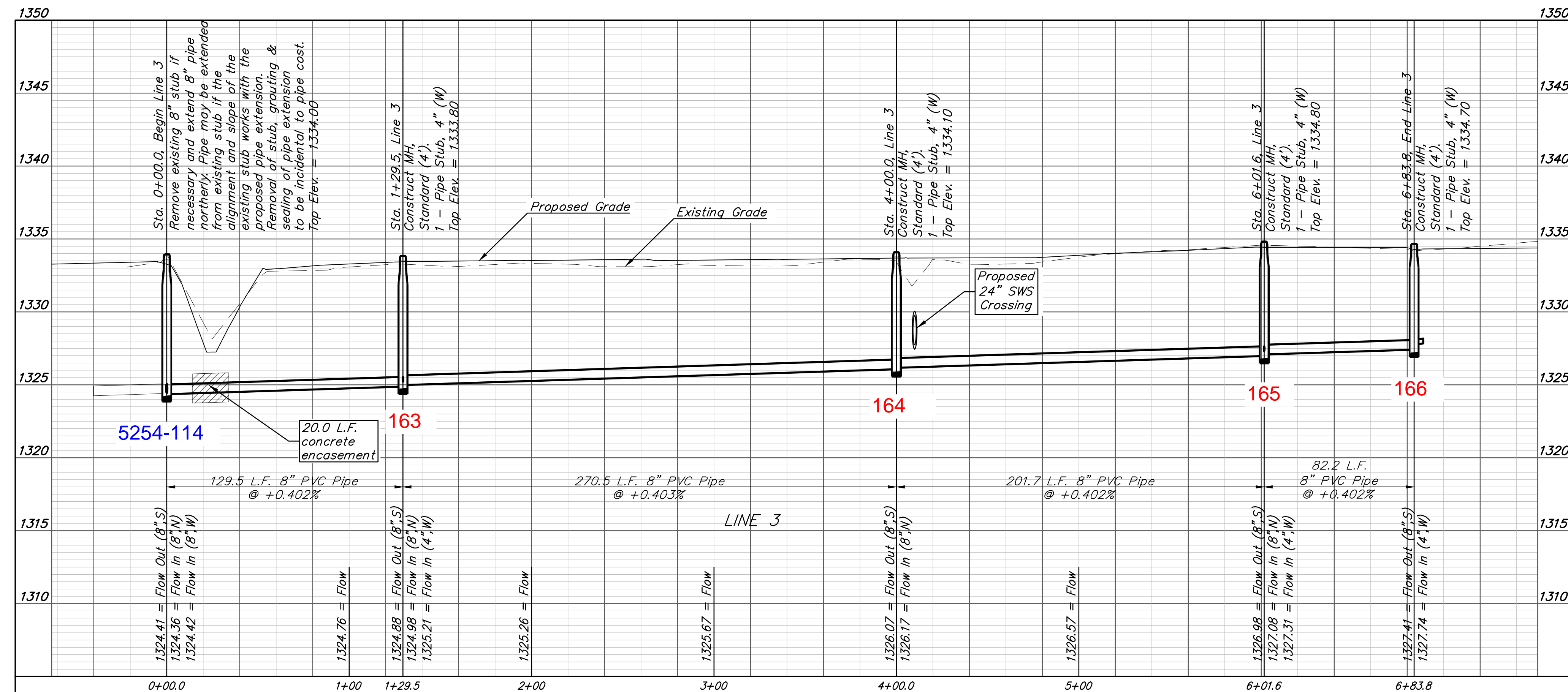


Note: Encasement to begin and end at a Bell on Sanitary Sewer Pipe.

SECTION B-B

REINFORCED CONCRETE ENCASEMENT OF SANITARY SEWER

Contractor shall verify elevation and alignment of existing 8" pipe prior to construction and notify Engineer of any discrepancy.



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NORTHGATE 5TH ADD.  
 Phase 2

**LINE 3**

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER:  
 23-05-E505

DESIGN: AEG DRAWN: TMS

DATE: July 27, 2023

SHEET 4 OF 16

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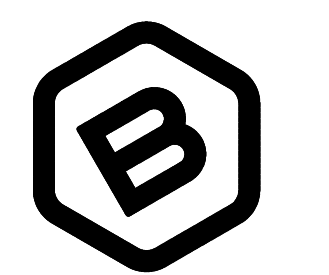
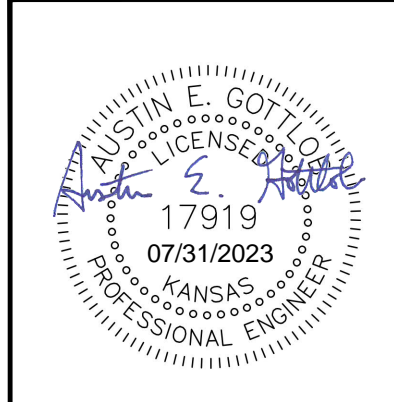
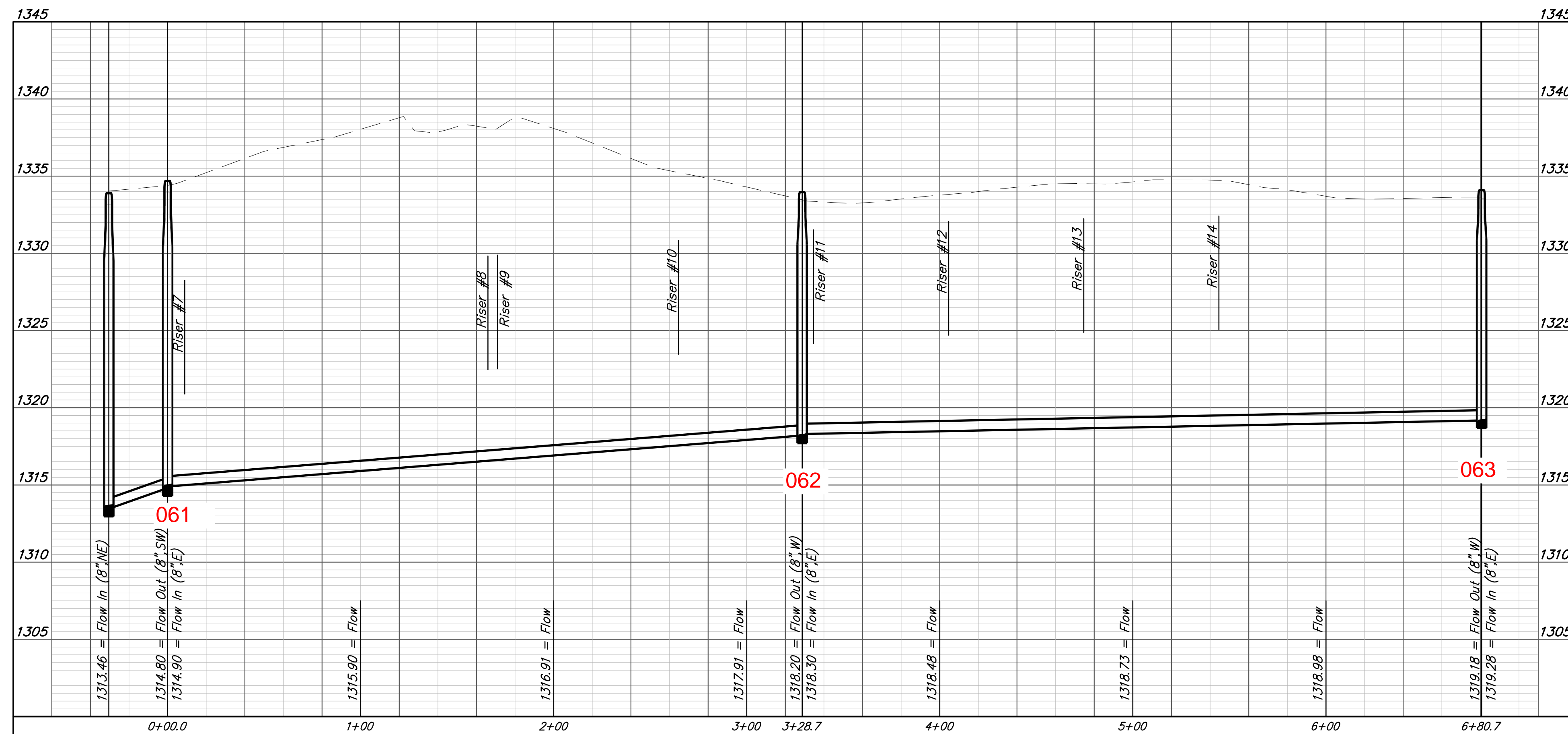
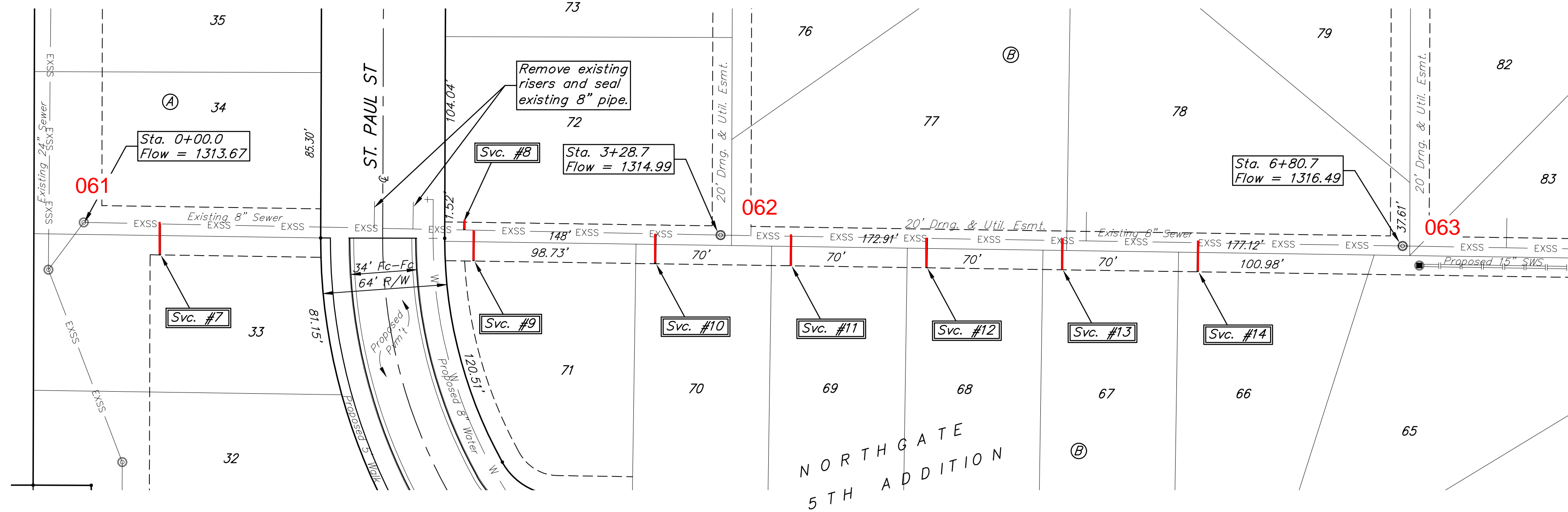
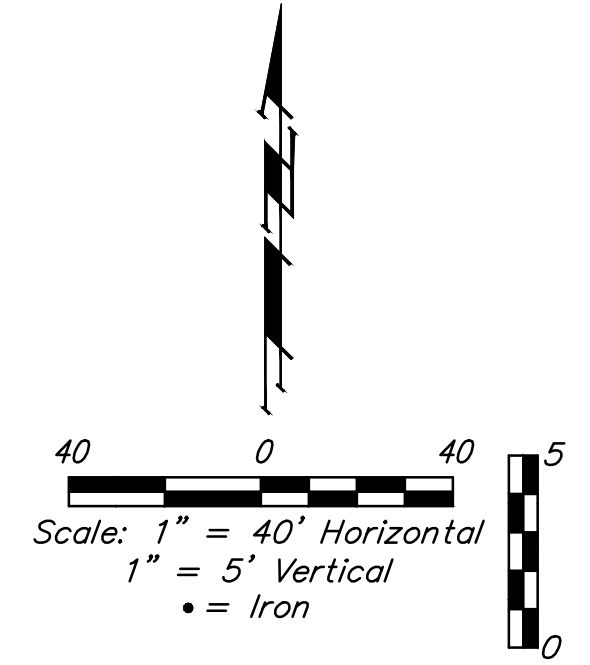
SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION			STATION \ DIRECTION	FOR INFORMATION ONLY		DISTANCE FROM MAIN TO RISER (L./R.T.)	DISTANCE FROM	
		LOT NO.	BLOCK NO.	LINE NO.		APPROXIMATE LENGTH 4" PIPE	UPSTREAM MANHOLE		DOWNSTREAM MANHOLE	
					VERTICAL	HORIZONTAL				
7	8" X 4" Saddle Tap W/Riser	33	A	-	0+39.3/Rt.	15.0'	16.0'	16' Rt.	296'	39'
8	8" X 4" Saddle Tap W/Riser	72	B	-	1+96.4/Lt.	17.0'	4.0'	4' Lt.	132'	196'
9	8" X 4" Saddle Tap W/Riser	71	B	-	2+01.4/Rt.	17.0'	15.5'	15.5' Rt.	127'	201'
10	8" X 4" Saddle Tap W/Riser	70	B	-	2+95.1/Rt.	13.0'	15.5'	15.5' Rt.	34'	295'
11	8" X 4" Saddle Tap W/Riser	69	B	-	3+65.1/Rt.	10.5'	15.5'	15.5' Rt.	316'	36'
12	8" X 4" Saddle Tap W/Riser	68	B	-	4+35.1/Rt.	11.0'	15.5'	15.5' Rt.	246'	106'
13	8" X 4" Saddle Tap W/Riser	67	B	-	5+05.1/Rt.	11.5'	15.5'	15.5' Rt.	176'	176'
14	8" X 4" Saddle Tap W/Riser	66	B	-	5+75.1/Rt.	11.5'	15.5'	15.5' Rt.	106'	246'

NOTE: Vertical Riser Pipe shall be extended to 2' minimum above ground water elevation and 4' maximum below proposed ground elevation.

**BENCHMARKS:**  
 BM #1: "+" in entrance on the north side of 53rd St. N., ~890' west of Meridian.  
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NORTHGATE 5TH ADD.  
 Phase 2  
**ADDITIONAL RISERS**

SANITARY SEWER IMPROVEMENTS  
 PROJECT NUMBER:  
 23-05-E505  
 DESIGN: AEG DRAWN: TMS  
 DATE: July 27, 2023  
 SHEET **5** OF **16**

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IRONS

Point Table			
Point #	Northing	Easting	Raw Description
1	5091.14	2898.33	iron
2	5089.88	2983.32	iron
3	5181.13	2899.66	iron
4	5231.81	2921.41	iron
5	5235.47	2674.08	iron
6	5293.47	2674.94	iron
7	5289.79	2922.96	iron
8	5261.87	2985.87	iron
9	5326.65	2991.34	iron
10	5336.46	2928.10	iron
11	5505.88	2928.53	iron
12	5509.78	2992.41	iron
13	5440.56	2996.64	iron
14	5436.67	2932.75	iron
15	5565.26	2976.37	iron

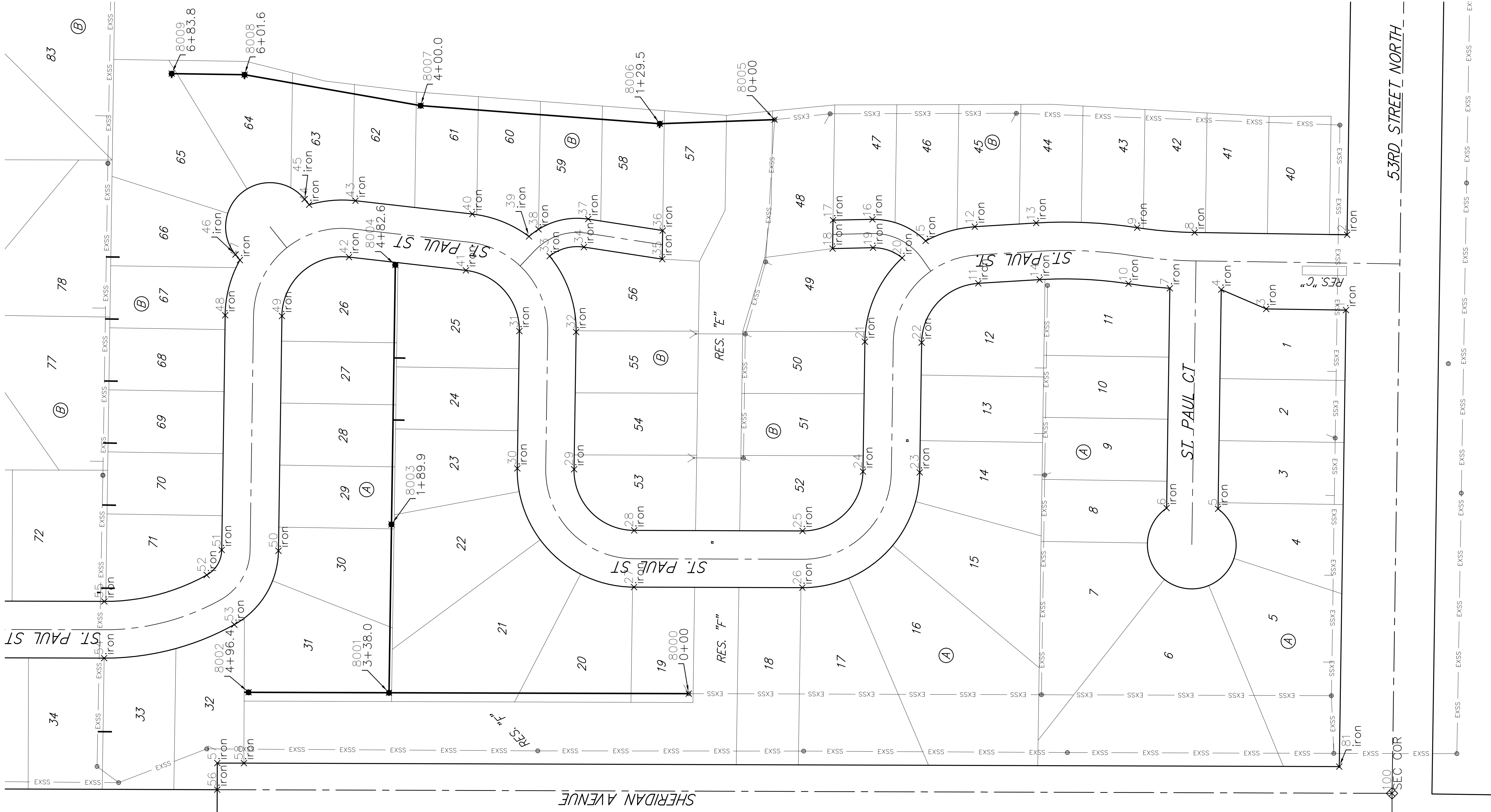
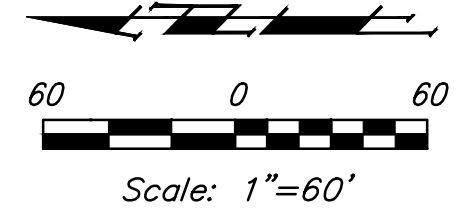
Point Table			
Point #	Northing	Easting	Raw Description
16	5625.21	3000.68	iron
17	5669.70	2999.78	iron
18	5670.17	2967.77	iron
19	5624.57	2968.69	iron
20	5591.71	2957.24	iron
21	5633.72	2862.61	iron
22	5569.73	2861.66	iron
23	5571.90	2715.20	iron
24	5635.89	2716.15	iron
25	5704.10	2649.15	iron
26	5704.30	2585.15	iron
27	5894.15	2585.75	iron
28	5893.95	2649.75	iron
29	5961.73	2718.75	iron
30	6025.72	2719.70	iron

Point Table			
Point #	Northing	Easting	Raw Description
31	6023.43	2874.58	iron
32	5959.44	2873.63	iron
33	5989.30	2959.22	iron
34	5950.67	2969.43	iron
35	5862.29	2955.84	iron
36	5861.81	2988.05	iron
37	5945.80	3001.06	iron
38	6001.81	2989.50	iron
39	6012.58	2981.45	iron
40	6076.49	3006.74	iron
41	6083.73	2943.15	iron
42	6215.52	2958.15	iron
43	6208.29	3021.74	iron
44	6260.52	3017.21	iron
45	6265.56	3023.51	iron

Point Table			
Point #	Northing	Easting	Raw Description
46	6343.63	2961.02	iron
47	6338.59	2954.72	iron
48	6355.20	2892.54	iron
49	6291.21	2891.59	iron
50	6295.13	2626.76	iron
51	6359.12	2627.71	iron
52	6376.08	2599.36	iron
53	6344.97	2543.42	iron
54	6491.72	2505.61	iron
55	6491.52	2569.61	iron
56	6364.20	2357.21	iron
57	6364.11	2387.21	iron
58	6334.10	2387.12	iron
81	5098.77	2383.27	iron
100	5039.21	2353.08	SEC COR

SANITARY SEWER

Point Table				
Point #	Northing	Easting	Raw Description	Elevation
8000	5832.47	2465.55	0+00	
8001	6170.49	2466.61	3+38.0	
8002	6328.83	2467.10	4+96.4	
8003	6167.67	2656.53	1+89.9	
8004	6163.34	2949.19	4+82.6	
8005	5735.63	3113.19	0+00	
8006	5865.03	3108.63	1+29.5	
8007	6134.75	3129.01	4+00.0	
8008	6333.36	3163.94	6+01.6	
8009	6415.53	3165.16	6+83.8	







**BAUGHMAN  
COMPANY**

315 Ellis St.  
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316-262-7271  
BaughmanCo.com

NORTHGATE 5TH ADD.  
Phase 2

**COORDINATE  
SHEET**

SANITARY SEWER  
IMPROVEMENTS

PROJECT NUMBER:  
23-05-E505

DESIGN:      DRAWN:  
DATE: July 27, 2023

SHEET      OF  
**15      16**

File: E:\Projects\Northgate 5th Addition\_20-03-P538\Engineering\Phase 2\SS 23-05-E505\Sewer.dwg