

# SANITARY SEWER IMPROVEMENTS

## to serve

# NORTH FORTY-FIFTH ADDITION

## CITY OF WICHITA, KANSAS

Gary Janzen, P.E. City Engineer  
 Project Number: 468-2020-034639  
 OCA Number: 47264321 E1048

Nowak Construction - Contractor  
 K. Kerns - City of Wichita, Field Project Engineer  
 R. Carillo - City of Wichita, Inspector  
 As-built  
 Stubs & Riser  
 Release Date (for connection purposes only): 4/29/2022  
 pdf: apr 5/2/2022

### GENERAL NOTES:

- Contractor will be required to provide notice to utility companies a minimum of forty-eight (48) hours prior to any excavation, as follows:  
 Kansas One-Call 687-2470  
 The Contractor must notify the following in case of an emergency:  
 Cox Communications 262-4270  
 Kansas Gas Service 1-888-482-4950  
 Evergy 383-8650  
 Black Hills Energy 1-800-303-0357  
 ATT 268-2245  
 City of Wichita Water Dept. 268-4563  
 City of Wichita Sewer Maint. 268-4024  
 City of Wichita Storm Sewer Maint. 268-4090  
 City of Wichita Traffic Maint. 268-4034
- Utility service lines, poles, valve boxes, meters, and etcetera 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.
- 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 would require a Kansas State Board of Agriculture permit. Any material buried 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 would require additional archaeological investigations unless buried in a previously approved borrow location.
- 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 Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.
- 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.
- 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.
- 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 BMP's."
- All excess excavation shall remain on-site and shall be stockpiled or spread at a location determined by the Engineer.
- The Contractor shall be responsible for maintaining continuous flow of sewage through construction. Contractor's proposed method for maintaining sewage flow shall be approved by the Engineer. Cost of maintaining flow of sewage through construction will not be paid for directly and this cost shall be considered as subsidiary to the other pay items of work.
- All areas disturbed by 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, etc. shall be included in the L.S. bid item "Seeding".
- Trees and shrubs in the work area which are in direct conflict with proposed new construction shall be removed by the Contractor ONLY with the Developer or Baughman Company approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage. If trimming is necessary, a chainsaw shall be used. Breaking limbs with equipment will not be allowed. An on-site pre-construction meeting will occur prior to any construction to discuss tree removal, tree protection, and tree trimming.
- The Developer for this project is Jay Russell  
 P.O. Box 75450, Wichita, KS 67275  
 (316) 722-2417 jay.russell@russellco.com

### SHEET INDEX

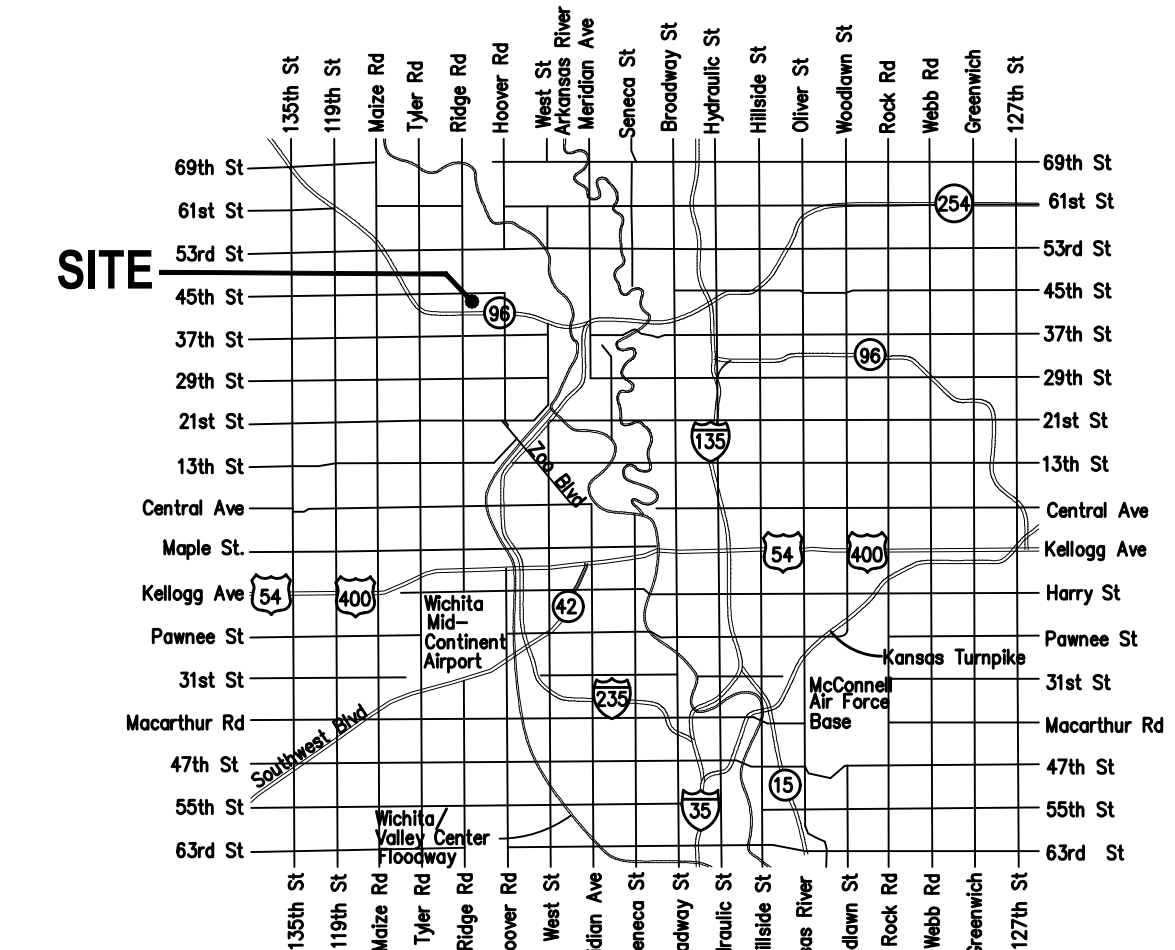
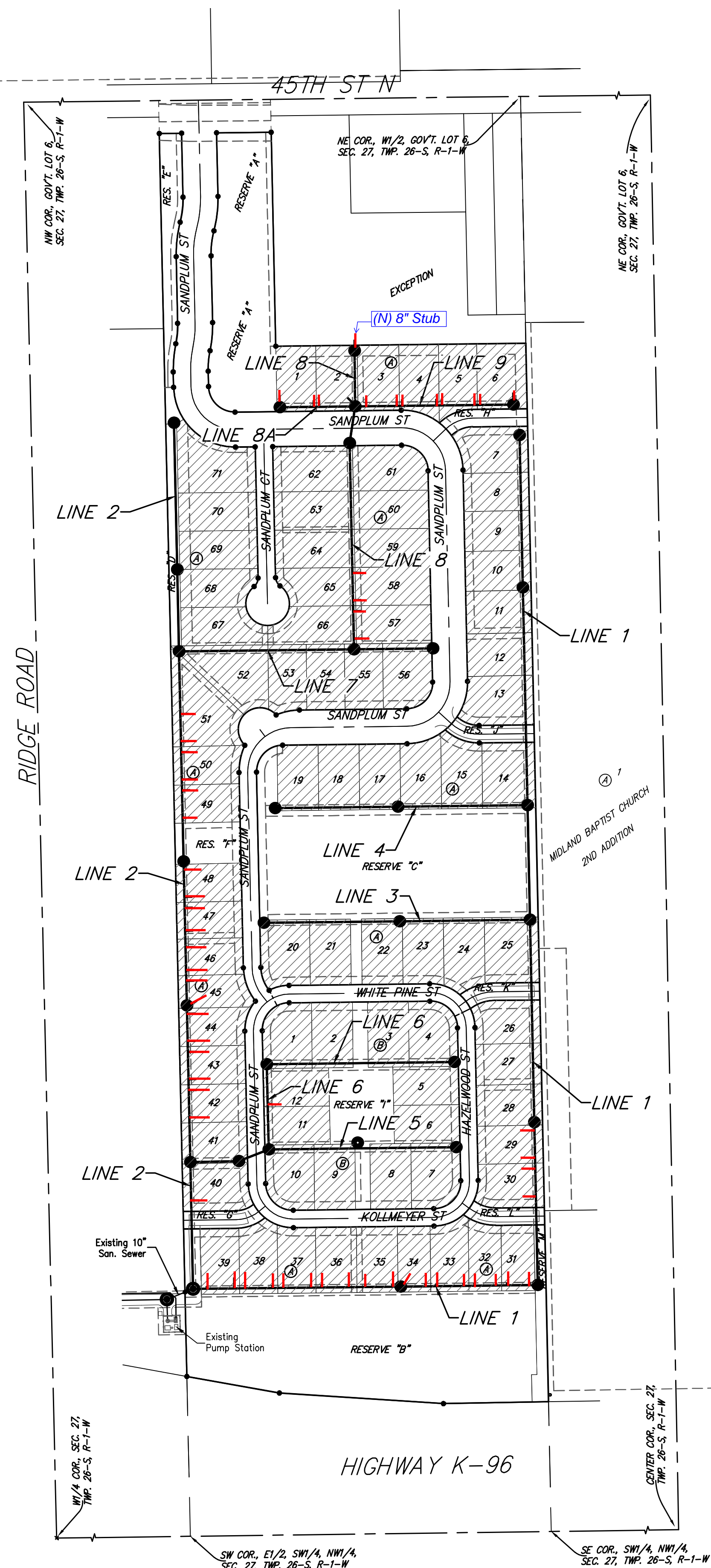
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### BENCHMARKS

R.R. spike in S. face of power pole, N. side of 45th St. N., 19.7' W. & 87.2' N. of NW Cor., Reserve "A", North Forty-Fifth Addition.  
 Elev = 1336.53 NAVD88

Cross cut, 1' N. & 1' E. of SW Cor. of concrete parking lot of Midland Baptist Church, 143.1' E. of SE Cor., Lot 31, Block A, North Forty-Fifth Addition.  
 Elev. = 1337.69 NAVD88

Crowsfoot cut, top of curb, centerline of radius ±, SE Cor. of Ridge Rd. & 45th St. N., 36.9' E. & 31.1' S. of NW Cor., Gov't Lot 6, Sec. 27, Twp. 26-S, R-1-W.  
 Elev. = 1337.09 NAVD88



Shawn Melli 10-25-2021



Δ REVISED AS NOTED 10/18/2021  
 Oct. 19, 2021

BENEFIT DISTRICT

VICINITY MAP

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

Sanitary Sewer Riser Location Table Verification

Project Name: North 45<sup>th</sup> Addition

Project Location: North 45<sup>th</sup>, E. of Ridge Road

Project No.: 468-2020-034639

OCA No.: 47264321 E1048

Contractor: Nawalk

Inspector: R. Carrillo

Riser No.	Line No.	Station	Distance from Main to Riser (Lt./Rt.)	Distance from	
				Upstream MH	Downstream MH
1	1	0+76.2	5' LT	355.16	24.5
2	1	1+26.8	5' LT	305	75.1
3	1	1+46.8	5' LT	285	95.1
4	1	1+96.8	5' LT	235	145.1
5	1	2+16.8	5' LT	215	165.1
6	1	2+66.8	5' LT	165	215.1
7	1	2+86.8	5' LT	145	235.1
8	1	3+36.8	5' LT	95	285.1
9	1	3+66.8	5' LT	65	315.1
10	1	4+16.8	5' LT	15	365.1
11	1	4+12.8	5' LT	At MH	
12	1	4+76.8	5' LT	206.1	45
13	1	4+96.8	5' LT	186.1	65
14	1	5+46.8	5' LT	136.1	115
15	1	5+66.8	5' LT	116.1	135
16	1	6+06.8	5' LT	76.1	175
17	1	6+26.8	5' LT	56.1	195
18	1	6+68	5' LT	14.9	236.2
19	1	8+44.9	5' LT	136.1	162
20	1	8+94.	5' LT	86	213.1
21	1	9+16.	5' LT	65	233.1
22	1	9+66	5' LT	15	283.1
23	2	1+62	5' RT	70.2	162
24	2	3+14.2	5' RT	205	82
25	2	3+64.2	5' RT	155	132
26	2	3+84.2	5' RT	135	152
27	2	4+34.2	5' RT	85	202
28	2	4+54.2	5' RT	65	222
29	2	5+01.2	5' RT	18	269
30	2	5+19.2	10' RT	At MH	

Sanitary Sewer Riser Location Table Verification

Project Name: North 45<sup>th</sup> Addition

Project Location: N. 45<sup>th</sup> St., E. of Ridge Road

Project No.: 408-2020-034639

OCA No.: 47264321/E1048

Contractor: Nowak

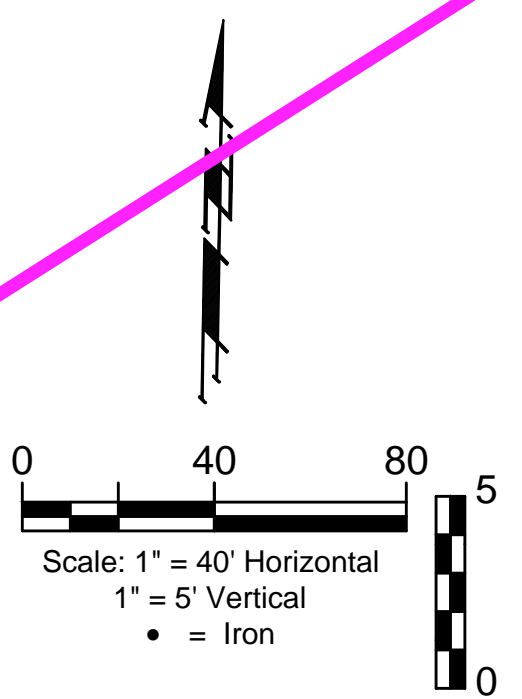
Inspector: R. Carrillo

Riser No.	Line No.	Station	Distance from Main to Riser (Lt./Rt.)	Distance from	
				Upstream MH	Downstream MH
31	2	5+04.2	5' RT	219	45
32	2	5+84.2	5' RT	199	65
33	2	6+24.2	5' RT	157	107
34	2	6+54.2	5' RT	127	137
35	2	6+98.2	5' RT	85	179
36	2	7+18.2	5' RT	65	199
37	2	7+68.2	5' RT	15	249
38	2	8+63.2	5' RT	304.8	80.1
39	2	9+13.3	5' RT	254.8	130.1
40	2	9+33.3	5' RT	234.8	150.1
41	2	9+83.4	5' RT	184.7	200.2
42	2	10+03.4	5' RT	164.7	220.2
43	2	10+53.4	5' RT	114.7	270.2
44	6	0+8.3	8' RT	73	83
45	8	0+19.9	15' RT	358.1	19.9
46	8	0+69.9	15' RT	308.1	69.9
47	8	0+89.9	15' RT	288.1	89.9
48	8	139.9	15' RT	238.1	139.9
49	8	4+45.9	10' LT	AT MH	
50	8A	0+66	7' RT	72.1	66
51	8A	0+76	7' RT	162.1	76
52	8A	1+38.1	10' RT	AT MH	
53	9	0+20	7' LT	269.8	20
54	9	0+74	7' LT	213.8	74
55	9	0+86	7' LT	203.8	86
56	9	1+48.7	7' LT	141.1	148.7
57	9	1+58.7	7' LT	131.1	158.7
58	9	2+18.7	7' LT	71.1	218.7
59	9	2+28.7	7' LT	61.1	228.7
60	9	2+89.8	10' LT	AT MH	

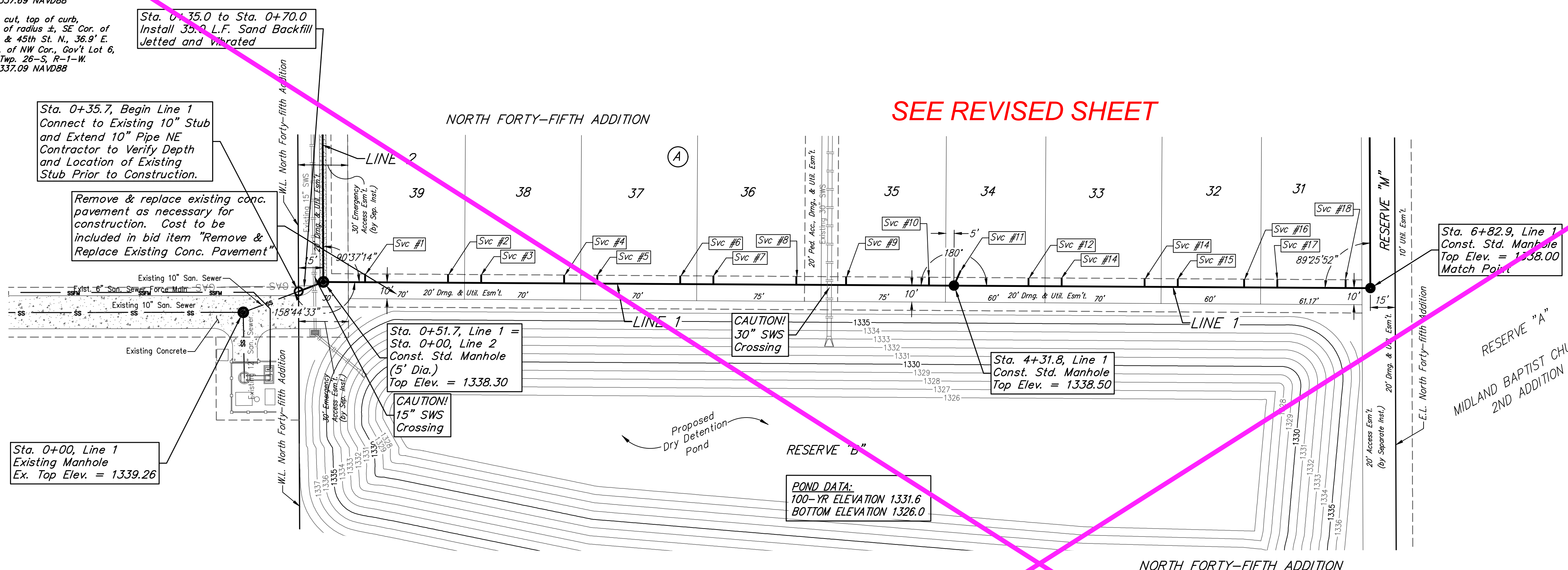
**BENCHMARKS:**  
 R.R. Stake in S. face of power pole,  
 N. side of 45th St. N., 19.7' W. &  
 87.2' N. of NW Cor., Reserve "A",  
 North Forty-Fifth Addition,  
 Elev. = 1336.53 NAVD88

Cross cut, 1' N. & 1' E. of SW Cor.  
 of concrete parking lot of Midland  
 Baptist Church, 143.1' E. of SE Cor.  
 of Lot 31, Block A, North Forty-Fifth  
 Addition,  
 Elev. = 1337.69 NAVD88

Crowsfoot cut, top of curb,  
 centerline of radius 4', SE Cor. of  
 Ridge Rd. & 45th St. N., 36.9' E.  
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 Sec. 27, Twp. 26-S, R-1-W,  
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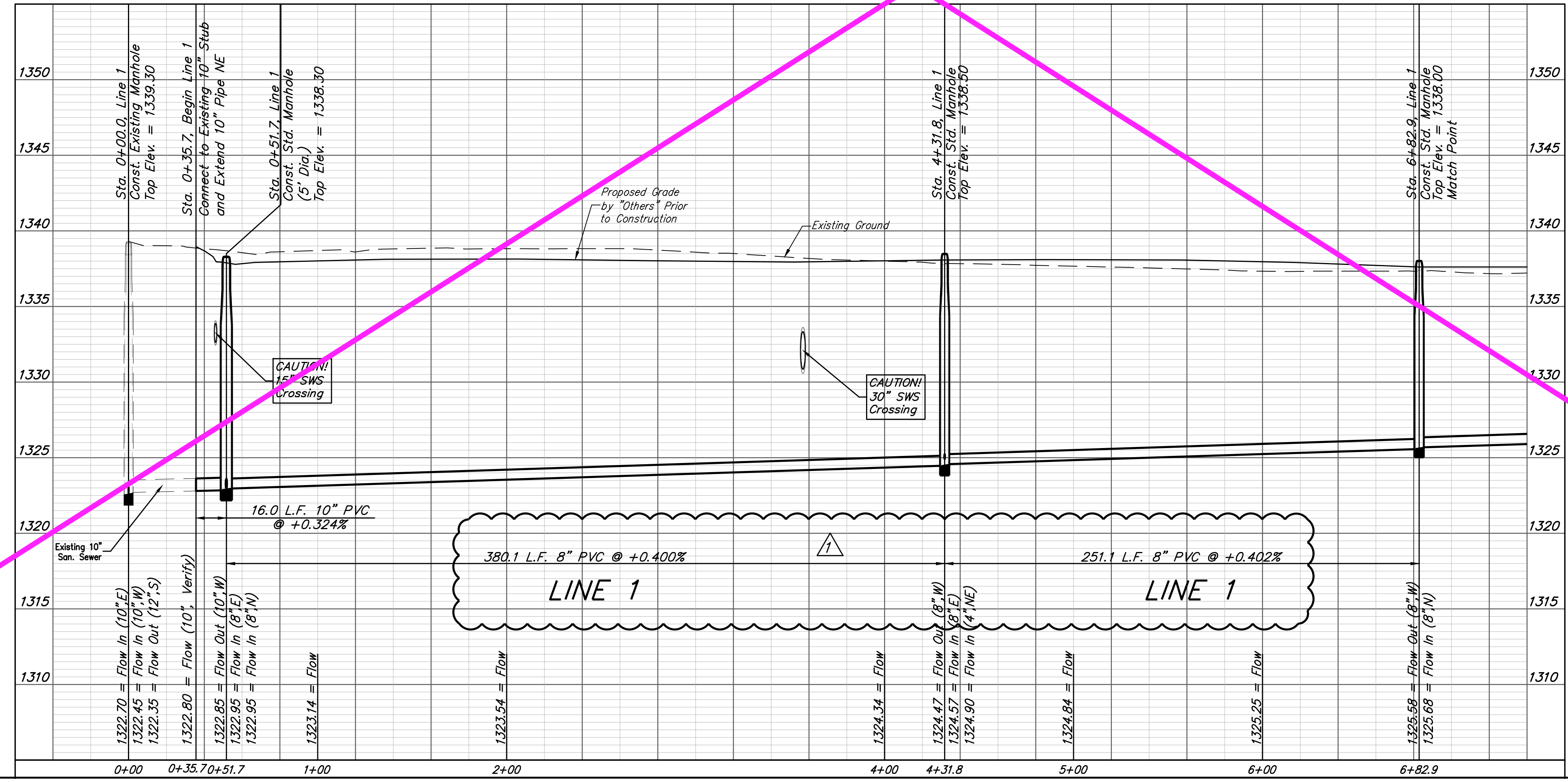
**SEE REVISED SHEET**



**SEWER SERVICE TABLE**

NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION/DIRECTION	APPROXIMATE LENGTH 4" PIPE	
1	8" x 4" Tee	39	A	1	0+76.2/Lt.	11.2'	5'
2	8" x 4" Tee	39	A	1	1+26.8/Lt.	11'	5'
3	8" x 4" Tee	38	A	1	1+46.8/Lt.	11.2'	5'
4	8" x 4" Tee	38	A	1	1+96.8/Lt.	10.9'	5'
5	8" x 4" Tee	37	A	1	2+16.8/Lt.	10.9'	5'
6	8" x 4" Tee	37	A	1	2+66.8/Lt.	10.8'	5'
7	8" x 4" Tee	36	A	1	2+86.8/Lt.	10.5'	5'
8	8" x 4" Tee	36	A	1	3+36.8/Lt.	10.3'	5'
9	8" x 4" Tee	35	A	1	3+66.8/Lt.	10.3'	5'
10	8" x 4" Tee	35	A	1	4+16.8/Lt.	10.1'	5'
11	4" Stub	34	A	1	4+13.8/Lt.	10.2'	5'
12	8" x 4" Tee	34	A	1	4+76.8/Lt.	10.1'	5'
13	8" x 4" Tee	33	A	1	4+96.8/Lt.	10.1'	5'
14	8" x 4" Tee	33	A	1	5+46.8/Lt.	9.8'	5'
15	8" x 4" Tee	32	A	1	5+66.8/Lt.	9.7'	5'
16	8" x 4" Tee	32	A	1	6+06.8/Lt.	9.3'	5'
17	8" x 4" Tee	31	A	2	6+26.8/Lt.	9.2'	5'
17	8" x 4" Tee	31	A	2	6+68.0/Lt.	9.1'	5'

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



**REVISION RECORD**

NO.	DATE	DESCRIPTION	DR.	BY
1	10/18/21	10" pipe to 8" pipe	JAK	AEG

**BAUGHMAN COMPANY**

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

NORTH FORTY-FIFTH ADDITION

**LINE 1**

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER:  
 468-2020-034639

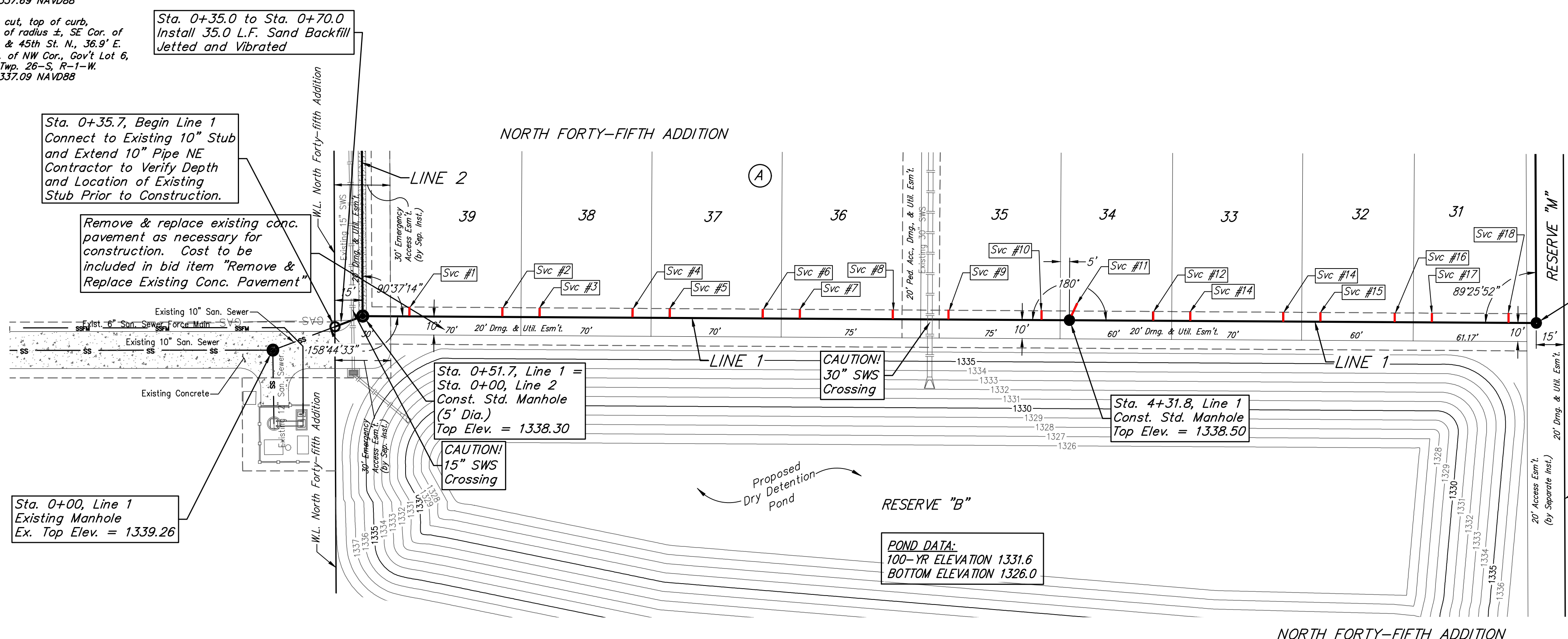
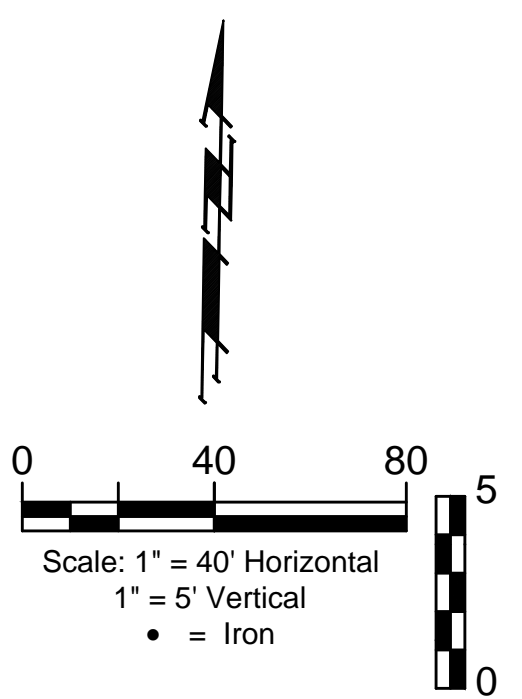
DESIGN: AEG DRAWN: JAK  
 DATE: Oct. 19, 2021

SHEET  
 2 OF 27

**BENCHMARKS:**  
 R.R. spike in S. face of power pole,  
 N. side of 45th St. N., 19.7' W. &  
 87.2' N. of NW Cor., Reserve "A",  
 North Forty-Fifth Addition.  
 Elev = 1336.53 NAVD88

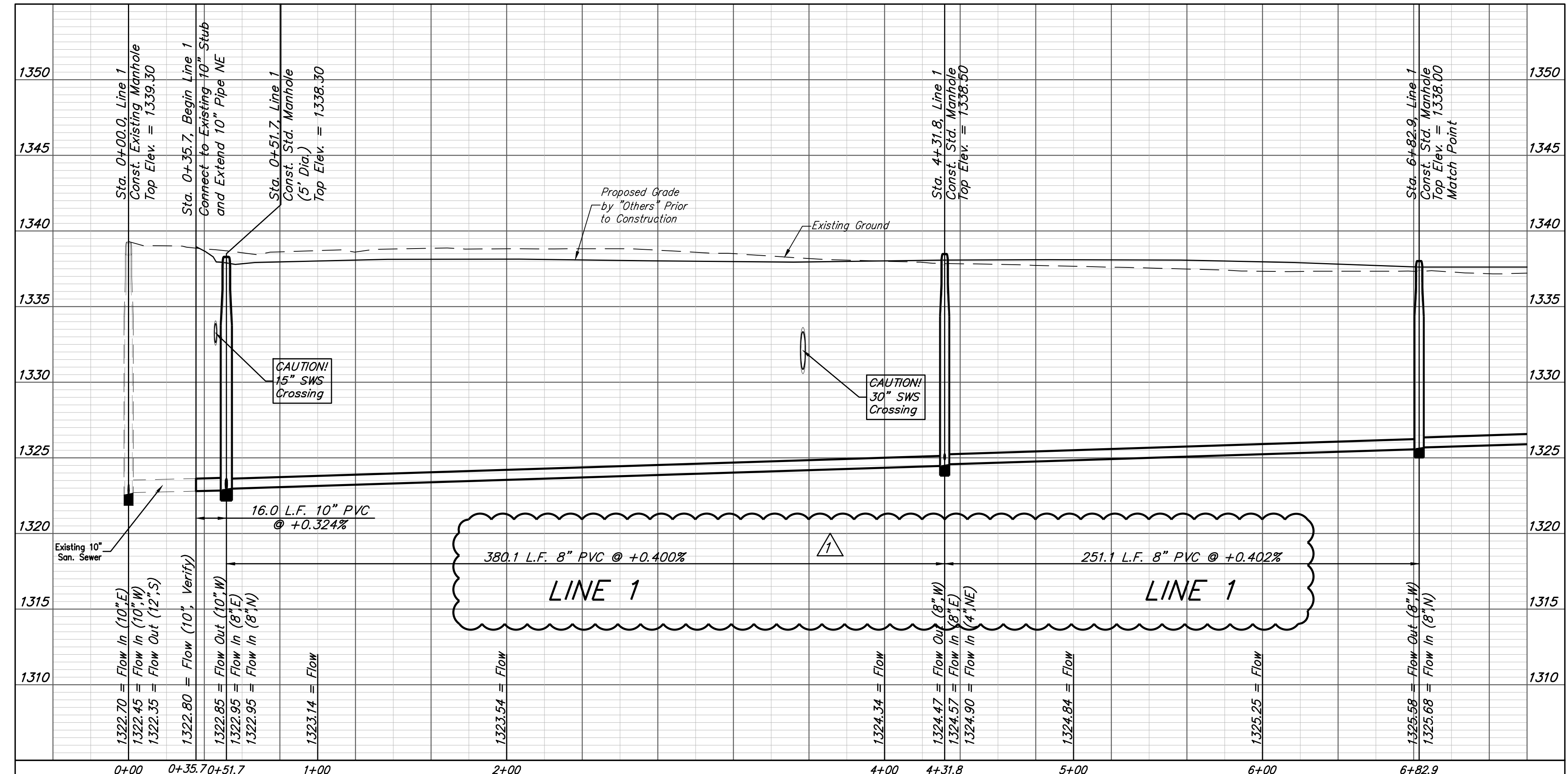
Cross cut, 1' N. & 1' E. of SW Cor.  
 of concrete parking lot of Midland  
 Baptist Church, 143.1' E. of SE Cor.,  
 Lot 31, Block A, North Forty-Fifth  
 Addition.  
 Elev = 1337.69 NAVD88

Crowsfoot cut, top of curb,  
 centerline of radius 4', SE Cor. of  
 Ridge Rd. & 45th St. N., 36.9' E.  
 & 31.1' S. of NW Cor., Gov't Lot 6,  
 Sec. 27, Twp. 26-S, R-1-W.  
 Elev = 1337.09 NAVD88



Distance from Main to Riser (Lt./Rt.)	Distance from		NUMBER	TYPE	LOCATION			FOR INFORMATION ONLY		
	Upstream MH	Downstream MH			LOT NO.	BLOCK NO.	LINE NO.	STATION/DIRECTION	APPROXIMATE LENGTH 4" PIPE	VERTICAL
5' Lt.	356'	24.5'	1	8" x 4" Tee	39	A	1	0+76.2/Lt.	11.2'	5'
5' Lt.	305'	75'	2	8" x 4" Tee	39	A	1	1+26.8/Lt.	11'	5'
5' Lt.	285'	95'	3	8" x 4" Tee	38	A	1	1+46.8/Lt.	11.2'	5'
5' Lt.	235'	145'	4	8" x 4" Tee	38	A	1	1+96.8/Lt.	10.9'	5'
5' Lt.	215'	165'	5	8" x 4" Tee	37	A	1	2+16.8/Lt.	10.9'	5'
5' Lt.	165'	215'	6	8" x 4" Tee	37	A	1	2+66.8/Lt.	10.8'	5'
5' Lt.	145'	235'	7	8" x 4" Tee	36	A	1	2+86.8/Lt.	10.5'	5'
5' Lt.	95'	285'	8	8" x 4" Tee	36	A	1	3+36.8/Lt.	10.3'	5'
5' Lt.	65'	315'	9	8" x 4" Tee	35	A	1	3+66.8/Lt.	10.3'	5'
5' Lt.	15'	365'	10	8" x 4" Tee	35	A	1	4+16.8/Lt.	10.1'	5'
5' Lt.	@ mh	@ mh	11	4" Stub	34	A	1	4+13.8/Lt.	10.2'	5'
5' Lt.	206'	45'	12	8" x 4" Tee	34	A	1	4+76.8/Lt.	10.1'	5'
5' Lt.	186'	65'	13	8" x 4" Tee	33	A	1	4+96.8/Lt.	10.1'	5'
5' Lt.	136'	115'	14	8" x 4" Tee	33	A	1	5+46.8/Lt.	9.8'	5'
5' Lt.	116'	135'	15	8" x 4" Tee	32	A	1	5+66.8/Lt.	9.7'	5'
5' Lt.	76'	175'	16	8" x 4" Tee	32	A	1	6+06.8/Lt.	9.3'	5'
5' Lt.	56'	195'	17	8" x 4" Tee	31	A	2	6+26.8/Lt.	9.2'	5'
5' Lt.	15'	236'	18	8" x 4" Tee	31	A	2	6+68.0/Lt.	9.1'	5'

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



REVISION RECORD				
NO.	DATE	DESCRIPTION	DR.	BY
2	11/17/21	Corrected riser no. & stations	JAK	AEG
1	10/18/21	10" pipe to 8" pipe	JAK	AEG

**BAUGHMAN COMPANY**

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

NORTH FORTY-FIFTH ADDITION

## LINE 1

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER:  
 468-2020-034639

DESIGN: AEG DRAWN: JAK  
 DATE: Oct. 19, 2021

SHEET 2R OF 27

File: C:\Projects\North Forty-Fifth Addition (Residential)\_Engineering\SS\_20-12-E783.dwg

**BENCHMARKS:**  
 R.R. spike in S. face of power pole,  
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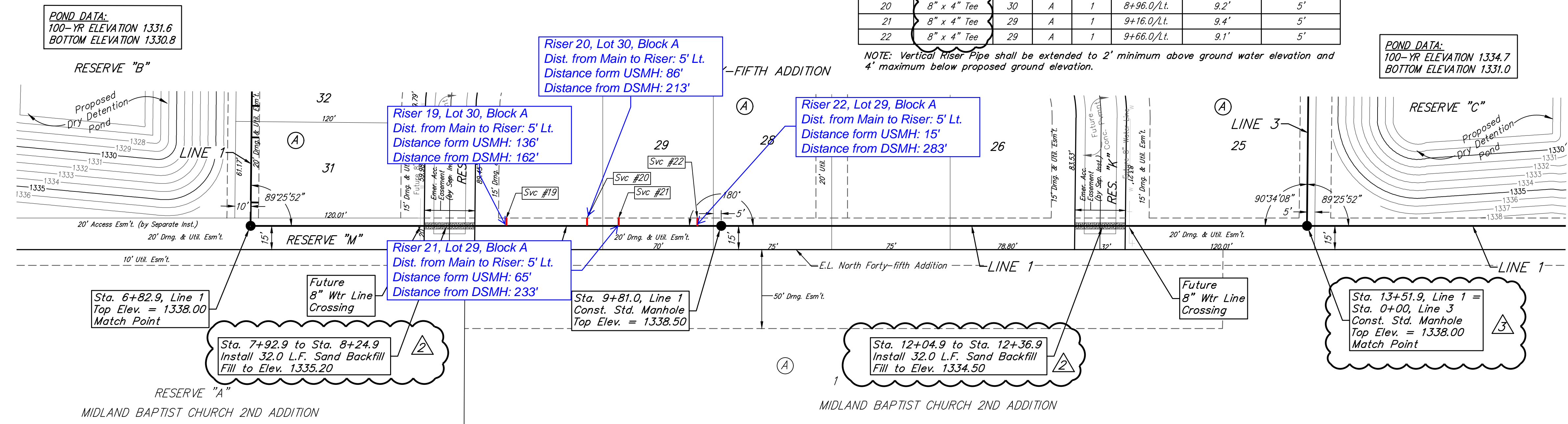
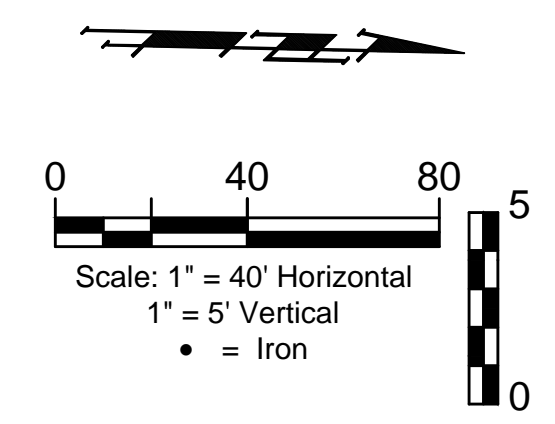
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NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION/DIRECTION	APPROXIMATE LENGTH 4" PIPE	VERTICAL
19	8" x 4" Tee	30	A	1	8+44.9/Lt.	9.4'	5'
20	8" x 4" Tee	30	A	1	8+96.0/Lt.	9.2'	5'
21	8" x 4" Tee	29	A	1	9+16.0/Lt.	9.4'	5'
22	8" x 4" Tee	29	A	1	9+66.0/Lt.	9.1'	5'

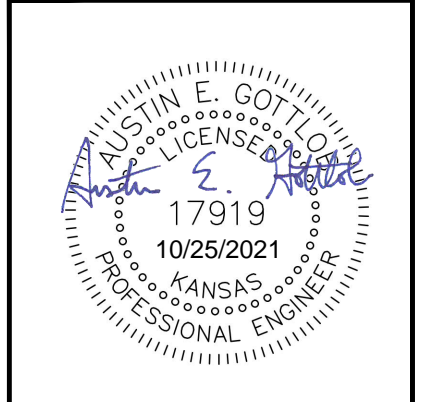
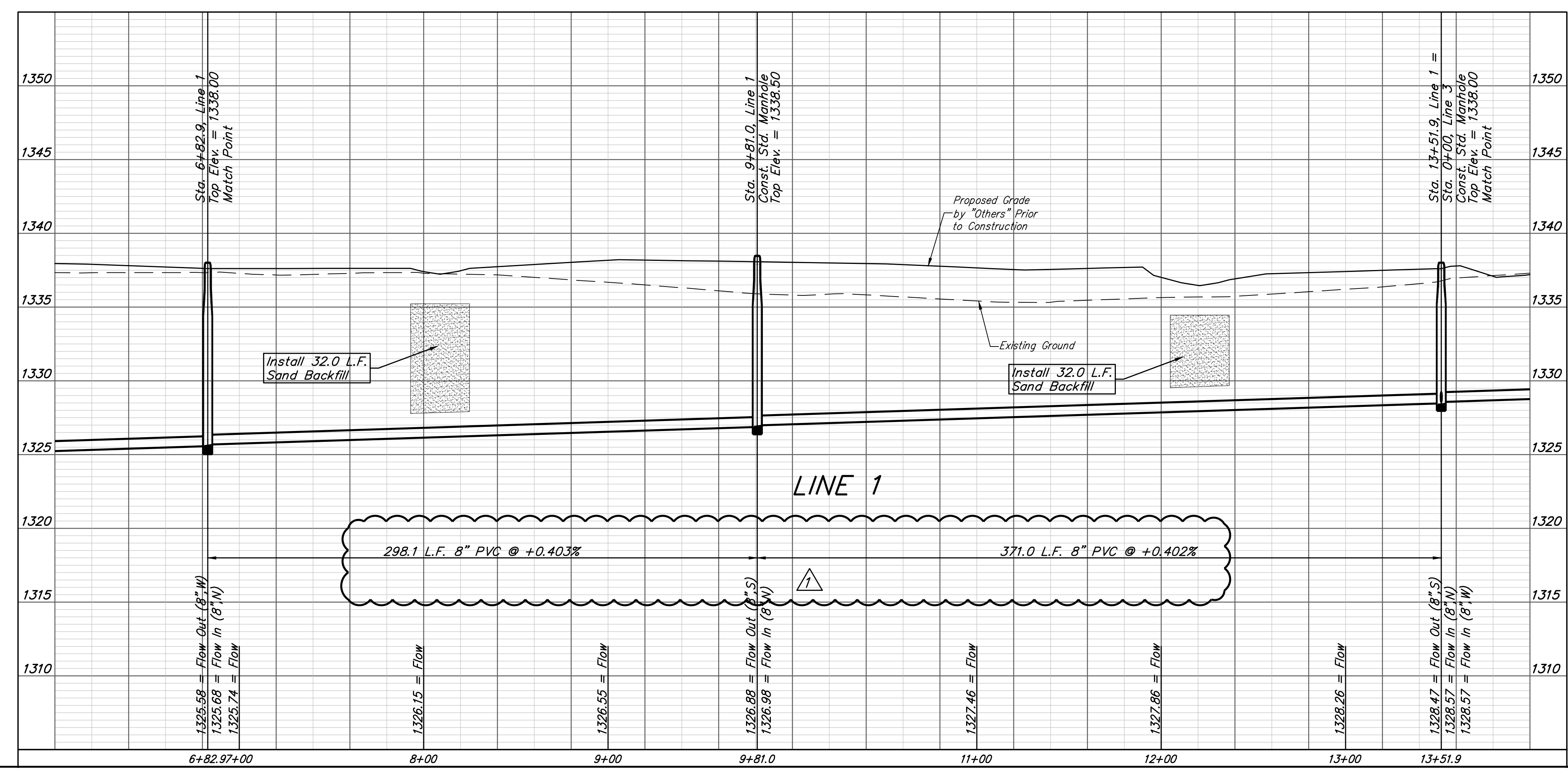
NOTE: Vertical Riser Pipe shall be extended to 2' minimum above ground water elevation and 4' maximum below proposed ground elevation.

POND DATA:  
 100-YR ELEVATION 1334.7  
 BOTTOM ELEVATION 1331.0



REVISION RECORD

NO.	DATE	DESCRIPTION	DR.	BY
3	10/18/21	Deleted 8" Stub (E)	JAK	AEG
2	10/18/21	Added Sand Backfill	JAK	AEG
1	10/18/21	10" pipe to 8" pipe	JAK	AEG



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

NORTH FORTY-FIFTH ADDITION  
**LINE 1**  
 SANITARY SEWER IMPROVEMENTS  
 PROJECT NUMBER:  
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 DESIGN: AEG DRAWN: JAK  
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 SHEET 3 OF 27

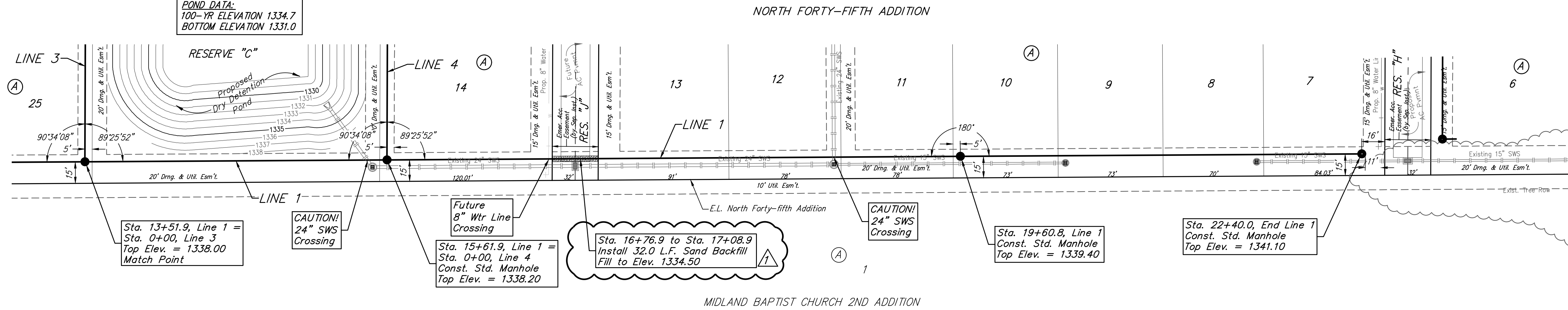
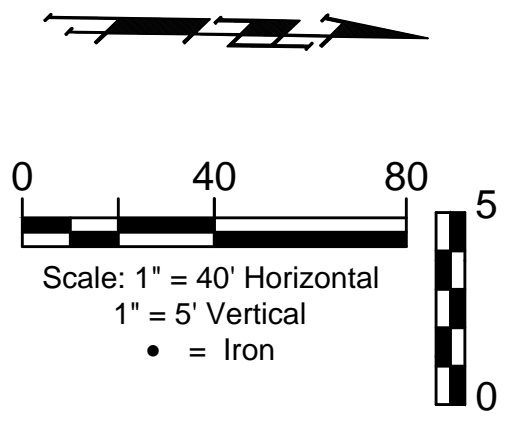
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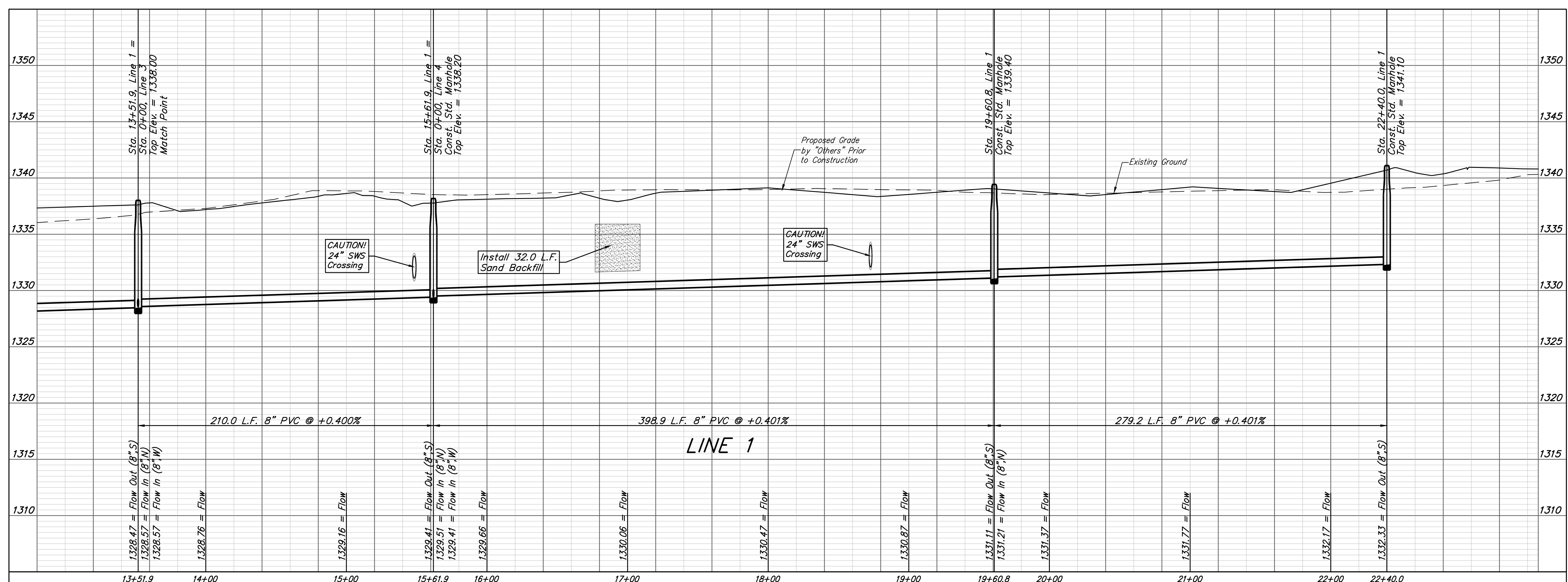
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REVISION RECORD

NO.	DATE	DESCRIPTION	DR.	BY
1	10/18/21	Added Sand Backfill	JAK	AEG



**BAUGHMAN COMPANY**

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

NORTH FORTY-FIFTH ADDITION

**LINE 1**

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER:  
 468-2020-034639

DESIGN: AEG DRAWN: JAK

DATE: Oct. 19, 2021

SHEET 4 OF 27

File: C:\Projects\North Forty-Fifth Addition\Residential\Engineering\SS\_20-12-E783.dwg

**BENCHMARKS:**  
 R.R. spike in S. face of power pole,  
 N. side of 45th St. N., 19.7' W. &  
 87.2' N. of NW Cor., Reserve "A",  
 North Forty-Fifth Addition,  
 Elev. = 1336.53 NAVD88

Cross cut, 1' N. & 1' E. of SW Cor.  
 of concrete parking lot of Midland  
 Baptist Church, 143.1' E. of SE  
 Lot 31, Block A, North Forty-Fifth  
 Addition,  
 Elev. = 1337.69 NAVD88

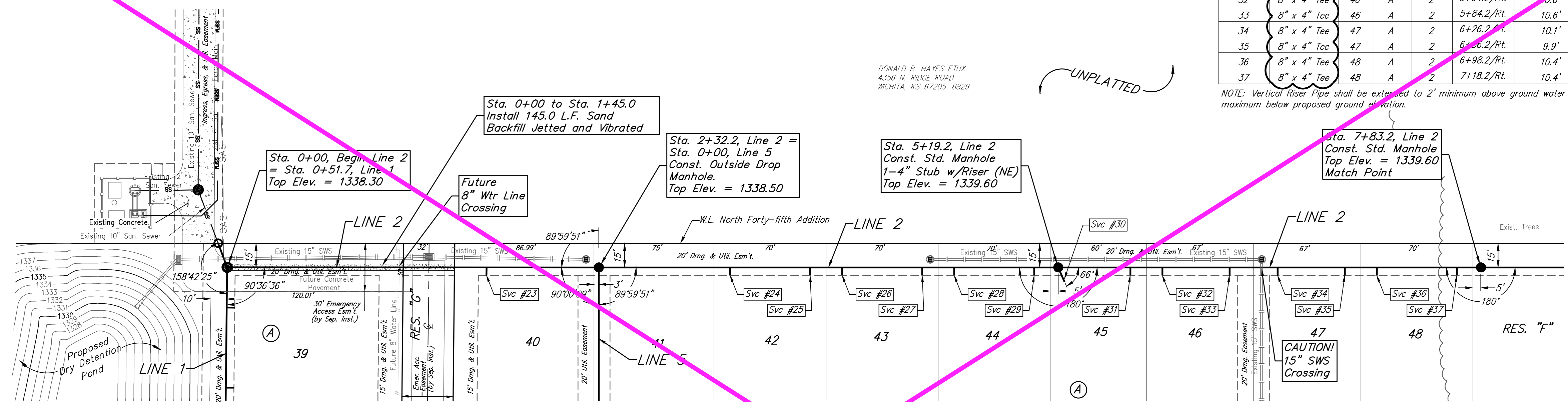
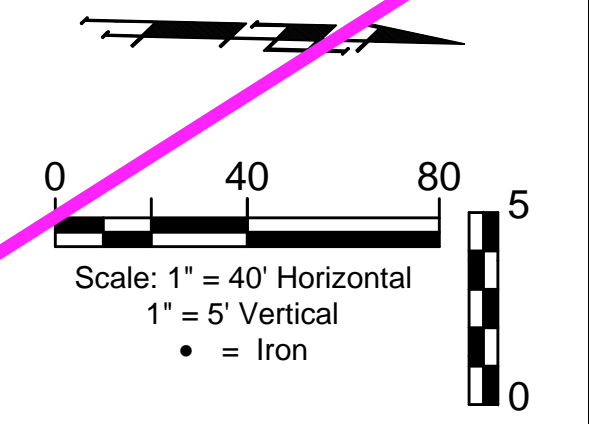
Crowsfoot cut, top of curb  
 centerline of radius 45', SE Cor. of  
 Ridge Rd. & 45th St. N., 36.9' E.  
 & 31.1' S. of NW Cor., Gov't Lot 6,  
 Sec. 27, Twp. 26-S, R-1-W,  
 Elev. = 1337.09 NAVD88

**SEE REVISED SHEET**

**SEWER SERVICE TABLE**

NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION/DIRECTION	APPROXIMATE LENGTH 4" PIPE	
						VERTICAL	HORIZONTAL
23	8" x 4" Tee	40	A	2	1+62.0/Rt.	11.2'	5'
24	8" x 4" Tee	42	A	2	3+14.2/Rt.	10.4'	5'
25	8" x 4" Tee	42	A	2	3+64.2/Rt.	10.7'	5'
26	8" x 4" Tee	43	A	2	3+64.2/Rt.	10.7'	5'
27	8" x 4" Tee	43	A	2	3+84.2/Rt.	10.7'	5'
28	8" x 4" Tee	44	A	2	4+34.2/Rt.	10'	5'
29	8" x 4" Tee	44	A	2	4+54.2/Rt.	10.1'	5'
30	4" Stub	45	A	2	5+01.2/Rt.	10.3'	5'
31	8" x 4" Tee	45	A	2	5+19.2/Rt.	10.5'	5'
32	8" x 4" Tee	46	A	2	5+64.2/Rt.	10.6'	5'
33	8" x 4" Tee	46	A	2	5+84.2/Rt.	10.6'	5'
34	8" x 4" Tee	47	A	2	6+26.2/Rt.	10.1'	5'
35	8" x 4" Tee	47	A	2	6+06.2/Rt.	9.9'	5'
36	8" x 4" Tee	48	A	2	6+98.2/Rt.	10.4'	5'
37	8" x 4" Tee	48	A	2	7+18.2/Rt.	10.4'	5'

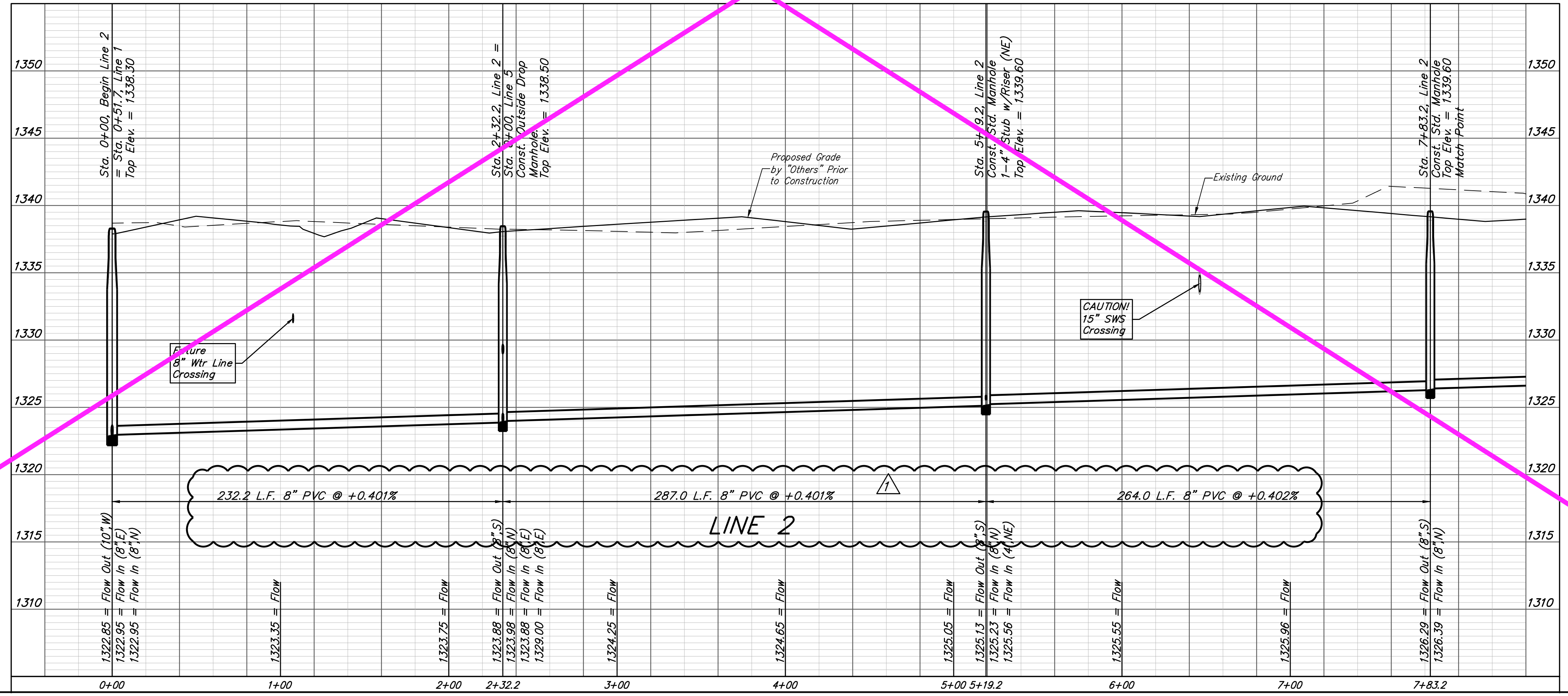
NOTE: Vertical Riser Pipe shall be extended to 2' minimum above ground water elevation and 4' maximum below proposed ground elevation.



**POND DATA:**  
 100-YR ELEVATION 1331.6  
 BOTTOM ELEVATION 1330.8

REVISION RECORD

NO.	DATE	DESCRIPTION	DR.	BY
1	10/18/21	10" pipe to 8" pipe	JAK	AEG



**BAUGHMAN COMPANY**

315 Ellis St.  
 Wichita, KS 67211  
 BaughmanCo.com

NORTH FORTY-FIFTH ADDITION

**LINE 2**

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER:  
 468-2020-034639

DESIGN: AEG DRAWN: JAK

DATE: Oct. 19, 2021

SHEET 5 OF 27

**BENCHMARKS:**  
 R.R. spike in S. face of power pole,  
 N. side of 45th St. N., 19.7' W. &  
 87.2' N. of NW Cor., Reserve "A",  
 North Forty-Fifth Addition.  
 Elev. = 1336.53 NAVD88

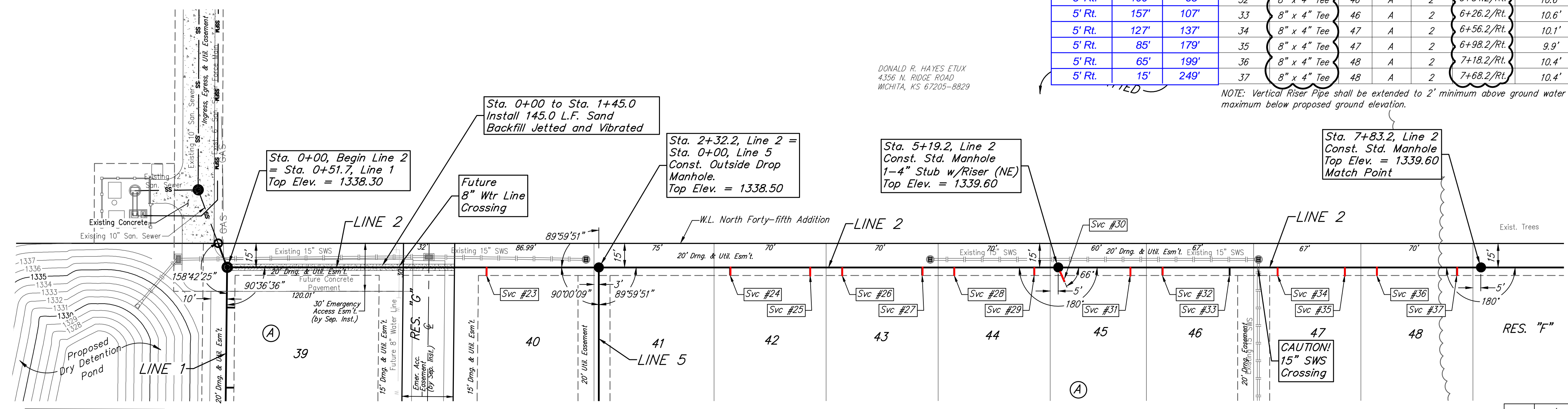
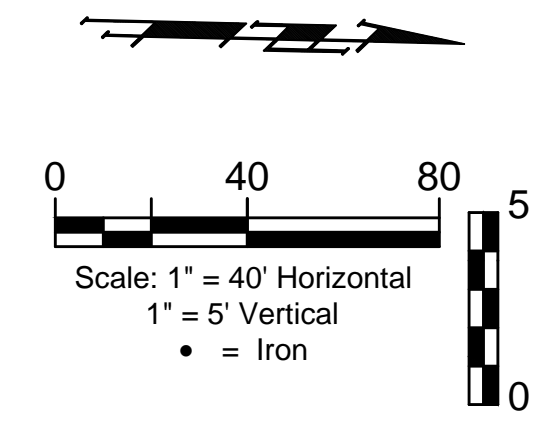
Cross cut, 1' N. & 1' E. of SW Cor.  
 of concrete parking lot of Midland  
 Baptist Church, 143.1' E. of SE Cor.,  
 Lot 31, Block A, North Forty-Fifth  
 Addition.  
 Elev. = 1337.69 NAVD88

Crowsfoot cut, top of curb,  
 centerline of radius 4', SE Cor. of  
 Ridge Rd. & 45th St. N., 36.9' E.  
 & 31.1' S. of NW Cor., Gov't Lot 6,  
 Sec. 27, Twp. 26-S, R-1-W.  
 Elev. = 1337.09 NAVD88

SEWER SERVICE TABLE

Distance from Main to Riser (Lt./Rt.)	Distance from		NUMBER	TYPE	LOCATION			FOR INFORMATION ONLY		
	USMH	DSMH			LOT NO.	BLOCK NO.	LINE NO.	STATION/ DIRECTION	APPROXIMATE LENGTH 4" PIPE	VERTICAL
5' Rt.	70'	162'	23	8" x 4" Tee	40	A	2	1+62.0/Rt.	11.2'	5'
5' Rt.	205'	82'	24	8" x 4" Tee	42	A	2	3+14.2/Rt.	10.4'	5'
5' Rt.	155'	132'	25	8" x 4" Tee	42	A	2	3+64.2/Rt.	10.7'	5'
5' Rt.	135'	152'	26	8" x 4" Tee	43	A	2	3+84.2/Rt.	10.7'	5'
5' Rt.	85'	202'	27	8" x 4" Tee	43	A	2	4+34.2/Rt.	10.7'	5'
5' Rt.	65'	222'	28	8" x 4" Tee	44	A	2	4+54.2/Rt.	10'	5'
5' Rt.	18'	269'	29	8" x 4" Tee	44	A	2	5+01.2/Rt.	10.1'	5'
10' Rt.	@ mh	@ mh	30	4" Stub	45	A	2	5+19.2/Rt.	10.3'	10'
5' Rt.	219'	45'	31	8" x 4" Tee	45	A	2	5+64.2/Rt.	10.5'	5'
5' Rt.	199'	65'	32	8" x 4" Tee	46	A	2	5+84.2/Rt.	10.6'	5'
5' Rt.	157'	107'	33	8" x 4" Tee	46	A	2	6+26.2/Rt.	10.6'	5'
5' Rt.	127'	137'	34	8" x 4" Tee	47	A	2	6+56.2/Rt.	10.1'	5'
5' Rt.	85'	179'	35	8" x 4" Tee	47	A	2	6+98.2/Rt.	9.9'	5'
5' Rt.	65'	199'	36	8" x 4" Tee	48	A	2	7+18.2/Rt.	10.4'	5'
5' Rt.	15'	249'	37	8" x 4" Tee	48	A	2	7+68.2/Rt.	10.4'	5'

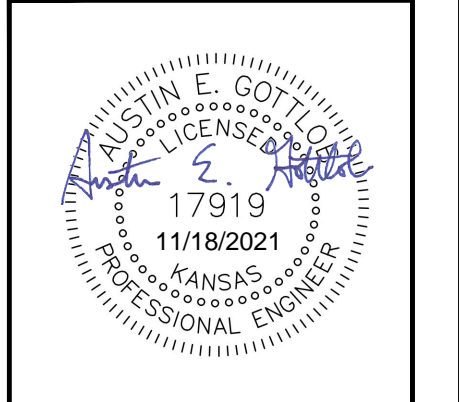
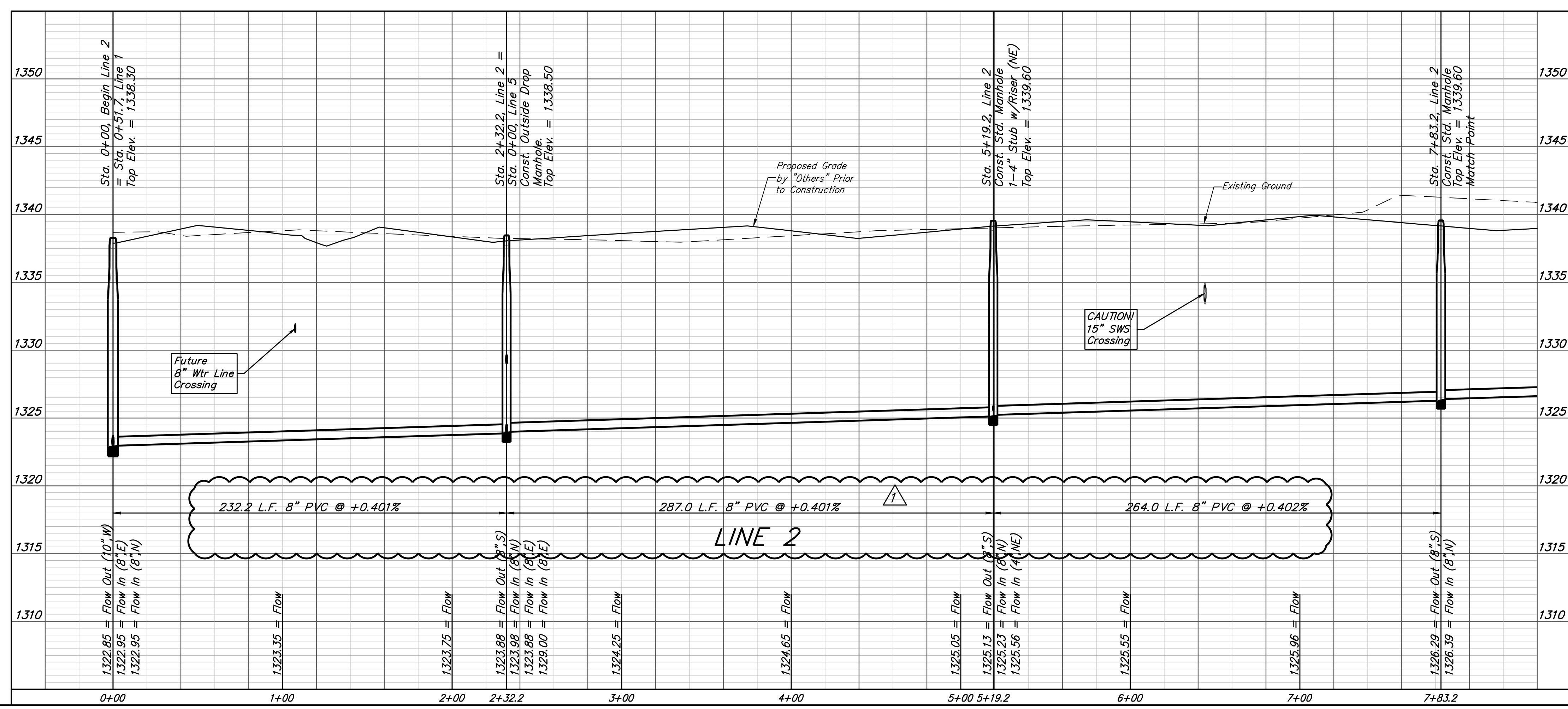
NOTE: Vertical Riser Pipe shall be extended to 2' minimum above ground water elevation and 4' maximum below proposed ground elevation.



**POND DATA:**  
 100-YR ELEVATION 1331.6  
 BOTTOM ELEVATION 1330.8

REVISION RECORD

NO.	DATE	DESCRIPTION	DR.	BY
2	11/17/21	Corrected svc stations	JAK	AEG
1	10/18/21	10" pipe to 8" pipe	JAK	AEG



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

NORTH FORTY-FIFTH ADDITION  
**LINE 2**  
 SANITARY SEWER IMPROVEMENTS  
 PROJECT NUMBER: 468-2020-034639  
 DESIGN: AEG DRAWN: JAK  
 DATE: Oct. 19, 2021  
 SHEET 5 OF 27

File: C:\Projects\North Forty-Fifth Addition(Residential)\_Engineering\SS\_20-12-E783.dwg

**BENCHMARKS:**  
 R.R. Spike in S. face of power pole,  
 N. side of 45th St. N., 19.7' W. &  
 87.2' N. of NW Cor., Reserve "A",  
 North Forty-Fifth Addition.  
 Elev = 1336.53 NAVD88

Cross cut, 1' N. & 1' E. of SW Cor.  
 of concrete parking lot of Midwest  
 Baptist Church, 143.1' E. of SE  
 Lot 31, Block A, North Forty-Fifth  
 Addition.  
 Elev = 1337.69 NAVD88

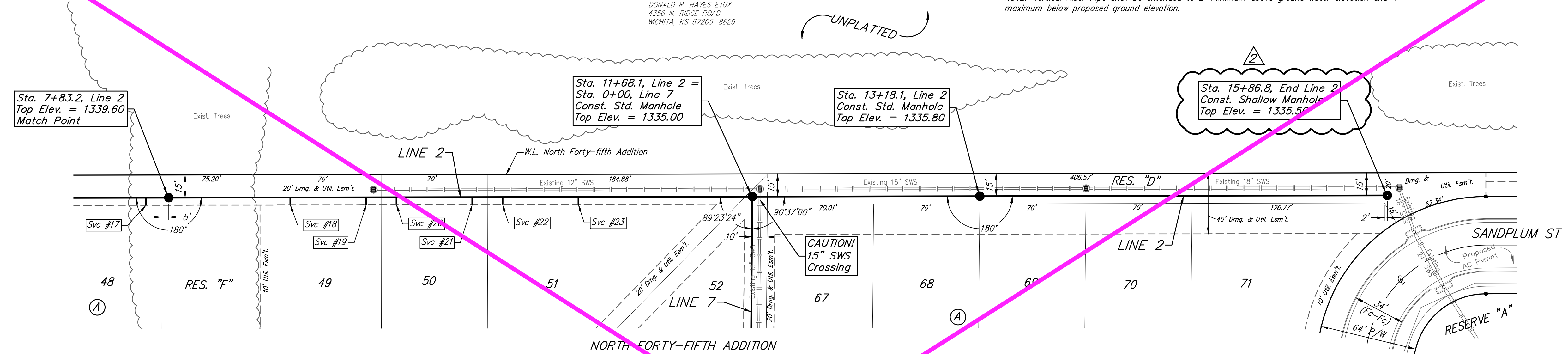
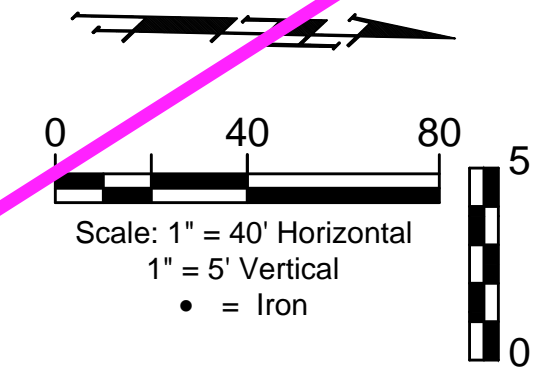
Crowsfoot cut, top of curb,  
 centerline of radius 45', SE Cor. of  
 Ridge Rd. & 45th St. N., 36.9' E.  
 & 31.1' S. of NW Cor., Gov't Lot 6,  
 Sec. 27, Twp. 26-S, R-1-W.  
 Elev = 1337.09 NAVD88

**SEE REVISED SHEET**

**SEWER SERVICE TABLE**

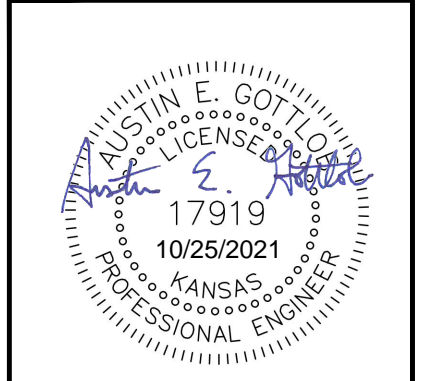
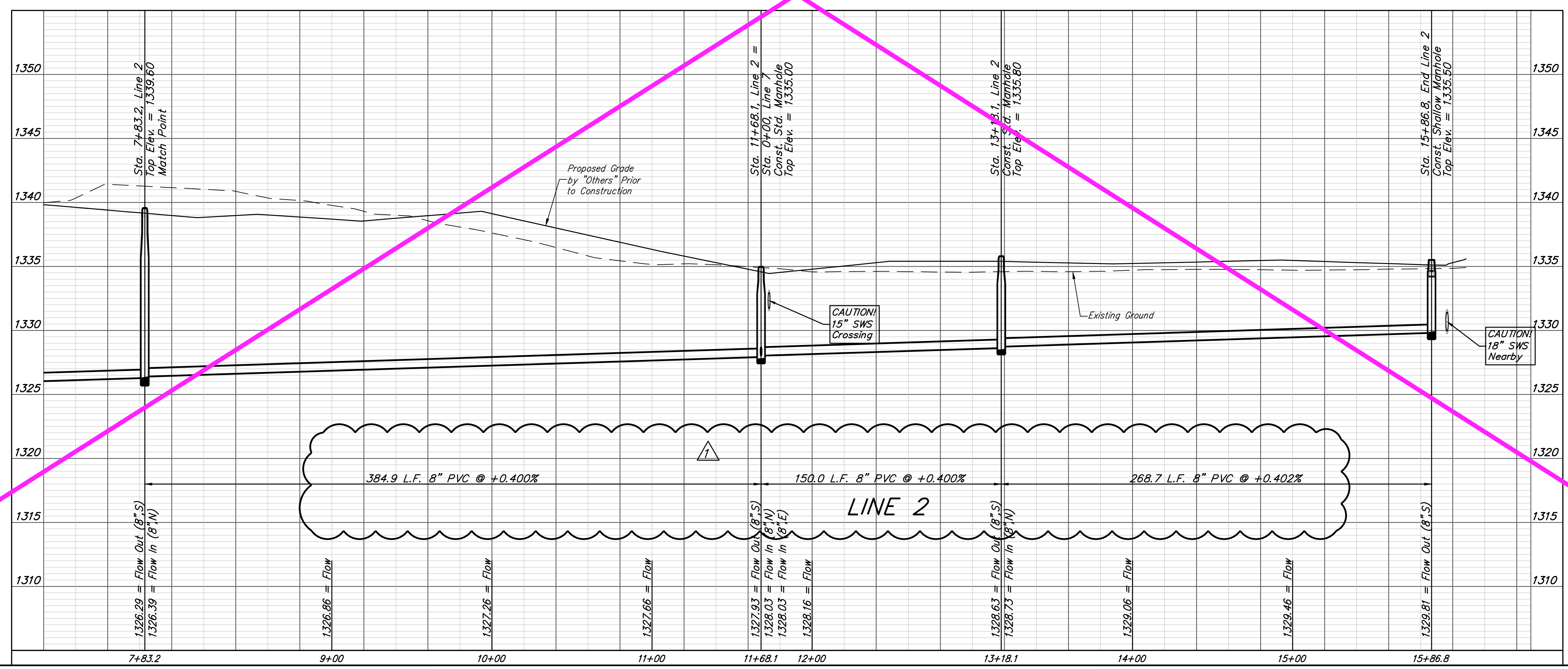
NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION/ DIRECTION	APPROXIMATE LENGTH 4" PIPE VERTICAL	HORIZONTAL
18	8" x 4" Tee	49	A	2	8+63.3/Rt	8.8'	5'
19	8" x 4" Tee	49	A	2	9+13.3/Rt	8.3'	5'
20	8" x 4" Tee	50	A	2	8+33.3/Rt	8.3'	5'
21	8" x 4" Tee	50	A	2	9+83.4/Rt	8.7'	5'
22	8" x 4" Tee	51	A	2	10+03.4/Rt	8.6'	5'
23	8" x 4" Tee	51	A	2	10+53.4/Rt	7.5'	5'

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



REVISION RECORD

NO.	DATE	DESCRIPTION	DR.	BY
2	10/18/21	Changed Std. Manhole to Shallow Manhole, Deleted 8" Stub (W)	JAK	AEG
1	10/18/21	10" pipe to 8" pipe	JAK	AEG



**BAUGHMAN COMPANY**

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NORTH FORTY-FIFTH ADDITION

**LINE 2**

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER:  
 468-2020-034639

DESIGN: AEG DRAWN: JAK

DATE: OCT. 19, 2021

SHEET 6 OF 27

File: C:\Projects\North Forty-Fifth Addition(Residential)...Engineering\SS\_20-12-E783.dwg

**BENCHMARKS:**  
 R.R. spike in S. face of power pole,  
 N. side of 45th St. N., 19.7' W. &  
 87.2' N. of NW Cor., Reserve "A",  
 North Forty-Fifth Addition.  
 Elev = 1336.53 NAVD88

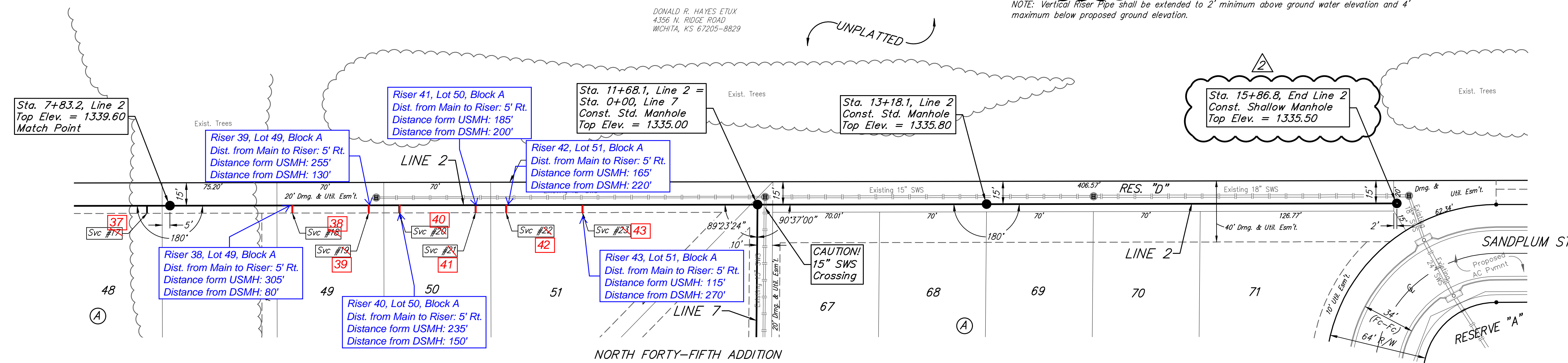
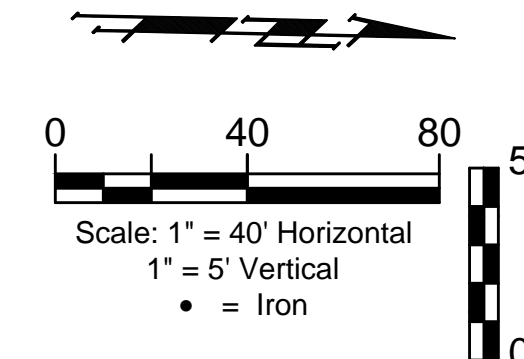
Cross cut, 1' N. & 1' E. of SW Cor.  
 of concrete parking lot of Midland  
 Baptist Church, 143.1' E. of SE Cor.,  
 Lot 31, Block A, North Forty-Fifth  
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 Elev. = 1337.69 NAVD88

Crowsfoot cut, top of curb,  
 centerline of radius  $\pm$ , SE Cor. of  
 Ridge Rd. & 45th St. N., 36.9' E.  
 & 31.1' S. of NW Cor., Gov't Lot 6,  
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 Elev. = 1337.09 NAVD88

SEWER SERVICE TABLE

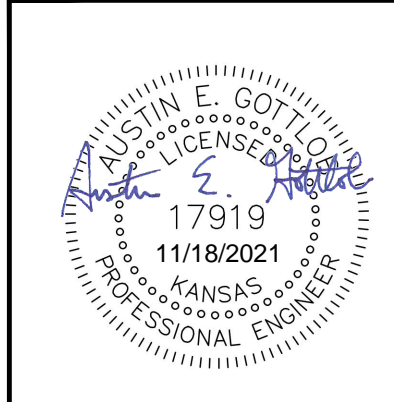
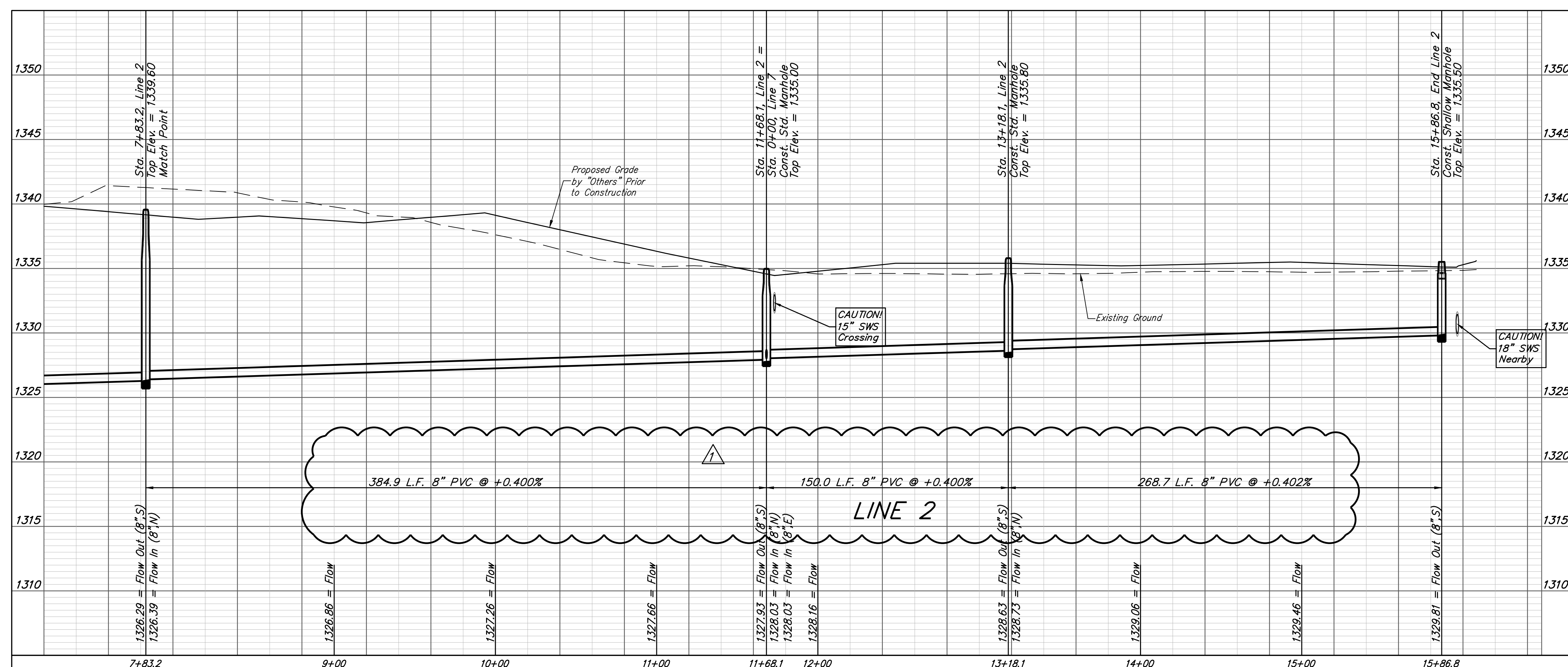
NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION/ DIRECTION	APPROXIMATE LENGTH 4" PIPE	
38	18"	49	A	2	8+63.3/Rt	8.8'	5'
39	18"	49	A	2	9+13.3/Rt	8.3'	5'
40	28"	50	A	2	9+33.3/Rt	8.3'	5'
41	28"	50	A	2	9+83.4/Rt	8.7'	5'
42	28"	51	A	2	10+03.4/Rt	8.6'	5'
43	28"	51	A	2	10+53.4/Rt	7.5'	5'

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



REVISION RECORD

NO.	DATE	DESCRIPTION	DR.	BY
3	11/17/21	Corrected svc station	JAK	AEG
2	10/18/21	Changed Std. Manhole to Shallow Manhole, Deleted 8" Stub (W)	JAK	AEG
1	10/18/21	10" pipe to 8" pipe	JAK	AEG



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NORTH FORTY-FIFTH ADDITION

**LINE 2**

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER:  
468-2020-034639

DESIGN: AEG DRAWN: JAK

DATE: Oct. 19, 2021

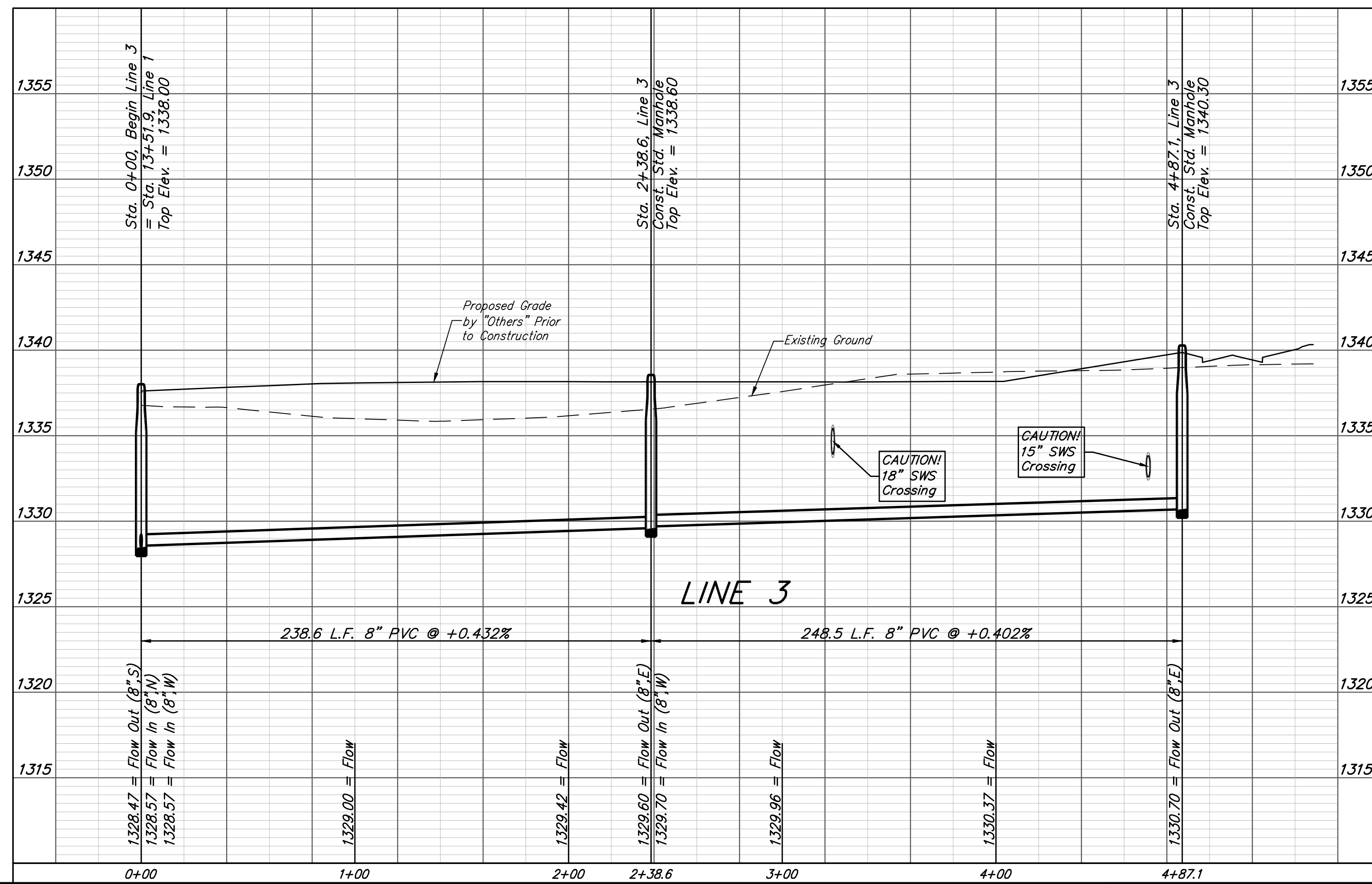
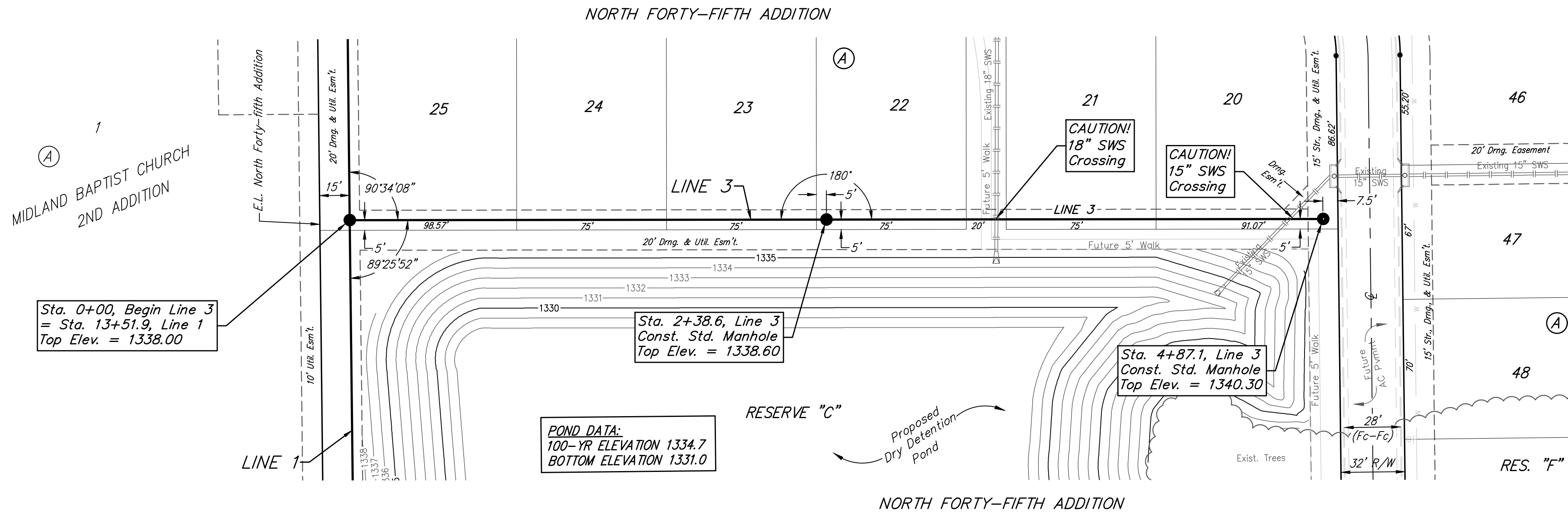
SHEET 6 OF 27

File: C:\Projects\North Forty-Fifth Addition (Residential)\_Engineering\SS\_20-12-E783.dwg

**BENCHMARKS:**  
 R.R. spike in S. face of power pole,  
 N. side of 45th St. N., 19.7' W. &  
 87.2' N. of NW Cor., Reserve "A",  
 North Forty-Fifth Addition.  
 Elev = 1336.53 NAVD88

Cross cut, 1' N. & 1' E. of SW Cor.  
 of concrete parking lot of Midland  
 Baptist Church, 143.1' E. of SE Cor.,  
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 Addition.  
 Elev. = 1337.69 NAVD88

Crowsfoot cut, top of curb,  
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 & 31.1' S. of NW Cor., Gov't Lot 6,  
 Sec. 27, Twp. 26-S, R-1-W.  
 Elev. = 1337.09 NAVD88



**BAUGHMAN COMPANY**

315 Ellis St.  
 Wichita, KS 67211  
 316-262-7271  
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**LINE 3**

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER:  
 468-2020-034639

DESIGN: AEG DRAWN: JAK

DATE: Oct. 19, 2021

SHEET 7 OF 27

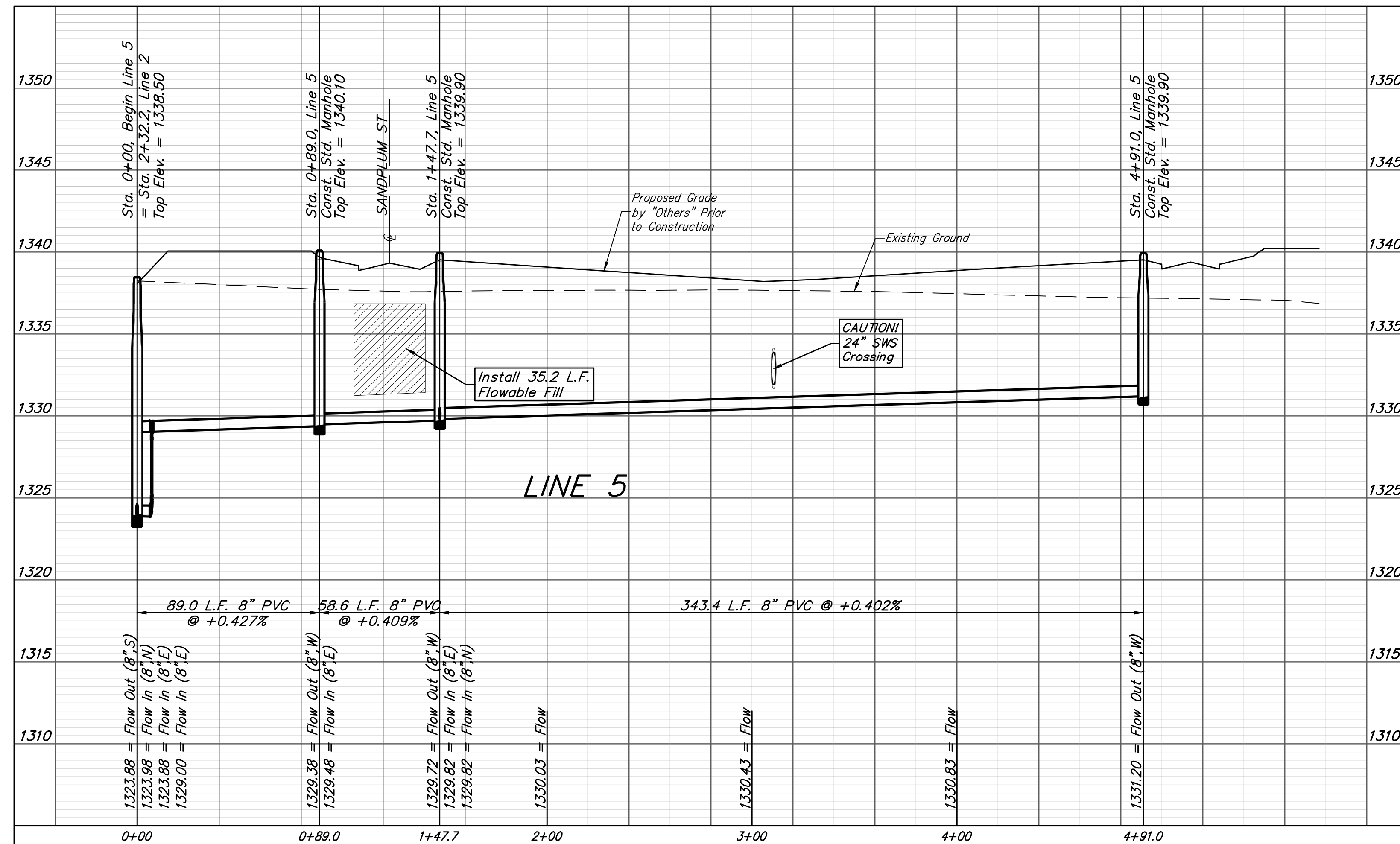
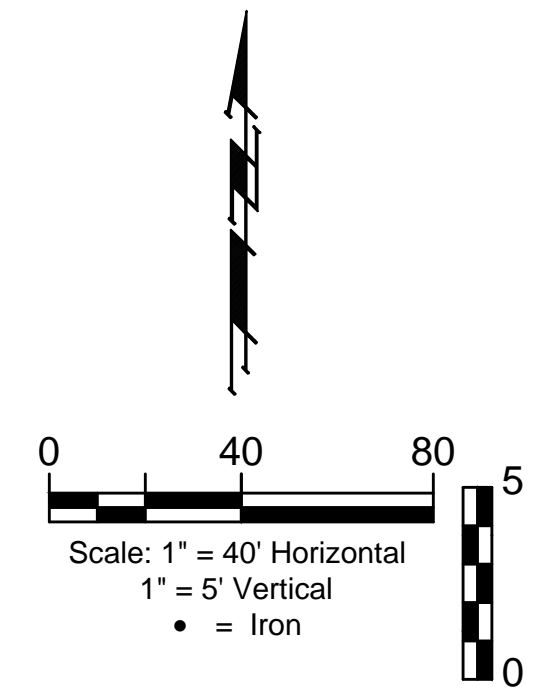
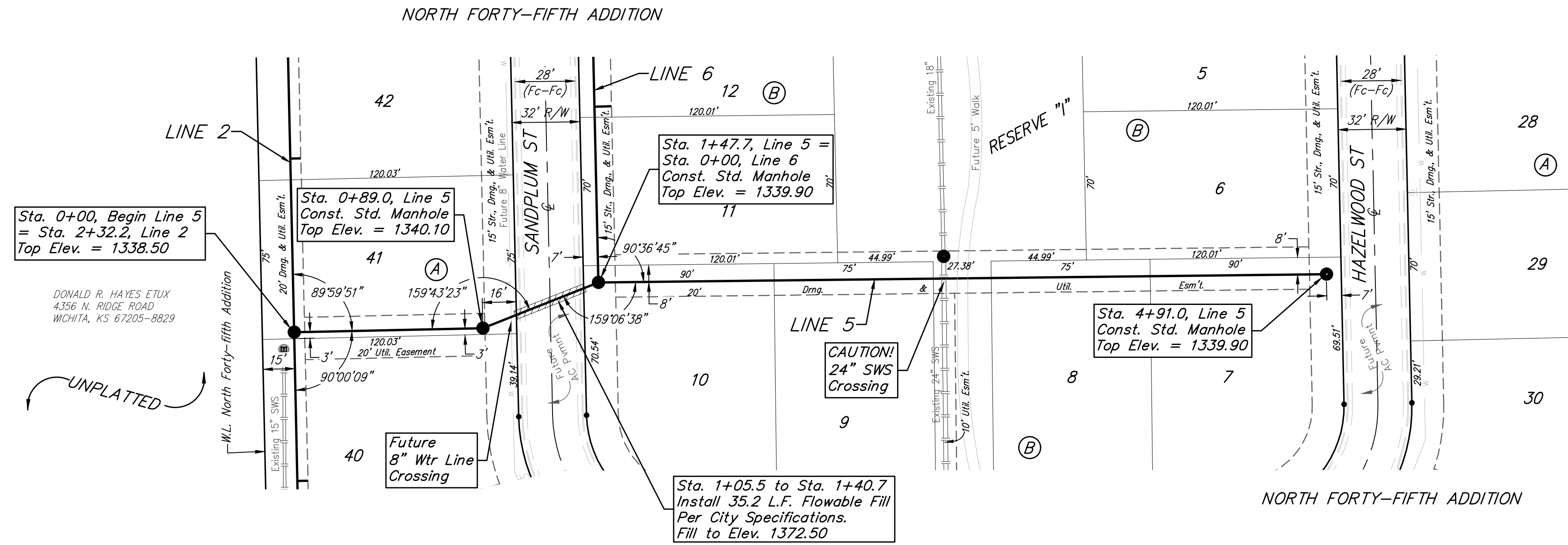
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 R.R. spike in S. face of power pole,  
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Crowsfoot cut, top of curb,  
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 Sec. 27, Twp. 26-S, R-1-W.  
 Elev. = 1337.09 NAVD88



**BAUGHMAN COMPANY**

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

NORTH FORTY-FIFTH  
 ADDITION

**LINE 5**

SANITARY SEWER  
 IMPROVEMENTS

PROJECT NUMBER:  
 468-2020-034639

DESIGN: AEG DRAWN: JAK

DATE: Oct. 19, 2021

SHEET 9 OF 27

**BENCHMARKS:**  
 R.R. spike in S. face of power pole,  
 N. side of 45th St. N., 19.7' W. &  
 87.2' N. of NW Cor., Reserve "A",  
 North Forty-Fifth Addition.  
 Elev. = 1336.53 NAVD88

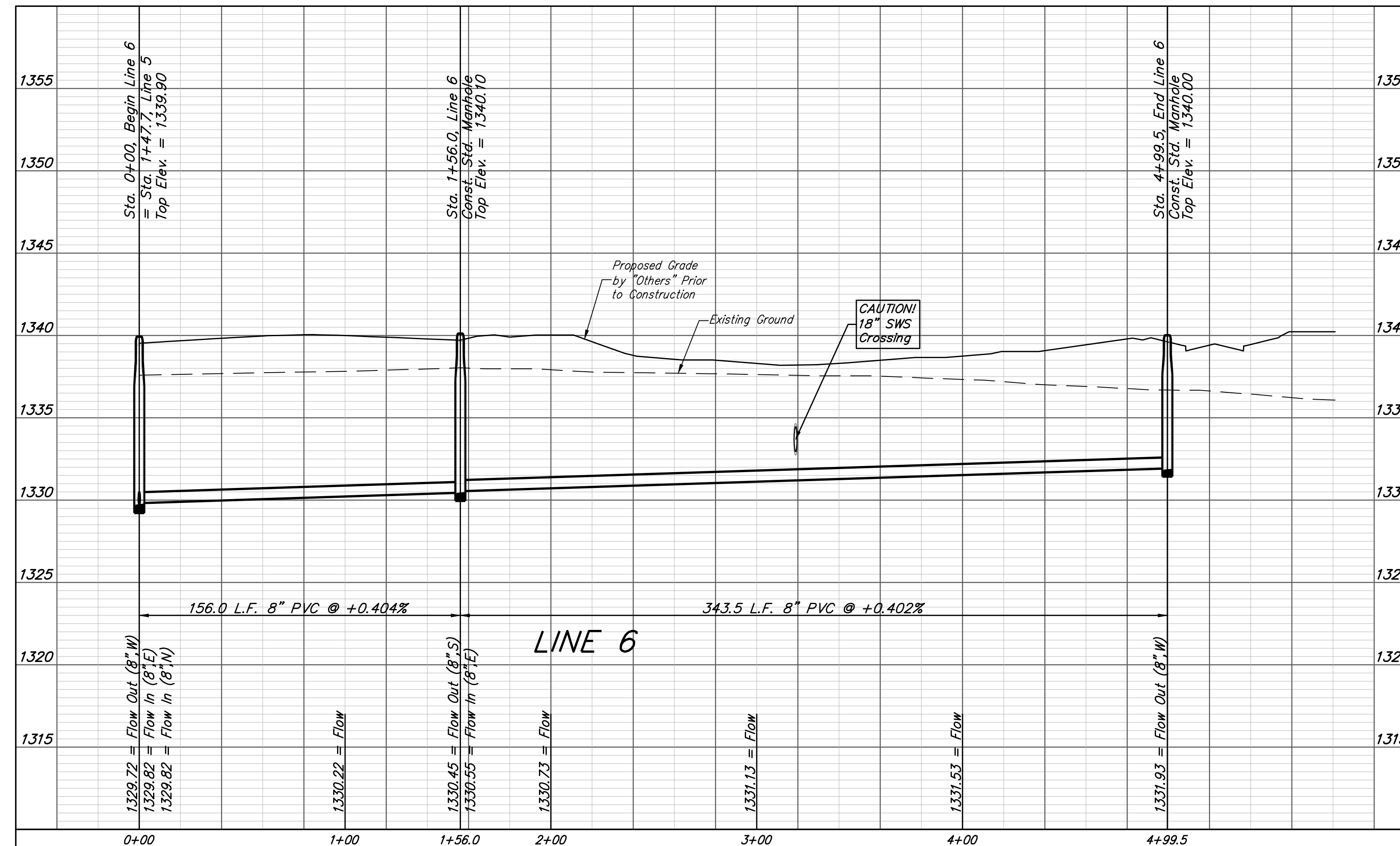
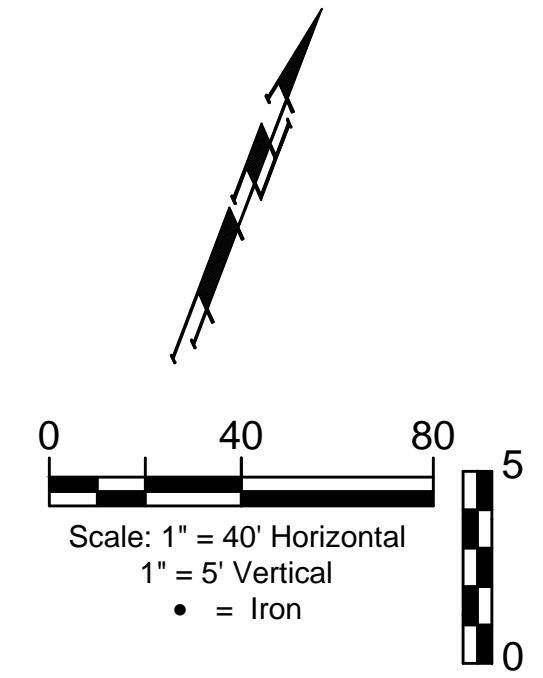
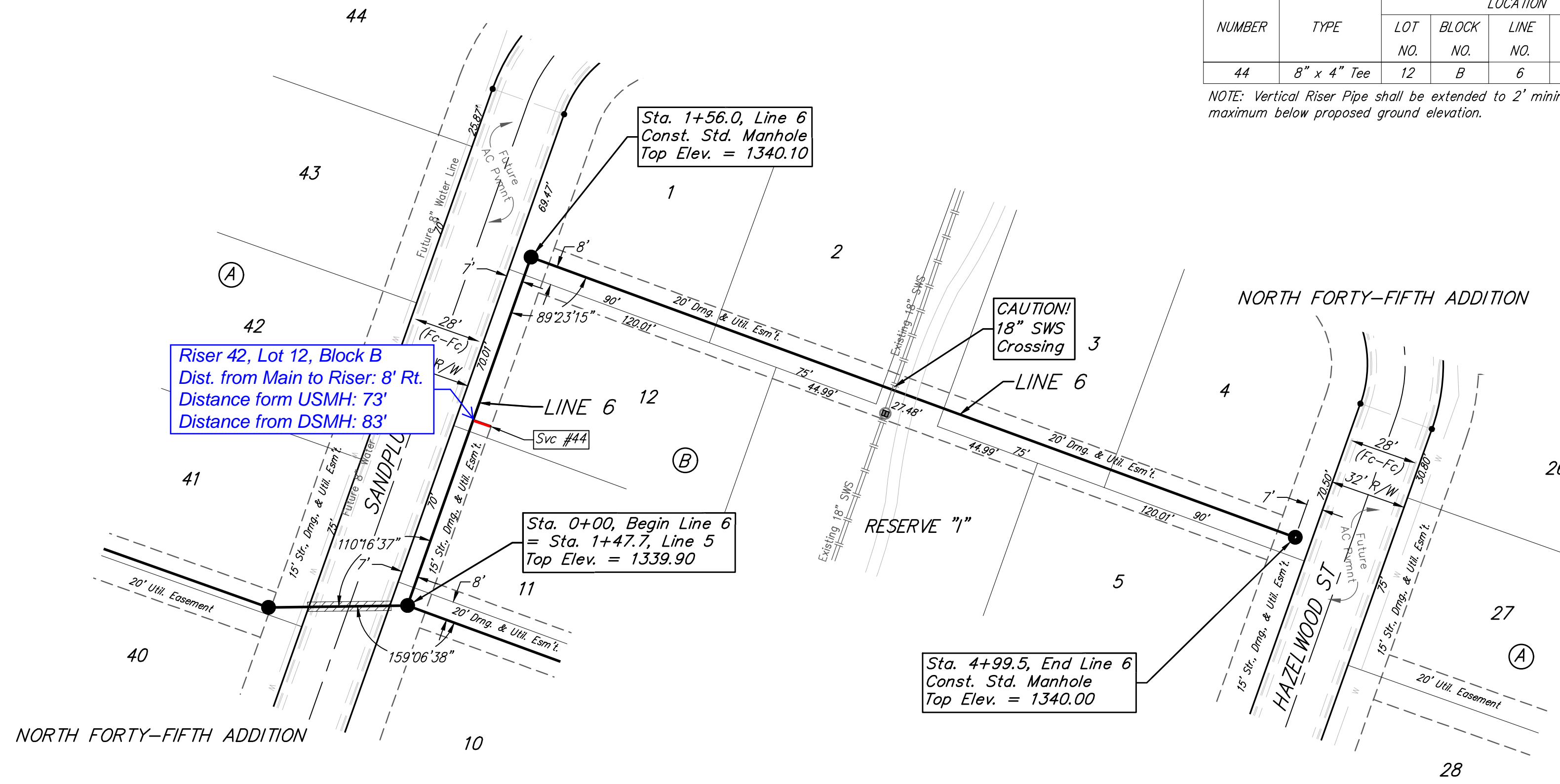
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Crowsfoot cut, top of curb,  
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 Ridge Rd. & 45th St. N., 36.9' E.  
 & 31.1' S. of NW Cor., Gov't Lot 6,  
 Sec. 27, Twp. 26-S, R-1-W.  
 Elev. = 1337.09 NAVD88

SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION/DIRECTION	APPROXIMATE LENGTH 4" PIPE	VERTICAL
44	8" x 4" Tee	12	B	6	0+83.0/RL	6.1'	8'

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



**BAUGHMAN COMPANY**  
 315 Ellis St.  
 Wichita, KS 67211  
 316-262-7271  
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**NORTH FORTY-FIFTH ADDITION**

**LINE 6**

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER: 468-2020-034639

DESIGN: AEG DRAWN: JAK

DATE: Oct. 19, 2021

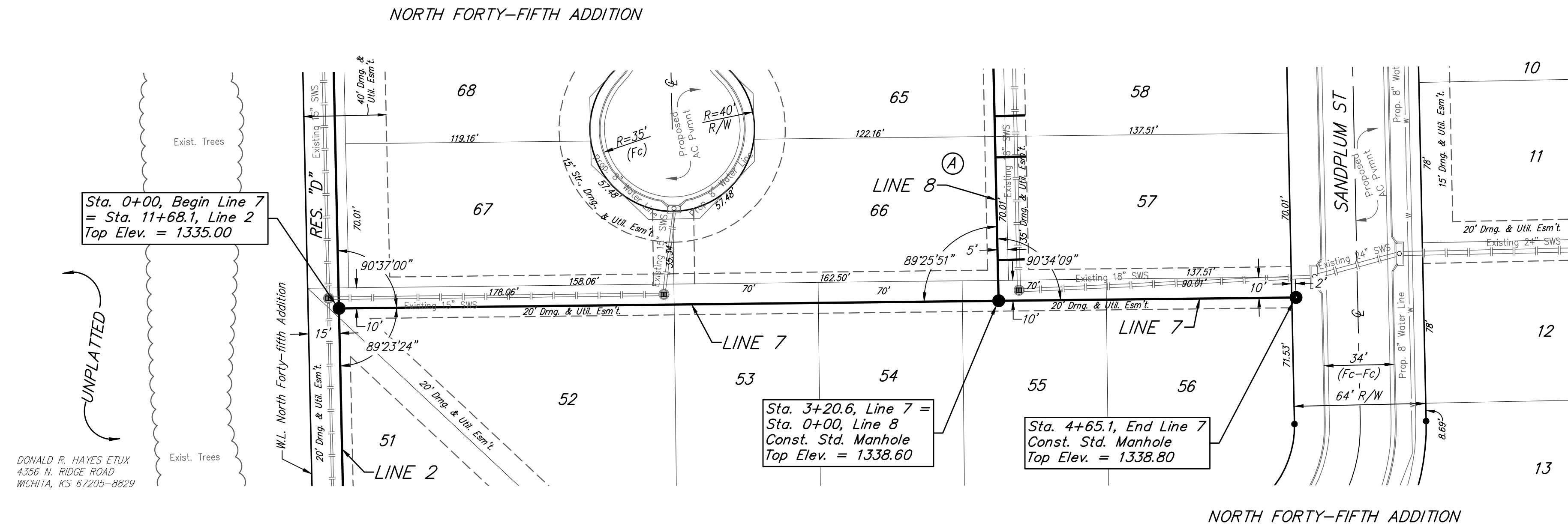
SHEET 10 OF 27

Professional Engineer Seal: AUSTIN E. GOTTSCHALK, LICENSE # 17919, 10/25/2021, KANSAS PROFESSIONAL ENGINEER.

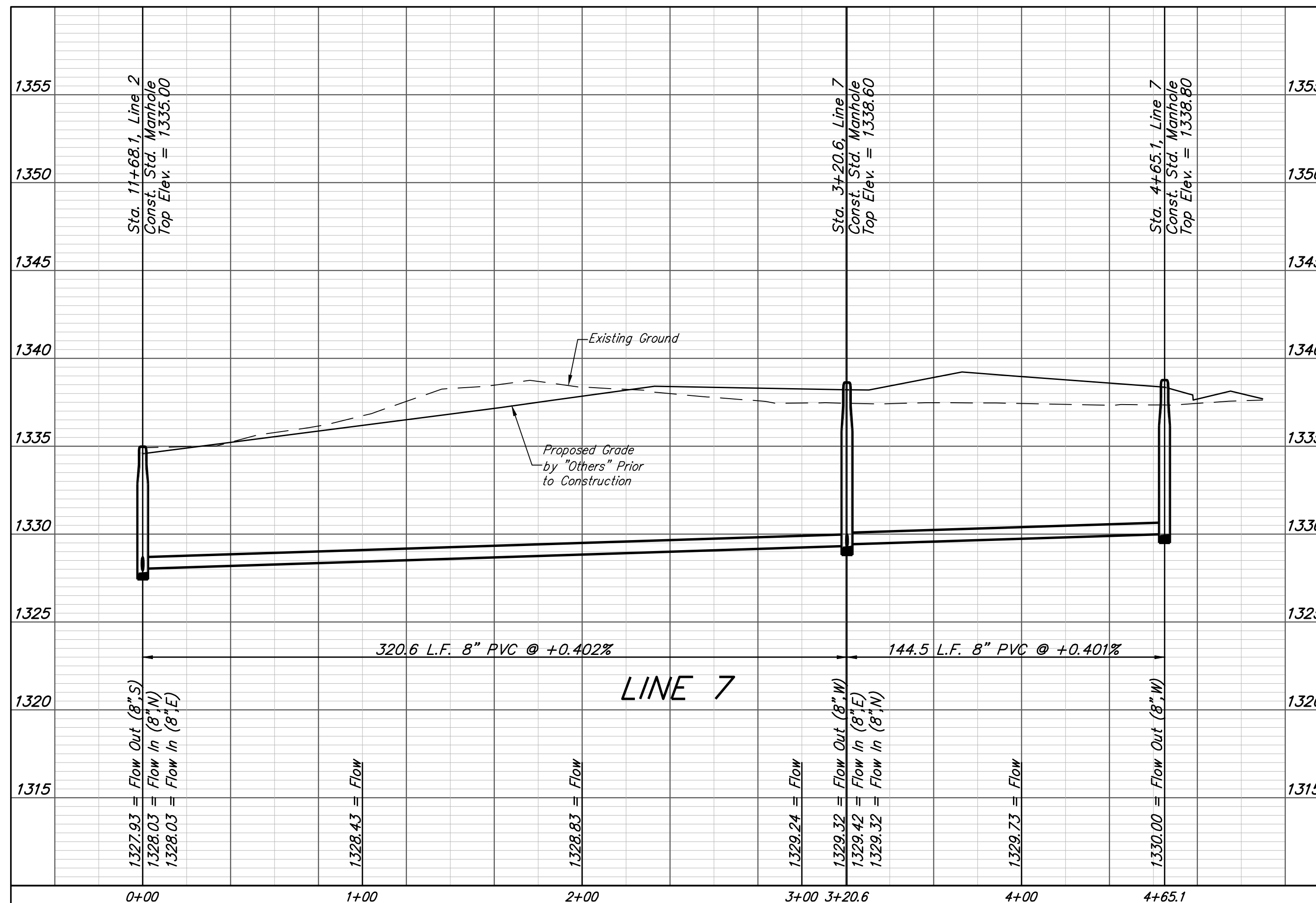
**BENCHMARKS:**  
 R.R. spike in S. face of power pole,  
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Cross cut, 1' N. & 1' E. of SW Cor.  
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Crowsfoot cut, top of curb  
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 Sec. 27, Twp. 26-S, R-1-W.  
 Elev. = 1337.09 NAVD88



DONALD R. HAYES ETUX  
 4356 N. RIDGE ROAD  
 WICHITA, KS 67205-8829



**BAUGHMAN  
COMPANY**

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

NORTH FORTY-FIFTH  
ADDITION

**LINE 7**

SANITARY SEWER  
IMPROVEMENTS

PROJECT NUMBER:  
468-2020-034639

DESIGN: AEG DRAWN: JAK

DATE: Oct. 19, 2021

SHEET 11 OF 27

**BENCHMARKS:**  
 R.R. spike in S. face of power pole,  
 N. side of 45th St. N., 19.7' W. &  
 87.2' N. of NW Cor., Reserve "A",  
 North Forty-Fifth Addition.  
 Elev. = 1336.53 NAVD88

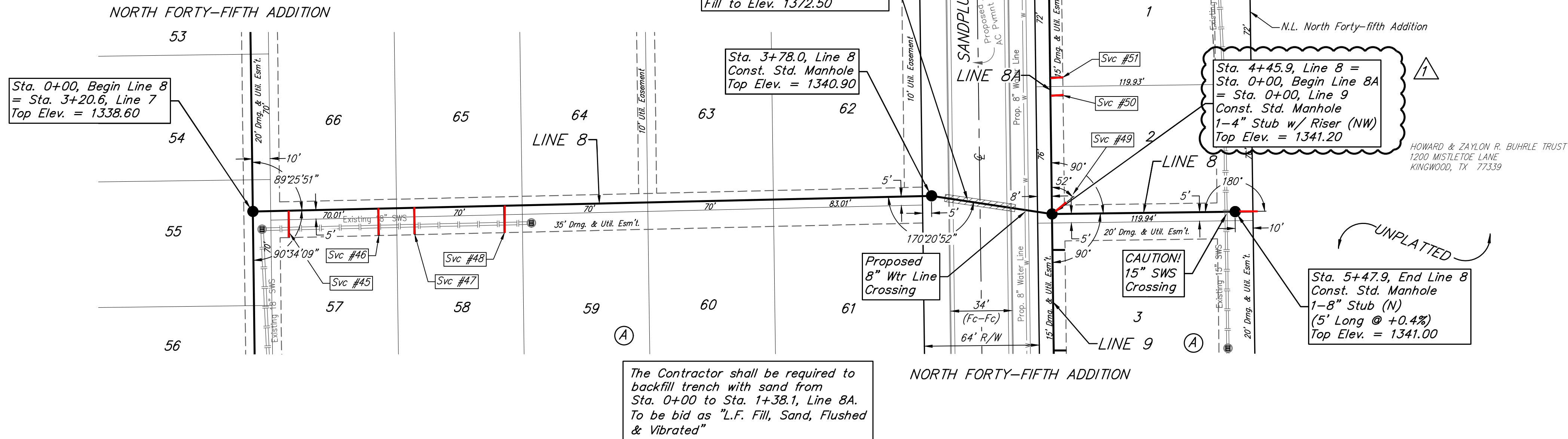
Cross cut, 1' N. & 1' E. of SW Cor.  
 of concrete parking lot of Midland  
 Baptist Church, 143.1' E. of SE Cor.,  
 Lot 31, Block A, North Forty-Fifth  
 Addition.  
 Elev. = 1337.69 NAVD88

Crowsfoot cut, top of curb,  
 centerline of radius ±, SE Cor. of  
 Ridge Rd. & 45th St. N., 36.9' E.  
 & 31.1' S. of NW Cor., Gov't Lot 6,  
 Sec. 27, Twp. 26-S, R-1-W.  
 Elev. = 1337.09 NAVD88

**SEWER SERVICE TABLE**

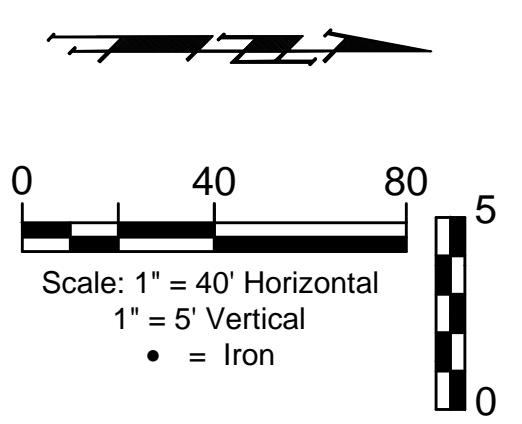
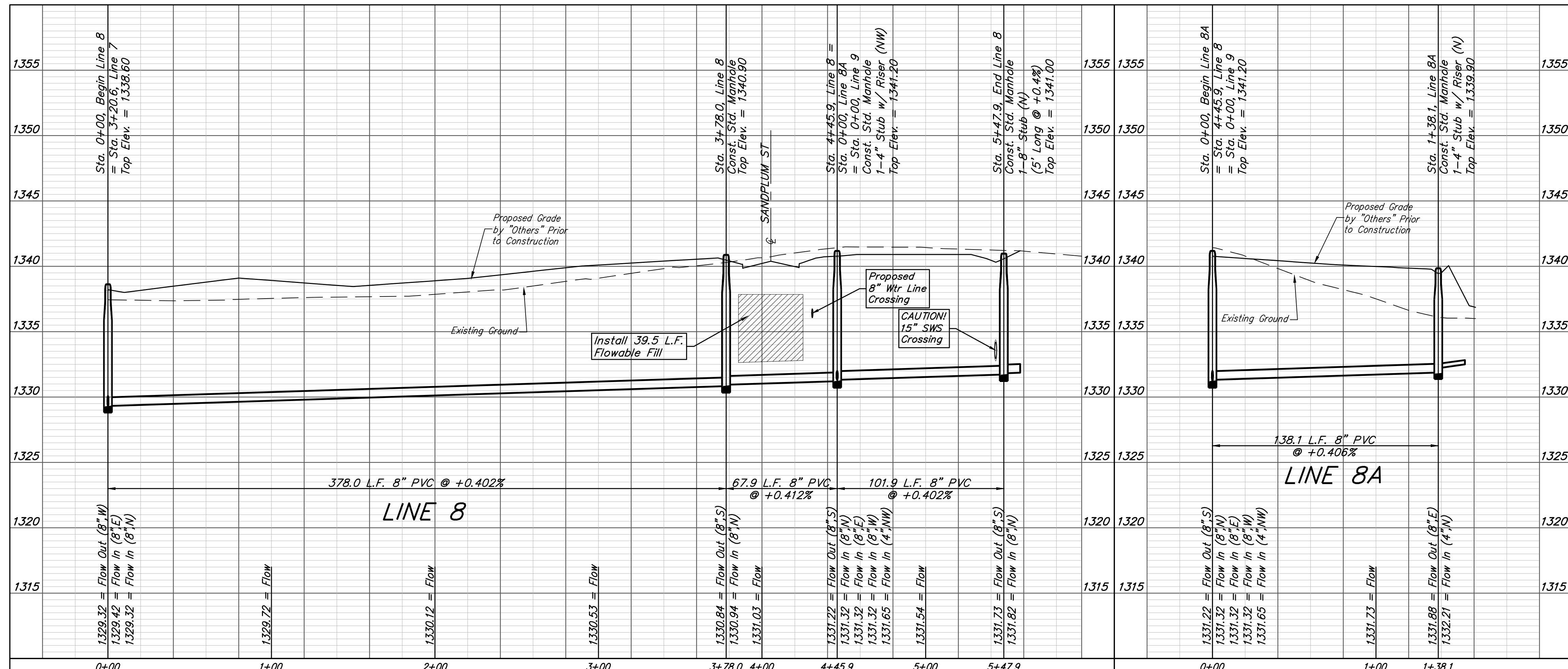
Distance from Main to Riser (L/Rt.)	Distance from		NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
	Upstream MH	Downstream MH			LOT NO.	BLOCK NO.	LINE NO.	STATION/ DIRECTION	APPROXIMATE LENGTH 4" PIPE	VERTICAL
15' Rt.	358'	20'	45	8" x 4" Tee	57	A	8	0+19.9/Rt.	6.2'	15'
15' Rt.	308'	70'	46	8" x 4" Tee	57	A	8	0+69.9/Rt.	6.6'	15'
15' Rt.	288'	90'	47	8" x 4" Tee	58	A	8	0+89.9/Rt.	6.5'	15'
15' Rt.	238'	140'	48	8" x 4" Tee	58	A	8	1+39.9/Rt.	5.7'	15'
10' Lt.	@ mh	@ mh	49	4" Stub	2	A	8	4+45.9/Lt.	7.5'	10'
7' Rt.	72'	66'	50	8" x 4" Tee	2	A	8A	0+66.0/Rt.	6.5'	7'
7' Rt.	62'	76'	51	8" x 4" Tee	1	A	8A	0+76.0/Rt.	6.4'	7'
10' Rt.	@ mh	@ mh	52	4" Stub	1	A	8A	1+38.1/Rt.	5.7'	10'

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



REVISION RECORD

NO.	DATE	DESCRIPTION	DR.	BY
1	10/18/21	Moved Line 8A & Line 9 2' south	JAK	AEG



**BAUGHMAN COMPANY**

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

NORTH FORTY-FIFTH ADDITION

**LINE 8 & LINE 8A**

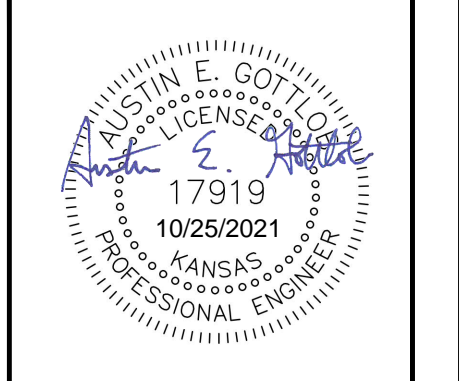
SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER:  
 468-2020-034639

DESIGN: AEG DRAWN: JAK

DATE: Oct. 19, 2021

SHEET 12 OF 27

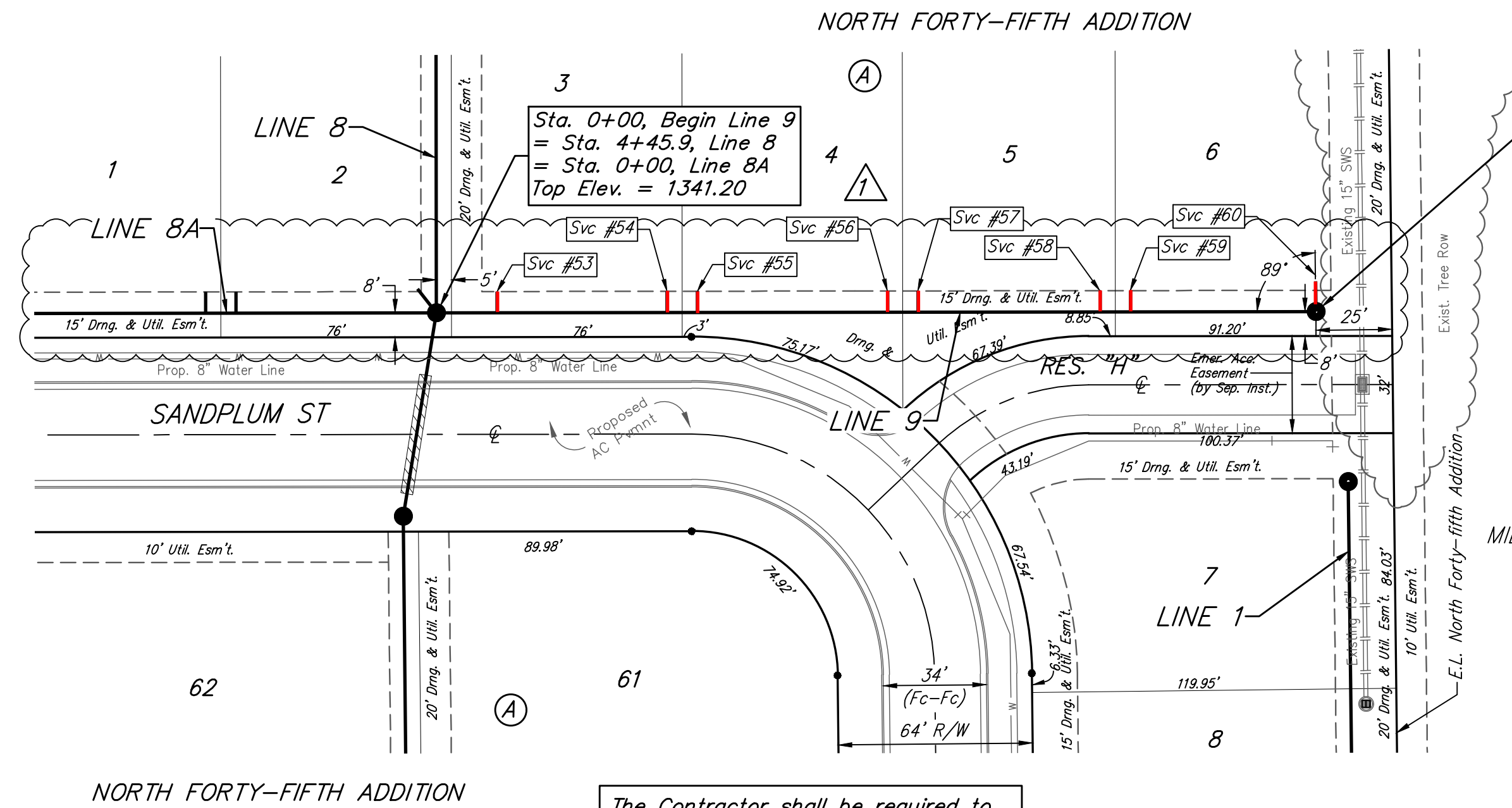


File: C:\Projects\North Forty-Fifth Addition (Residential)...Engineering\SS\_2012-12-17-21-12-17-21.dwg

**BENCHMARKS:**  
 R.R. spike in S. face of power pole,  
 N. side of 45th St. N., 19.7' W. &  
 87.2' N. of NW Cor., Reserve "A",  
 North Forty-Fifth Addition.  
 Elev = 1336.53 NAVD88

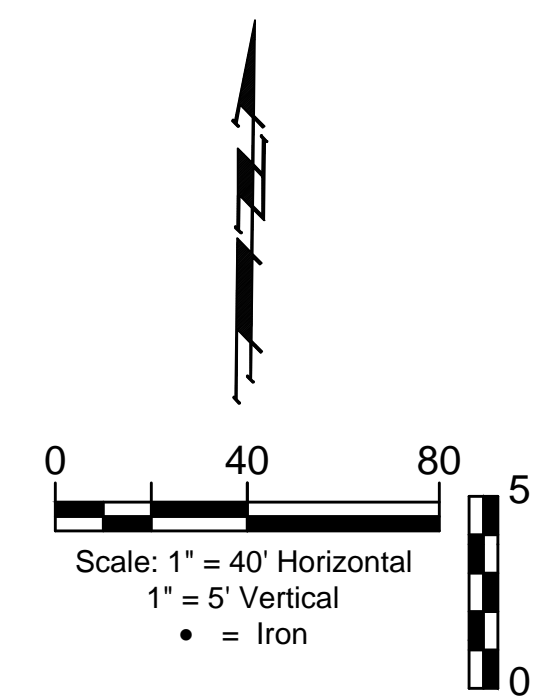
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 centerline of radius  $\pm$ , SE Cor. of  
 Ridge Rd. & 45th St. N., 36.9' E.  
 & 31.1' S. of NW Cor., Gov't Lot 6,  
 Sec. 27, Twp. 26-S, R-1-W.  
 Elev. = 1337.09 NAVD88



Sta. 2+89.8, End Line 9  
 Const. Std. Manhole  
 1-4" Stub w/Riser (N)  
 Top Elev. = 1341.30

The Contractor shall be required to  
 backfill trench with sand from  
 Sta. 0+00 to Sta. 2+89.8, Line 9.  
 To be bid as "L.F. Fill, Sand, Flushed  
 & Vibrated"



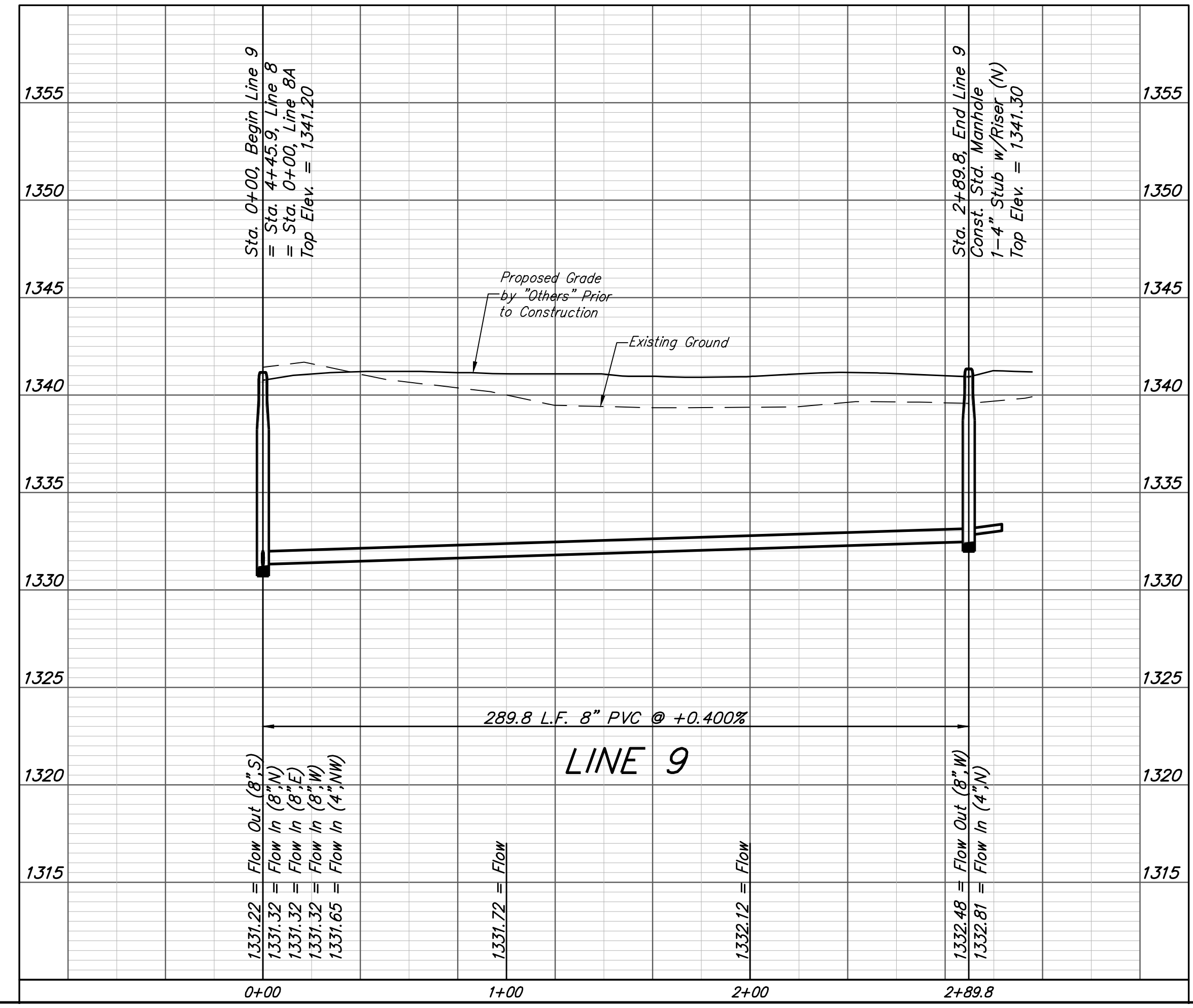
SEWER SERVICE TABLE

Distance from Main to Riser (L/Lt)	Distance from		NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
	Upstream MH	Downstream MH			LOT NO.	BLOCK NO.	LINE NO.	STATION/ DIRECTION	APPROXIMATE LENGTH 4" PIPE	VERTICAL
7' Lt.	270'	20'	53	8" x 4" Tee	3	A	9	0+20.0/Lt.	7.3'	7'
7' Lt.	214'	76'	54	8" x 4" Tee	3	A	9	0+76.0/Lt.	7.2'	7'
7' Lt.	204'	86'	55	8" x 4" Tee	4	A	9	0+86.0/Lt.	7'	7'
7' Lt.	141'	149'	56	8" x 4" Tee	4	A	9	1+48.7/Lt.	6.1'	7'
7' Lt.	131'	159'	57	8" x 4" Tee	5	A	9	1+58.7/Lt.	5.8'	7'
7' Lt.	71'	219'	58	8" x 4" Tee	5	A	9	2+18.7/Lt.	4.8'	7'
7' Lt.	61'	229'	59	8" x 4" Tee	6	A	9	2+28.7/Lt.	4.6'	7'
10' Lt.	@ mh	@ mh	60	4" Stub	6	A	9	2+89.8/Lt.	4'	10'

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

REVISION RECORD

NO.	DATE	DESCRIPTION	DR.	BY
1	10/18/21	Moved Line 8A & Line 9 2' south	JAK	AEG



**BAUGHMAN COMPANY**

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

NORTH FORTY-FIFTH ADDITION

**LINE 9**

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER:  
 468-2020-034639

DESIGN: AEG DRAWN: JAK  
 DATE: Oct. 19, 2021

SHEET 13 OF 27

