

# GENERAL NOTES:

1. 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:

- Cox Communications 262-4270
- Kansas Gas Service 1-888-482-4950
- Westar Energy 383-8650
- Aquila Energy 1-800-303-0357
- AT&T 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
- Conoco Phillips Pipeline Co. 1-877-267-2290
- Southern Star Pipeline Co. 529-6600
- Kinder-Morgan Pipeline Co. 1-888-844-5658

2. 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.

3. 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 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 would require additional archaeological investigations unless buried in a previously approved borrow location.

4. 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.

5. 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.

6. 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.

7. 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."

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

9. 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.

10. All areas disturbed during construction shall be seeded as follows (Temporary Seeding):

Seed: Rye grass (PLS)--5 lbs./1000 Sq. Ft.

All costs associated with seeding shall be included in bid item "Seeding". All seeding operations shall conform to City of Wichita Standard Specifications.

11. Sanitary Sewer construction shall be completed in the following order: Line 1, Line 1E, Line 1D, and the remainder of the project. The Sanitary Sewer Contractor shall be aware that other Contractors will be on-site following completion of Line 1, 1E, 1D to begin water line and/or mass grading construction.

12. 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.

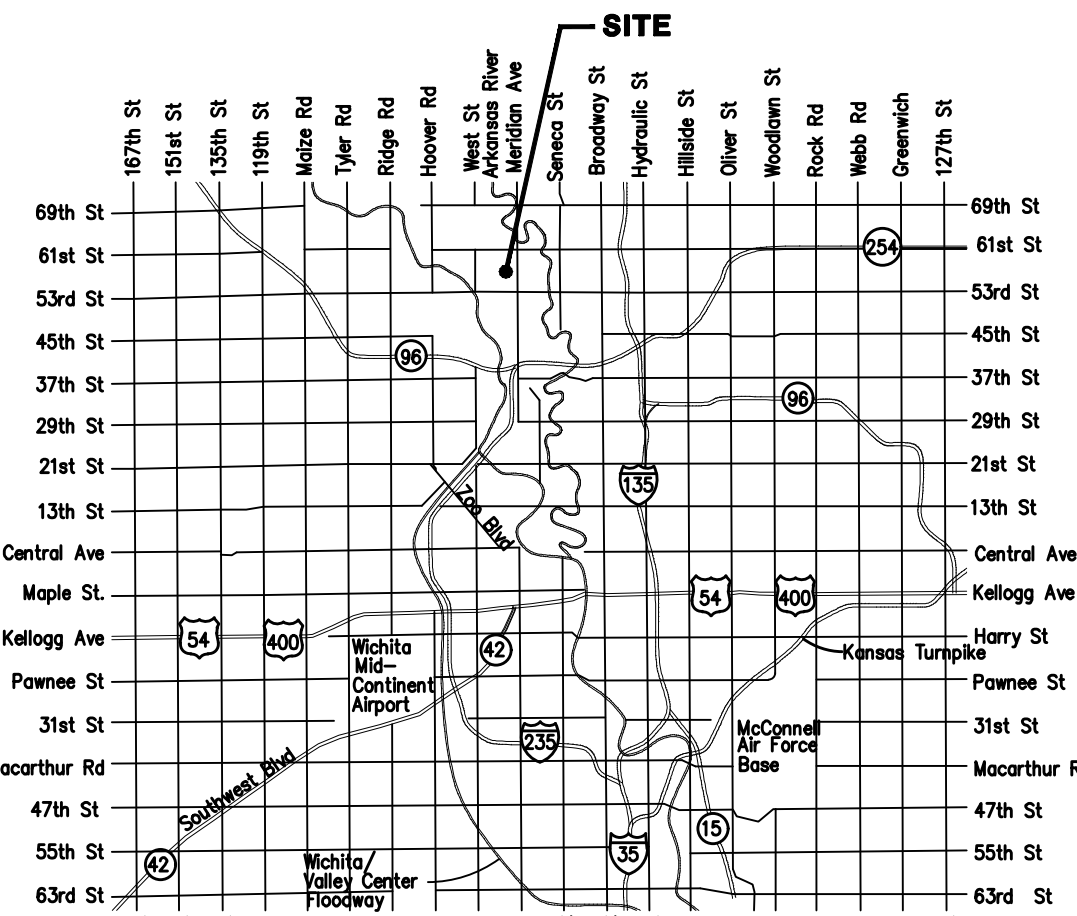
13. The Developer for this project is Jay Russell  
P.O. Box 75337  
Wichita, KS 67272  
(316) 722-2417  
jwrussell1105@cloud.com

## BENCHMARKS

City of Wichita Benchmark Disk  
34.9' S. & 31.2' W. of the SW Cor.,  
NW1/4, Sec. 2, Twp. 27-S, R-1-W.  
Elev. = 1327.57 NAVD88

"□" cut in top of curb 1.5'  
north of the northeast corner of  
Lot 20, Block B, Sandcrest Addn.  
Elev. = 1327.21 NAVD88

"□" cut in top of east curb  
inlet at the southeast corner of  
the southern intersection of Curtis  
& Sandcrest.  
Elev. = 1322.05 NAVD88



## VICINITY MAP

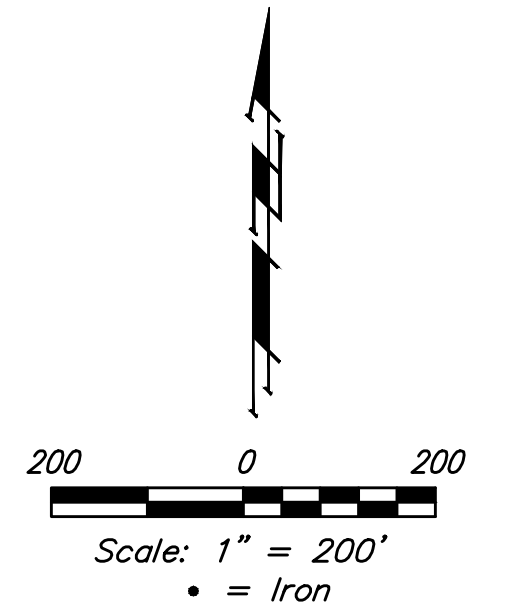
## BENEFIT DISTRICT



# Lateral 566, Southwest Interceptor Sewer SANITARY SEWER IMPROVEMENTS to serve SANDCREST 4TH ADDITION CITY OF WICHITA, KANSAS

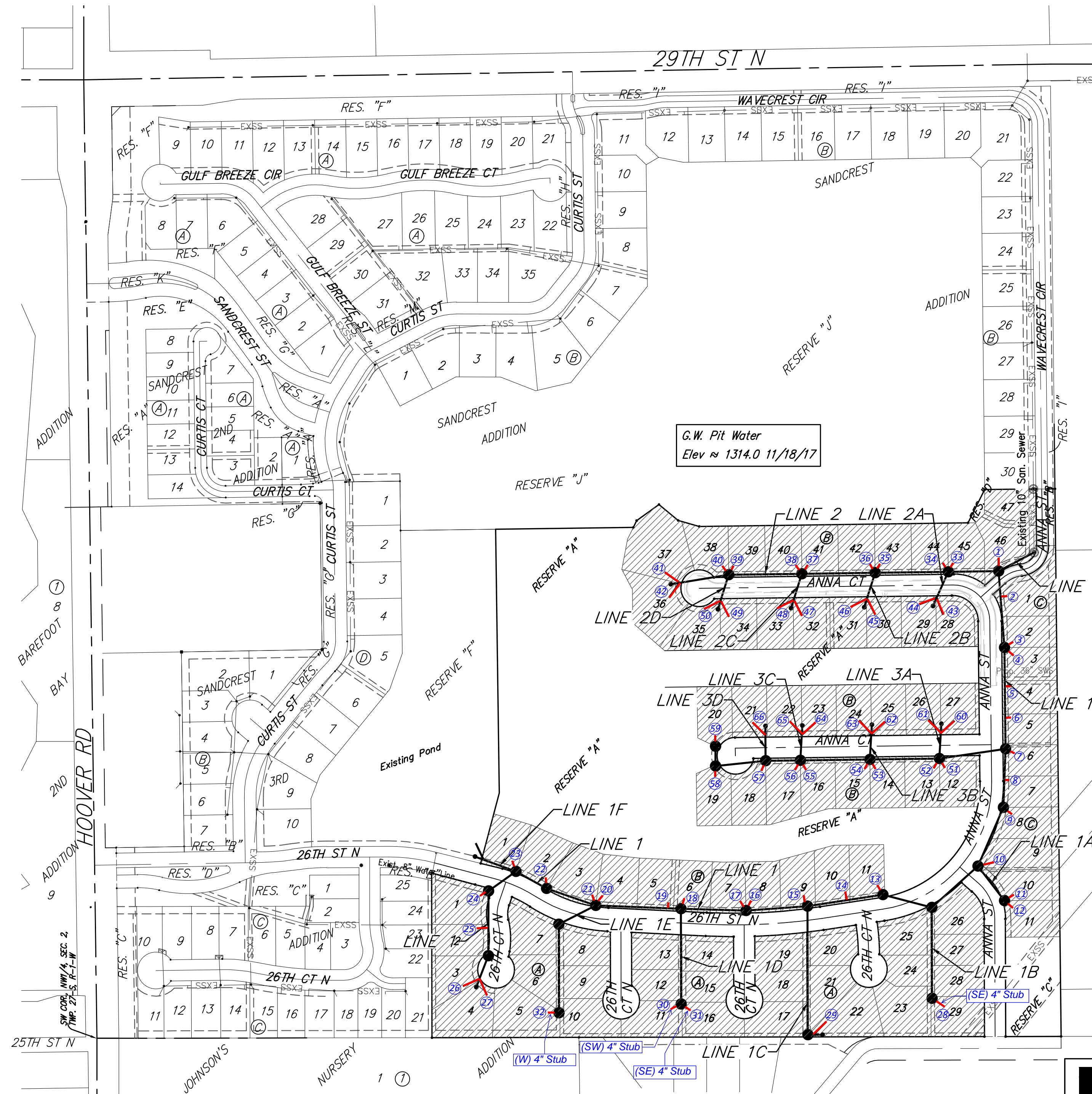
Gary Janzen, P.E. City Engineer  
Project Number 468-85326  
OCA Number 744491

Nowak Construction - Contractor  
B. Woods - City of Wichita, Field Project Engineer  
R. Carillo - City of Wichita, Inspector  
As-built  
Stubs & Risers  
Partial Release Date (for connection purposes only): 9/5/2019  
Completion Date:  
pdf: 10/17/19 apr



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Rev. 9-25-19 to add Line 1F



Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149  
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

Project Name: L 5166, SWIS to serve Sandcrest 4th Addn

Project Location: South of 29th St. N., east of Haver Rd.

Project No.: 408-85326

OCA No.: 744491

Contractor: Aluwak Construction

Inspector: Roberto Arrillo

Riser No.	Line No.	Station	Distance from Main to Riser (Lt./Rt.)	Distance from	
				Upstream MH	Downstream MH
1	1	1+09.5	18' RT	MH	N
2	1	1+79	9' LT	139' / 29	70
3	1	3+18.9	10' LT	MH	NE
4	1	3+18.9	10' LT	MH	SE
5	1	4+25.0	8' LT	171	106
6	1	5+11.00	8' LT	85	191
7	1	5+95.9	8' Lt.	MH	SE
8	1	6+80.0	12' LT	70	85
9	1	7+54.1	10' LT	MH	SE
10	1	9+31.1	15' LT	MH	NE
11	1A	1+19.0	9' LT	MH	NE
12	1A	1+19.0	17' LT	MH	SE
13	1	12+38.4	10' RT	MH	NW
14	1	13+38.0	7' RE	108	100
15	1	14+46.9	9' RT	MH	NW
16	1	16+15.9	10' RE	MH	NE
17	1	16+15.4	10' RT	MH	NW
18	1	17+93.8	10' RT	MH	NE
19	1	18+29.0	9' RT	798	35
20	1	20+20.7	13' RT	MH	NE
21	1	20+20.7	13' RT	MH	NW
22	1	21+68.9	13' RT 15' Rt	MH	NW
23	1	22+64.6	13' RT	MH	NW
24	1	23+56.8	10' RT	MH	SW
25	1	24+58.0	15' RT	76	100
26	1	26+00.9	13' RT	CO	SW
27	1	26+00.9	20' LT	CO	SE
28	1B	2+48.3	10' RT	MH	SE
29	1C	2+64.1	10' LT	CO	N
30	1D	2+60.5	8' RT	MH	SW

Project Name: L5516, SWIS to serve Sandcrest 4<sup>th</sup> Addn

Project Location: South of 29<sup>B</sup> St. N., east of Hoover Rd

Project No.: 408-85326

OCA No.: 744491

Contractor: Nowak Construction

Inspector: Roberto Carrillo

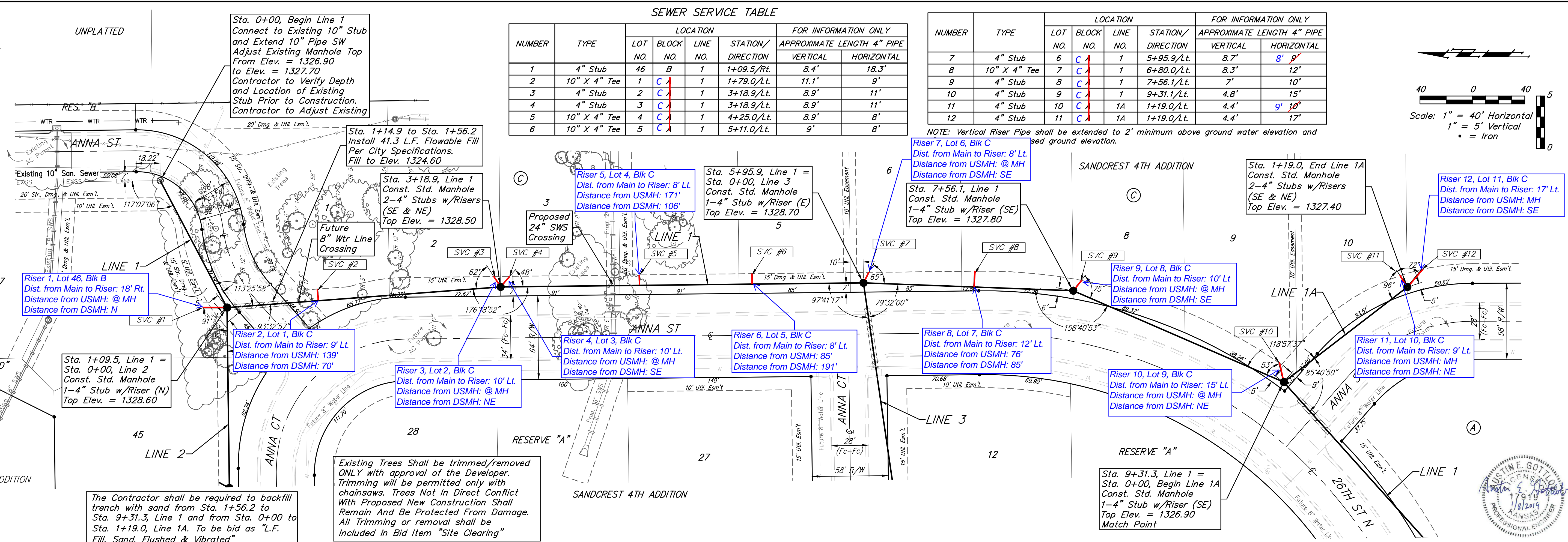
Riser No.	Line No.	Station	Distance from Main to Riser (Lt./Rt.)	Distance from	
				Upstream MH	Downstream MH
31	1D	2+60.5	15' LT	MH	SE
32	1E	3+25.5	10' RT	MH	W
33	2	1+37.9	10' RT	MH	NE
34	2	1+37.9	10' RT	MH	NW
35	2	3+37.9	10' RT	MH	NE
36	2	3+37.9	10' RT	MH	NW
37	2	5+37.9	10' RT	MH	NE
38	2	5+37.9	10' RT	MH	NW
39	2	7+37.9	10' RT	MH	NE
40	2	7+37.9	10' RT	MH	NW
41	2	8+73.8	10' RT	CO	NW
42	2	8+73.8	20' LT	CO	SW
43	2A	0+77.7	10' LT	CO	SE
44	2A	0+77.7	20' RT	CO	SW
45	2B	0+74.0	10' LT	CO	SE
46	2B	0+74.0	30' RT	CO	SW
47	2C	0+74.0	10' LT	CO	SE
48	2C	0+74.0	20' RT	CO	SW
49	2D	0+74.0	10' LT	CO	SE
50	2D	0+74.0	20' RT	CO	SW
51	3	1+82.7	10' LT	MH	SE
52	3	1+82.7	10' LT	MH	SW
53	3	3+72.7	10' LT	MH	SE
54	3	3+72.7	10' LT	MH	SW
55	3	5+62.7	10' LT	MH	SE
56	3	5+62.7	10' LT	MH	SW
57	3	1+457.7	10' LT	MH	SW
58	3	7+95.9	10' LT	MH	S
59	3	8+49.4	10' LT	MH	N
100	3A	0+72.2	15' RT	CO	NE



**BENCHMARKS:**  
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 NW1/4, Sec. 2, Twp. 27-S, R-1-W.  
 Elev. = 1327.57 NAVD88

"□" cut in top of curb 1.5'  
 north of the northeast corner of  
 Lot 20, Block B, Sandcrest Addn.  
 Elev. = 1327.21 NAVD88

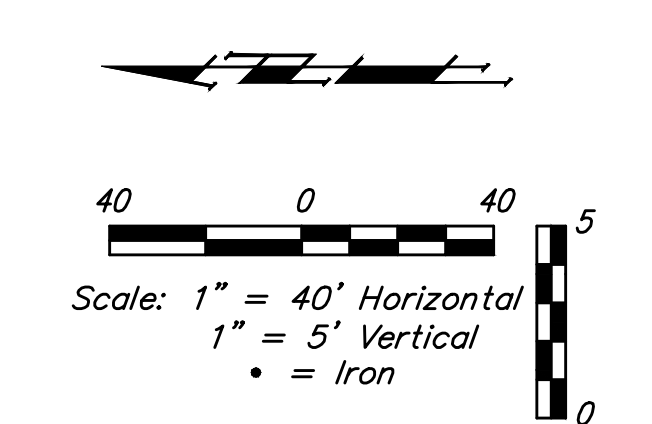
"□" cut in top of east curb  
 inlet at the southeast corner of  
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 & Sandcrest.  
 Elev. = 1322.05 NAVD88



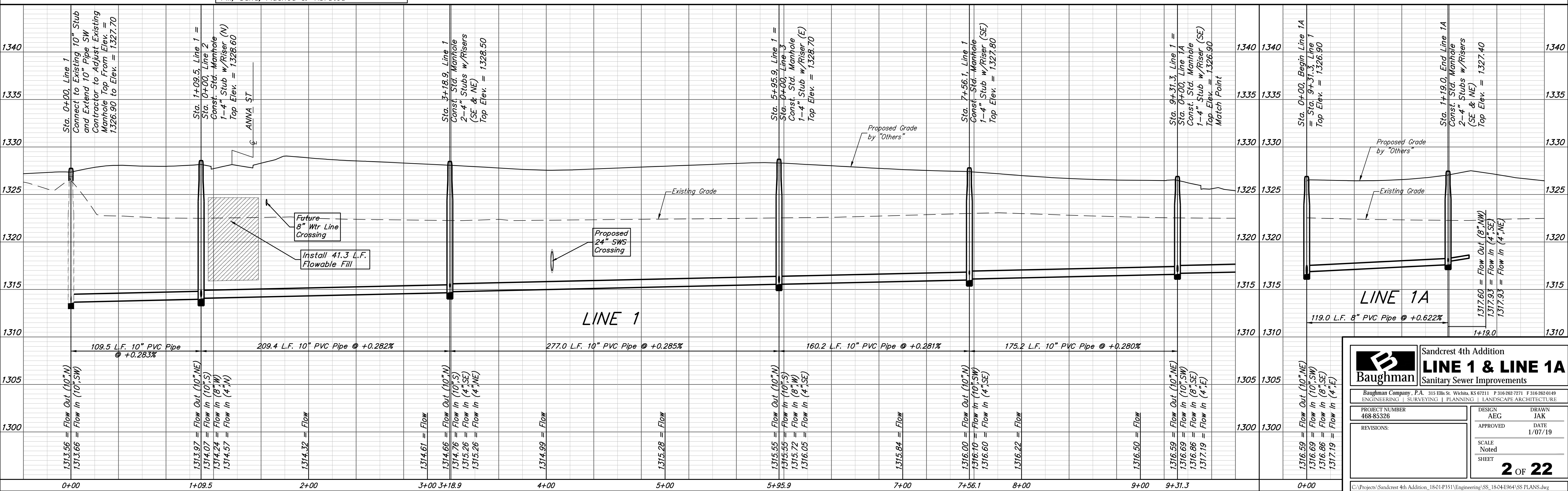
**SEWER SERVICE TABLE**

NUMBER	TYPE	LOCATION			FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION/DIRECTION	APPROXIMATE LENGTH 4" PIPE
1	4" Stub	46	B	1	1+09.5/Rt.	8.4' 18.3'
2	10" X 4" Tee	1	C	1	1+79.0/Lt.	11.1' 9'
3	4" Stub	2	C	1	3+18.9/Lt.	8.9' 11'
4	4" Stub	3	C	1	3+18.9/Lt.	8.9' 11'
5	10" X 4" Tee	4	C	1	4+25.0/Lt.	8.9' 8'
6	10" X 4" Tee	5	C	1	5+11.0/Lt.	9' 8'

NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION/DIRECTION	APPROXIMATE LENGTH 4" PIPE	
7	4" Stub	6	C	1	5+95.9/Lt.	8.7' 8' 9"	
8	10" X 4" Tee	7	C	1	6+80.0/Lt.	8.3' 12'	
9	4" Stub	8	C	1	7+56.1/Lt.	7' 10'	
10	4" Stub	9	C	1	9+31.1/Lt.	4.8' 15'	
11	4" Stub	10	C	1A	1+19.0/Lt.	4.4' 9' 10"	
12	4" Stub	11	C	1A	1+19.0/Lt.	4.4' 17'	



NOTE: Vertical Riser Pipe shall be extended to 2' minimum above ground water elevation and used ground elevation.



**Baughman** Sandcrest 4th Addition  
**LINE 1 & LINE 1A**  
 Sanitary Sewer Improvements

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149  
 ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER: 468-85326  
 REVISIONS:

DESIGN: AEG  
 DRAWN: JAK  
 APPROVED: DATE: 1/07/19  
 SCALE: Noted  
 SHEET: 2 OF 22

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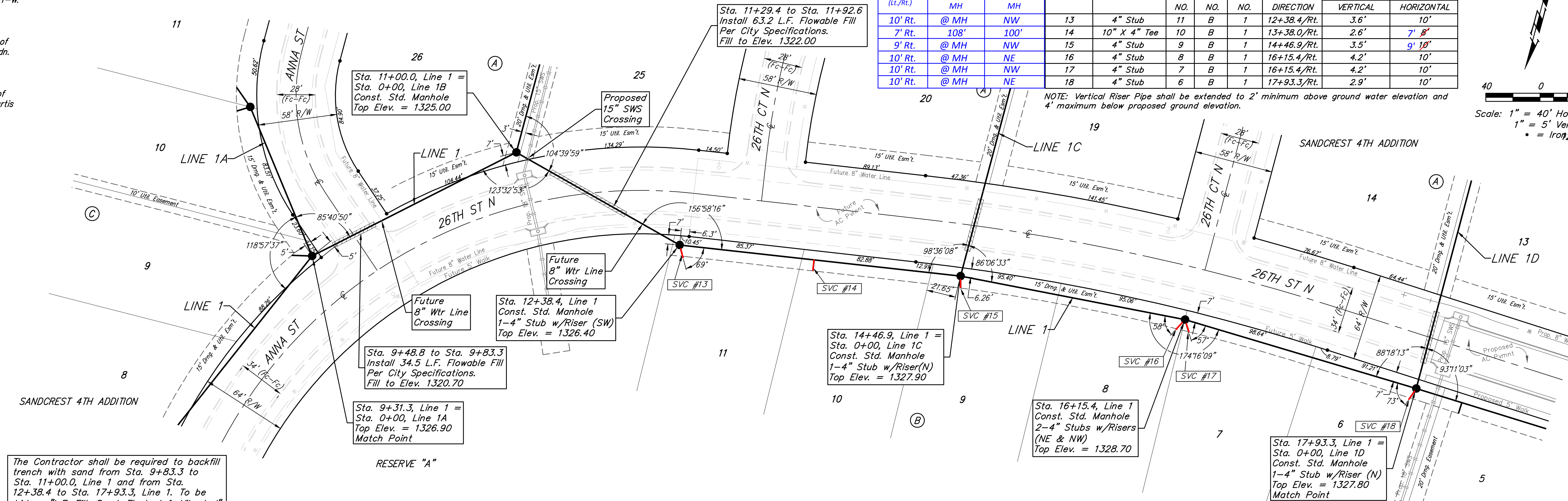
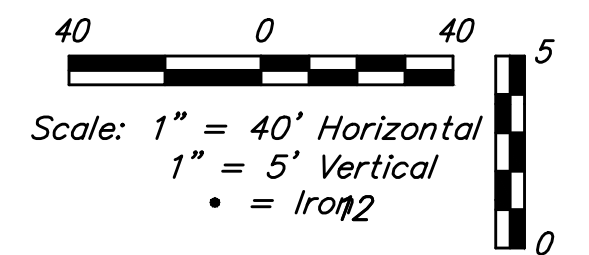
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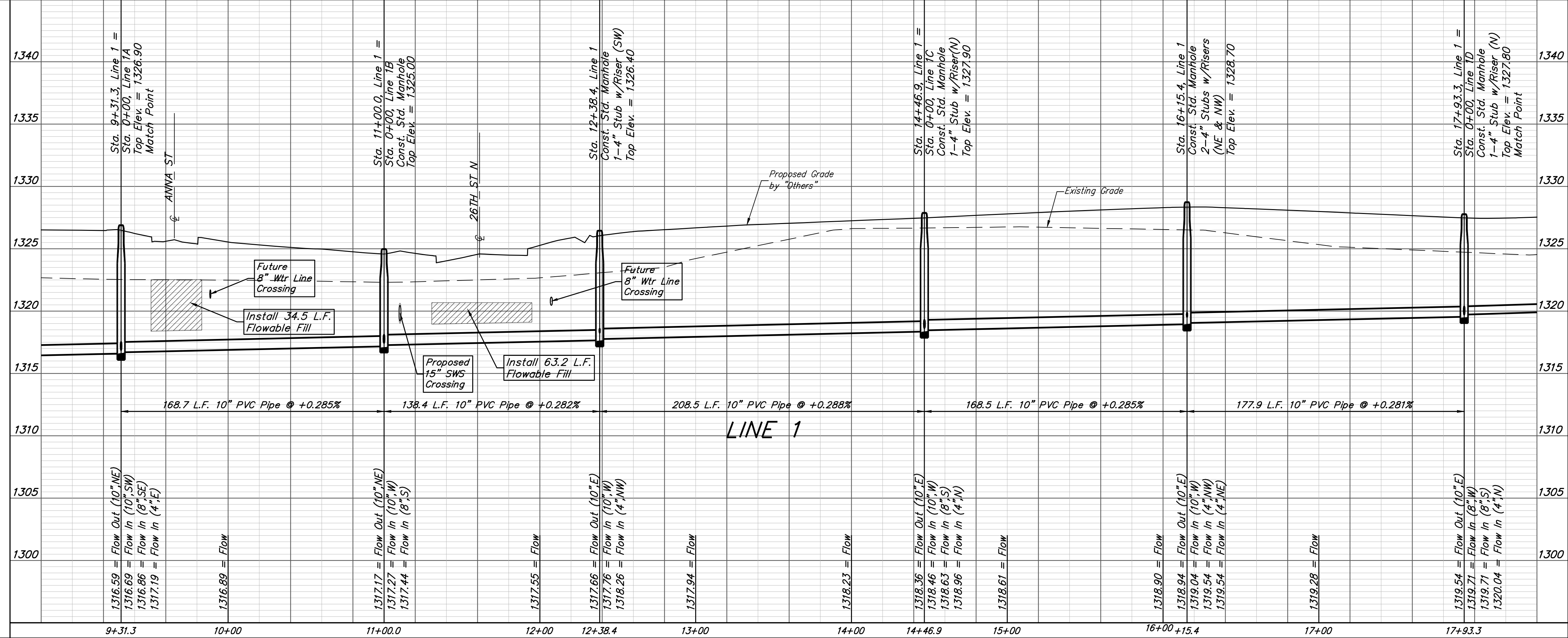
**SEWER SERVICE TABLE**

Distance from Main to Riser (L/R)	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
10' Rt.	@ MH	NW	13	4" Stub	11	B	1	12+38.4/Rt.	3.6'	10'
7' Rt.	108'	100'	14	10" X 4" Tee	10	B	1	13+38.0/Rt.	2.6'	7' 8"
9' Rt.	@ MH	NW	15	4" Stub	9	B	1	14+46.9/Rt.	3.5'	9' 10"
10' Rt.	@ MH	NE	16	4" Stub	8	B	1	16+15.4/Rt.	4.2'	10'
10' Rt.	@ MH	NW	17	4" Stub	7	B	1	16+15.4/Rt.	4.2'	10'
10' Rt.	@ MH	NE	18	4" Stub	6	B	1	17+93.3/Rt.	2.9'	10'

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



The Contractor shall be required to backfill trench with sand from Sta. 9+83.3 to Sta. 11+00.0, Line 1 and from Sta. 12+38.4 to Sta. 17+93.3, Line 1. To be bid as "L.F. Fill, Sand, Flushed & Vibrated"



**Baughman** Sandcrest 4th Addition  
**LINE 1**  
 Sanitary Sewer Improvements

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149  
 ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER: 468-85326  
 DESIGN: AEG  
 DRAWN: JAK  
 APPROVED: [Signature]  
 DATE: 1/07/19

REVISIONS:

SCALE: Noted  
 SHEET: **3 OF 22**

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**BENCHMARKS:**  
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 34.9' S. & 31.2' W. of the SW Cor.,  
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 Lot 20, Block B, Sandcrest Addn.  
 Elev. = 1327.21 NAVD88

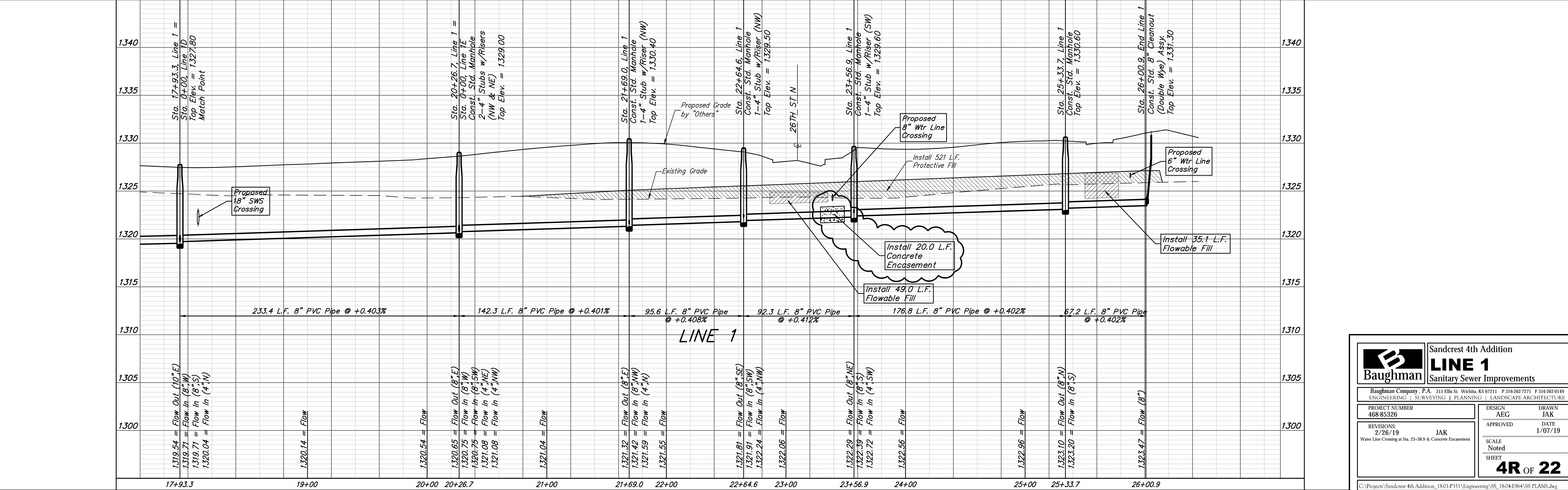
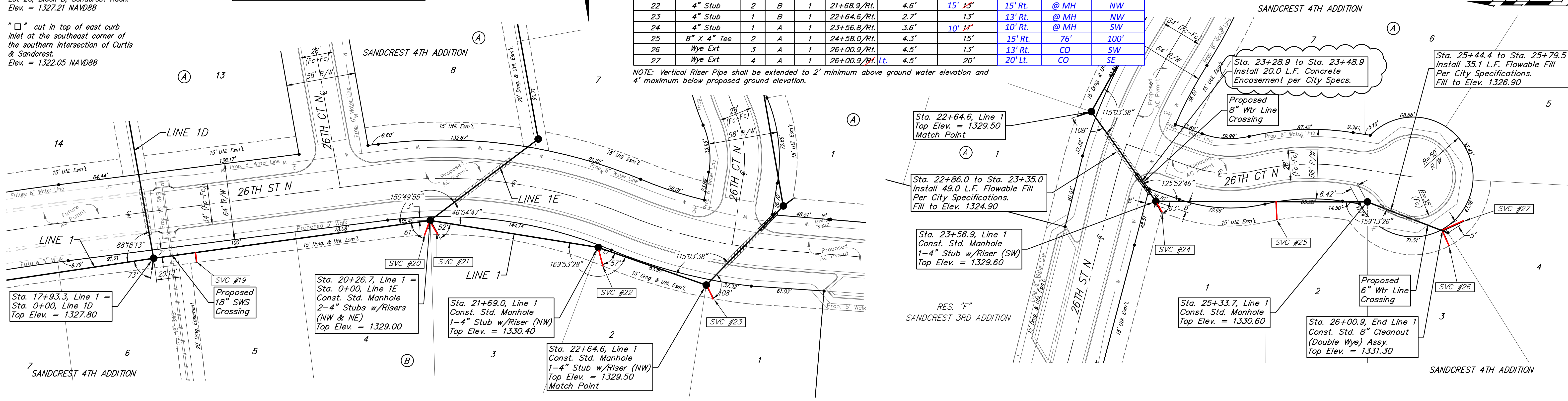
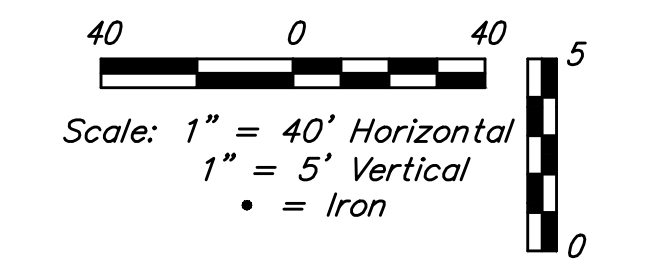
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The Contractor shall be required to backfill  
 trench with sand from Sta. 17+93.3 to  
 Sta. 26+00.9, Line 1 except areas where  
 flowable fill is called out. To be bid as  
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**SEWER SERVICE TABLE**

NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY		Distance from		
		LOT NO.	BLOCK NO.	LINE NO.	STATION/ DIRECTION	APPROXIMATE LENGTH 4" PIPE		Main to Riser (Lt./Rt.)	Upstream MH	Downstream MH
19	10" X 4" Tee	5	B	1	18+29.0/Rt.	3.9'	9' 8"	9' Rt.	198'	35'
20	4" Stub	4	B	1	20+26.7/Rt.	2.7'	13'	13' Rt.	@ MH	NE
21	4" Stub	3	B	1	20+26.7/Rt.	3.7'	13'	13' Rt.	@ MH	NW
22	4" Stub	2	B	1	21+68.9/Rt.	4.6'	15' 13"	15' Rt.	@ MH	NW
23	4" Stub	1	B	1	22+64.6/Rt.	2.7'	13'	13' Rt.	@ MH	NW
24	4" Stub	1	A	1	23+56.8/Rt.	3.6'	10' 11"	10' Rt.	@ MH	SW
25	8" X 4" Tee	2	A	1	24+58.9/Rt.	4.3'	15'	15' Rt.	76'	100'
26	Wye Ext	3	A	1	26+00.9/Rt.	4.5'	13'	13' Rt.	CO	SW
27	Wye Ext	4	A	1	26+00.9/Rt.	4.5'	20'	20' Lt.	CO	SE

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



**Baughman** Sandcrest 4th Addition  
**LINE 1**  
 Sanitary Sewer Improvements

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149  
 ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER: 468-85326 DESIGN: AEG DRAWN: JAK  
 REVISIONS: 2/26/19 JAK APPROVED: DATE: 1/07/19  
 Water Line Crossing at Sta. 23+58.9 & Concrete Encasement SCALE: Noted SHEET: **4R OF 22**

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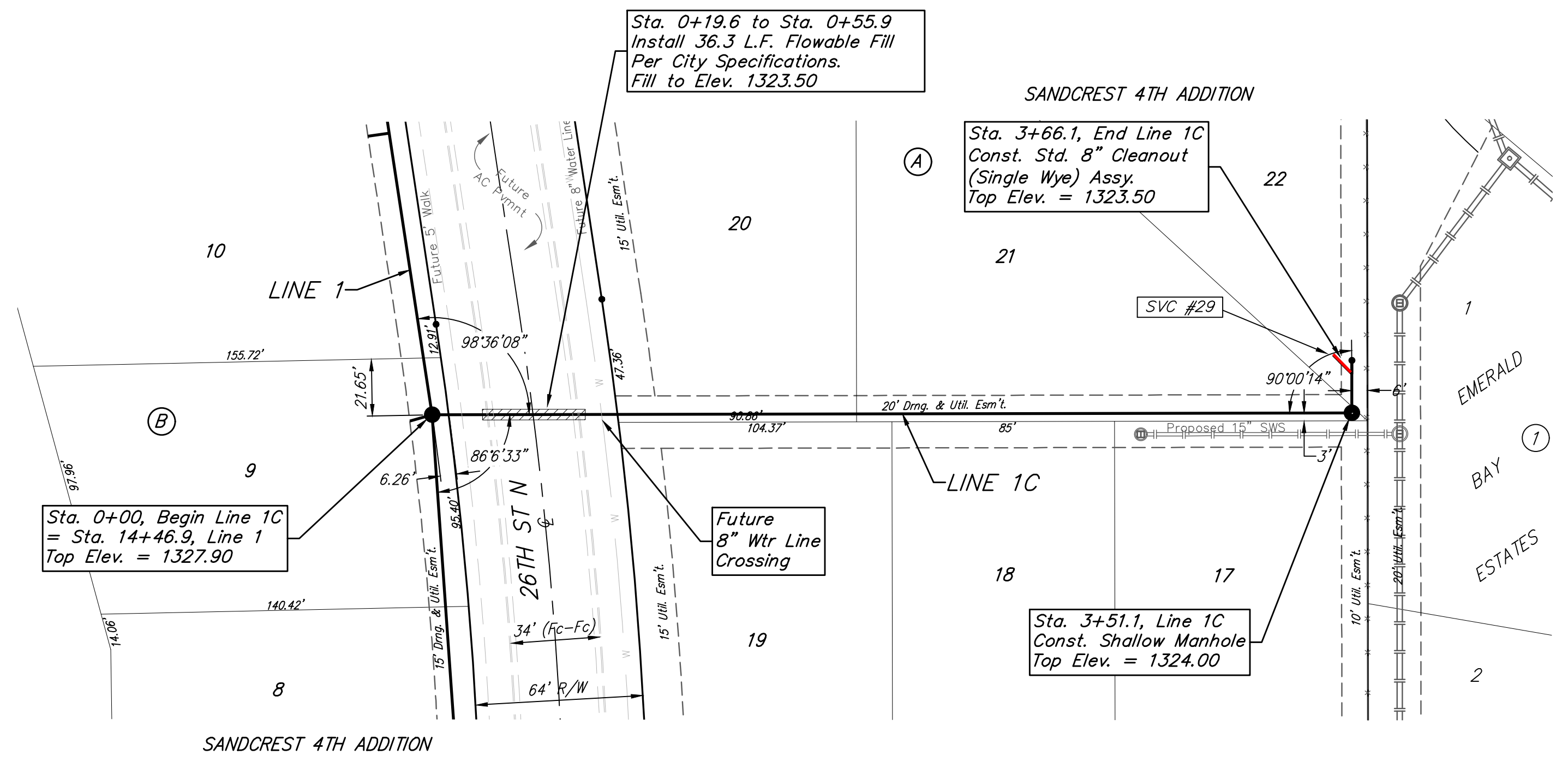
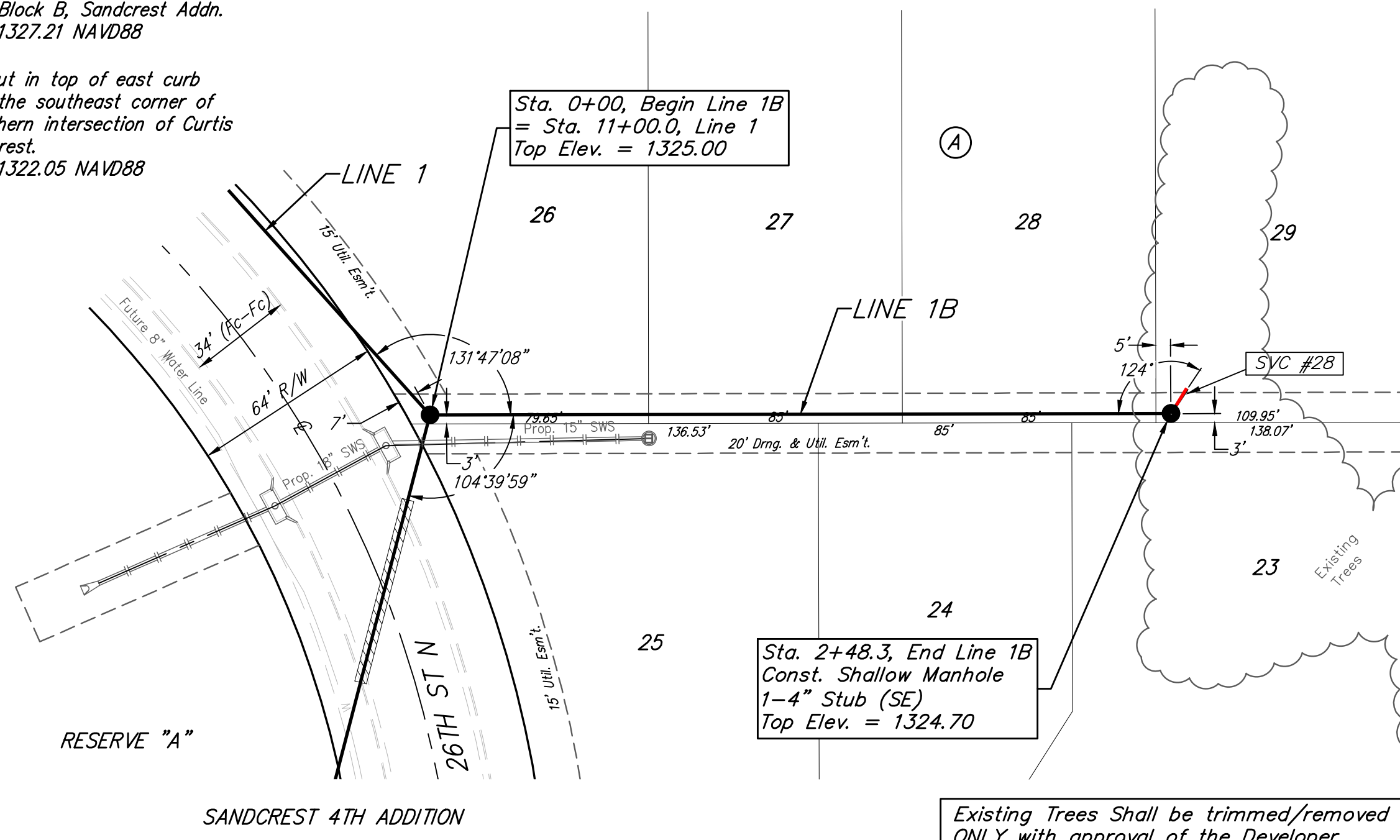
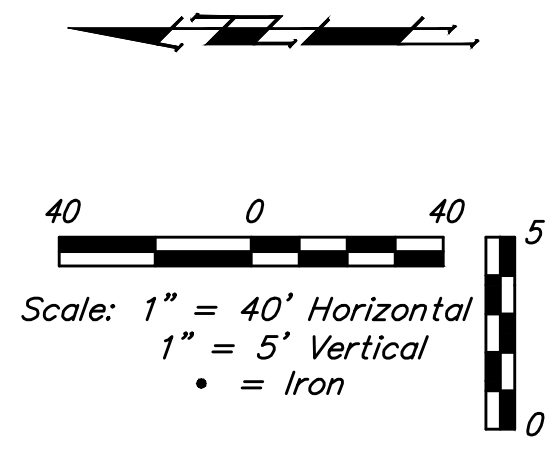
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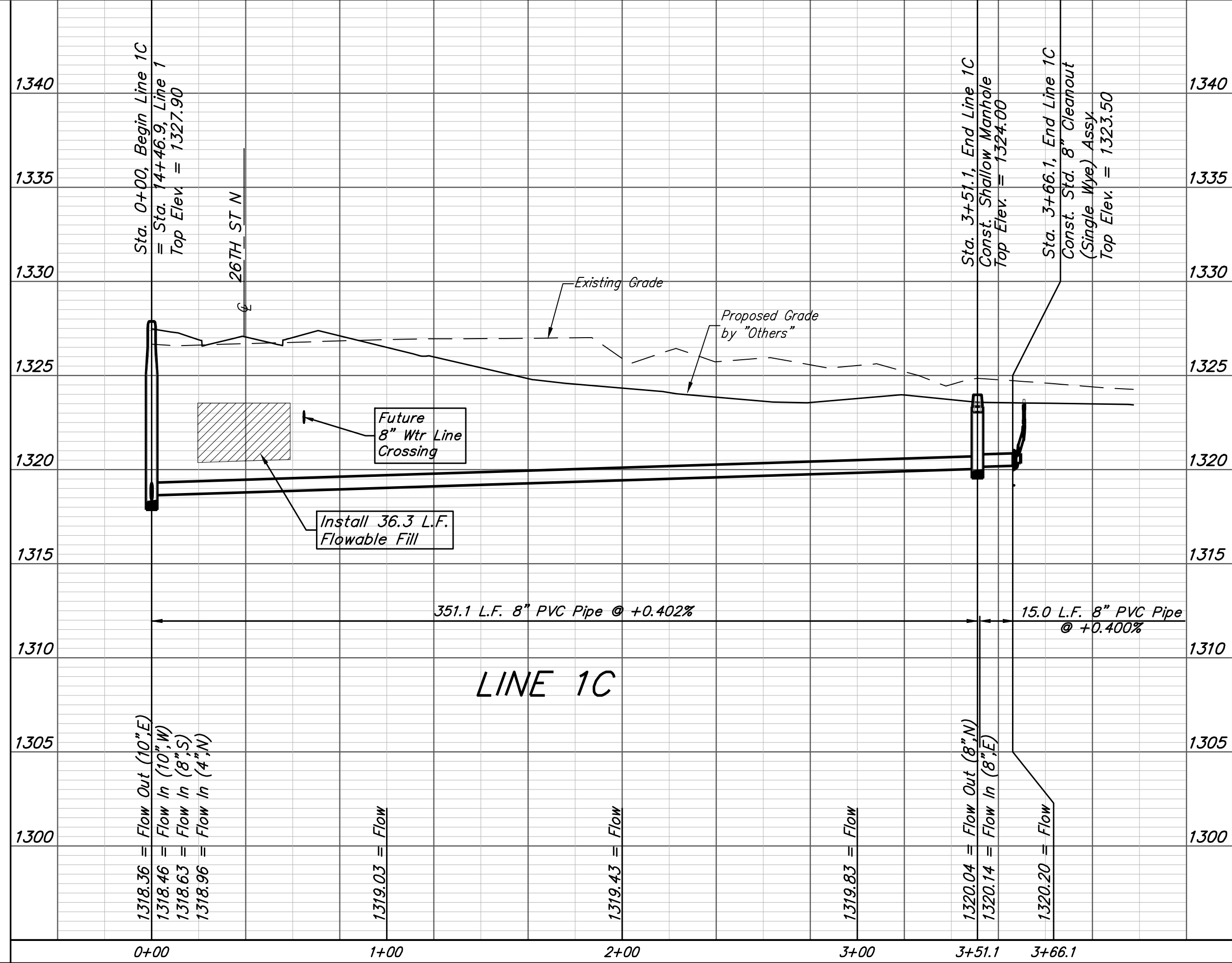
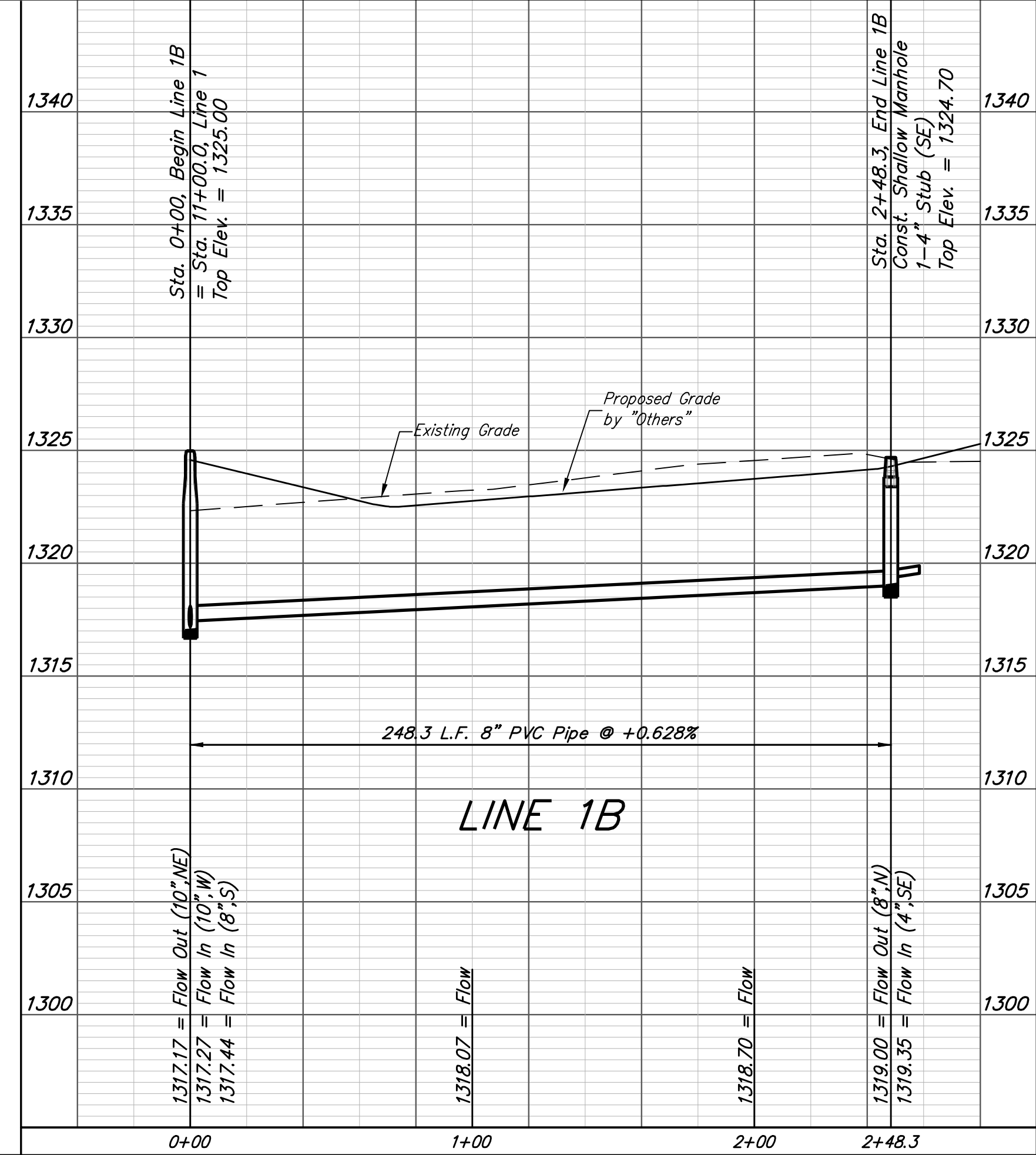
**SEWER SERVICE TABLE**

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
10' Lt.	@ MH	SE	28	4" Stub	29	A	1B	2+48.3/Lt.	1.0'	10'
10' Lt.	CO	N	29	Wye Ext	22	A	1C	3+66.1/Lt.	-	10'

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



Existing Trees Shall be trimmed/removed ONLY with approval of the Developer. Trimming will be permitted only with chainsaws. Trees Not In Direct Conflict With Proposed New Construction Shall Remain And Be Protected From Damage. All Trimming or removal shall be Included in Bid Item "Site Clearing"



**Baughman** Sandcrest 4th Addition  
**LINE 1B & LINE 1C**  
 Sanitary Sewer Improvements

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149  
 ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER: 468-85326 DESIGN: AEG DRAWN: JAK  
 APPROVED: DATE: 1/07/19  
 REVISIONS: SCALE: Noted SHEET: 5 OF 22

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 NW1/4, Sec. 2, Twp. 27-S, R-1-W.  
 Elev. = 1327.57 NAVD88

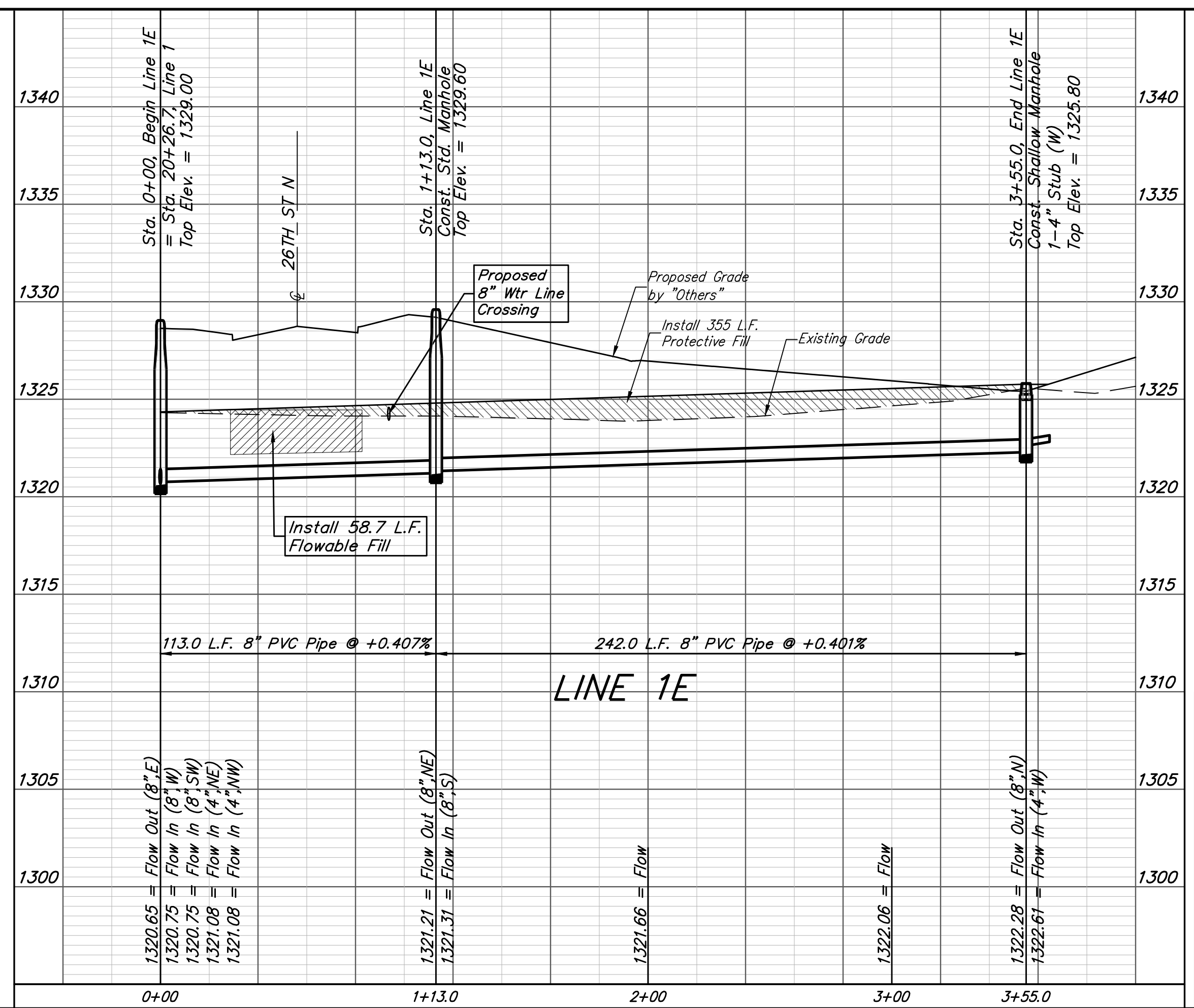
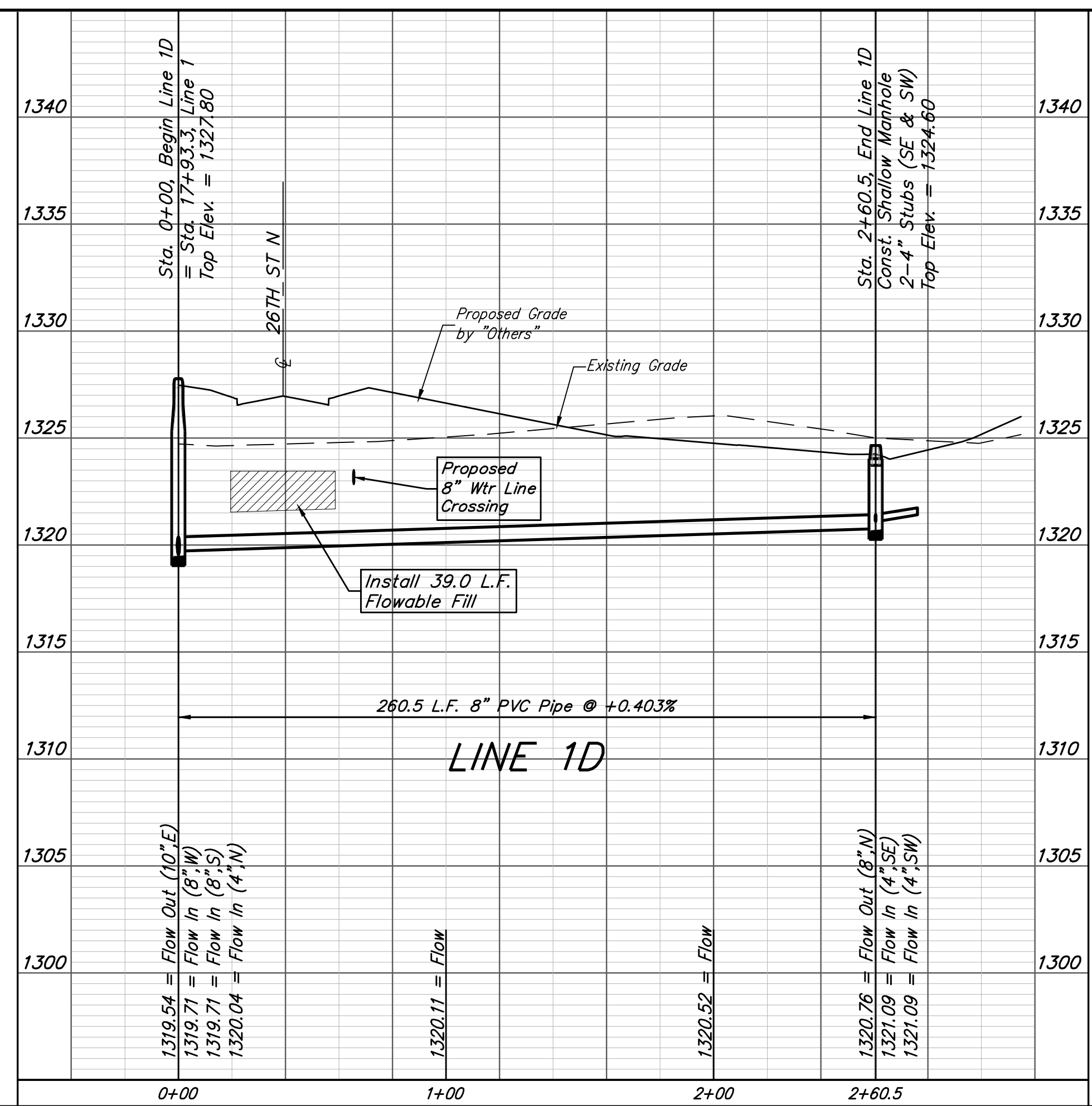
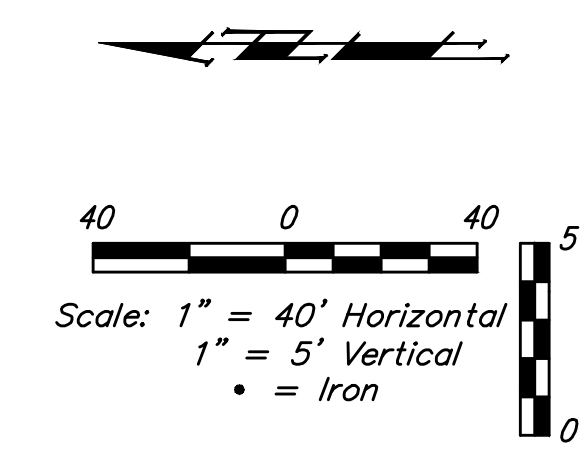
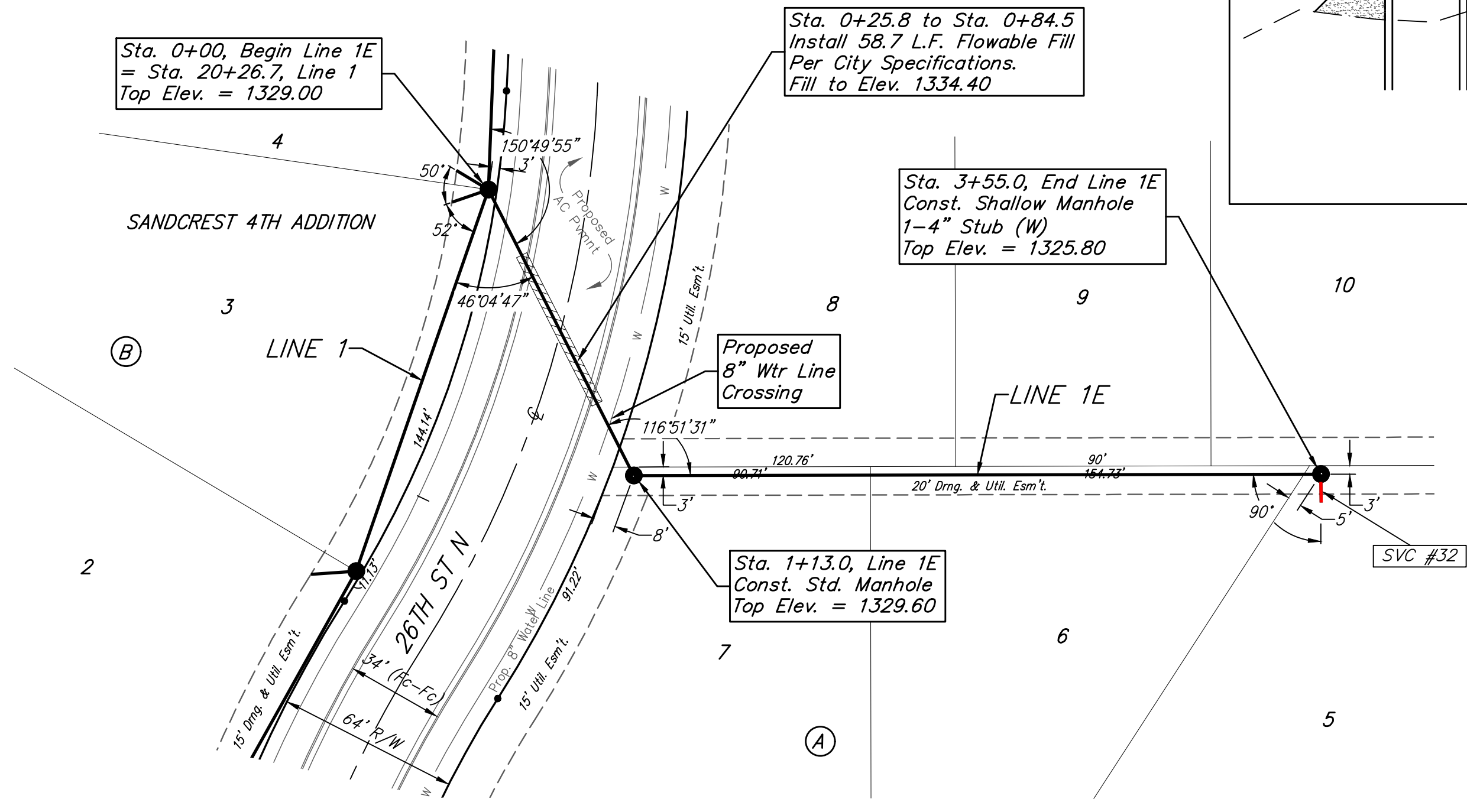
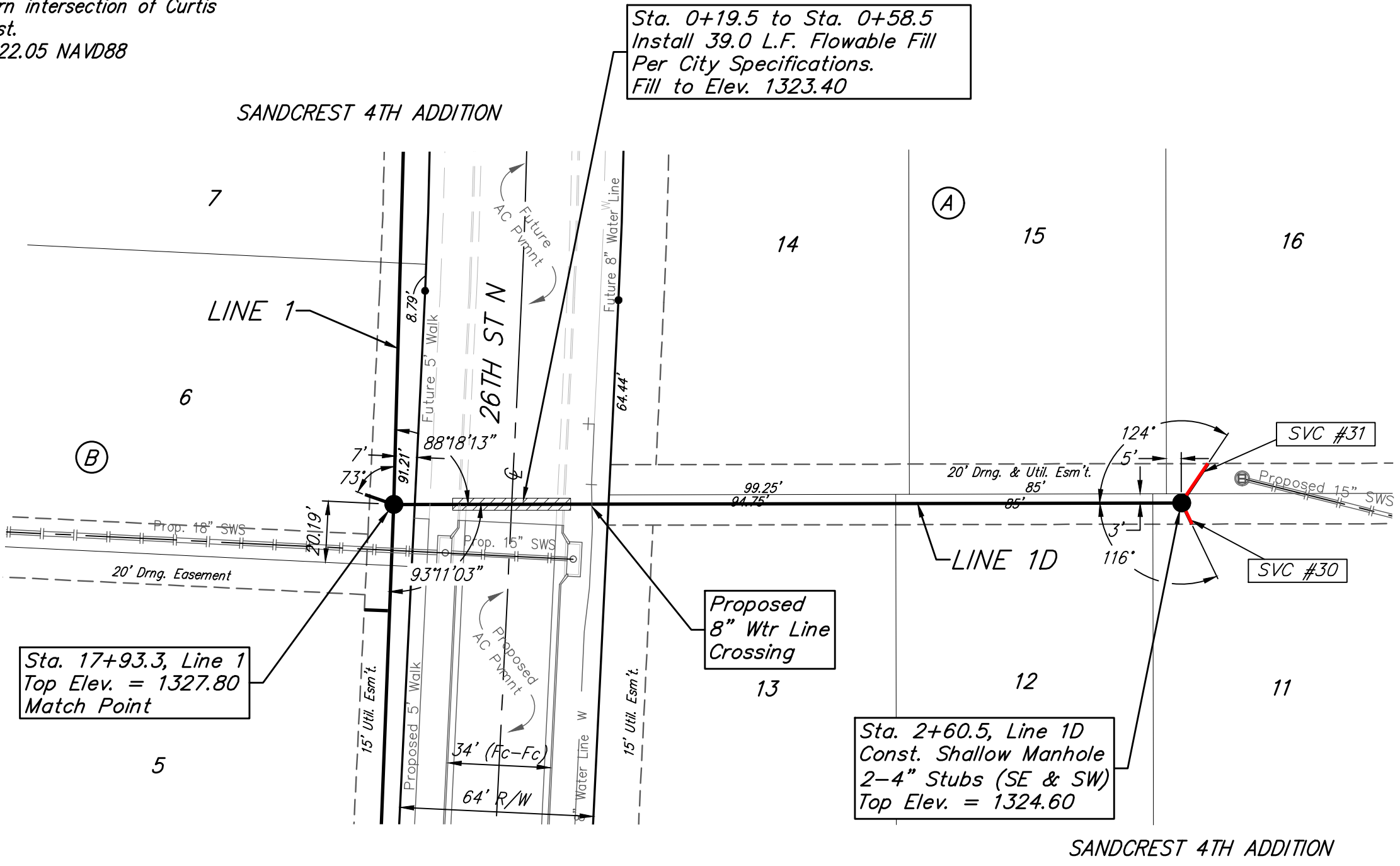
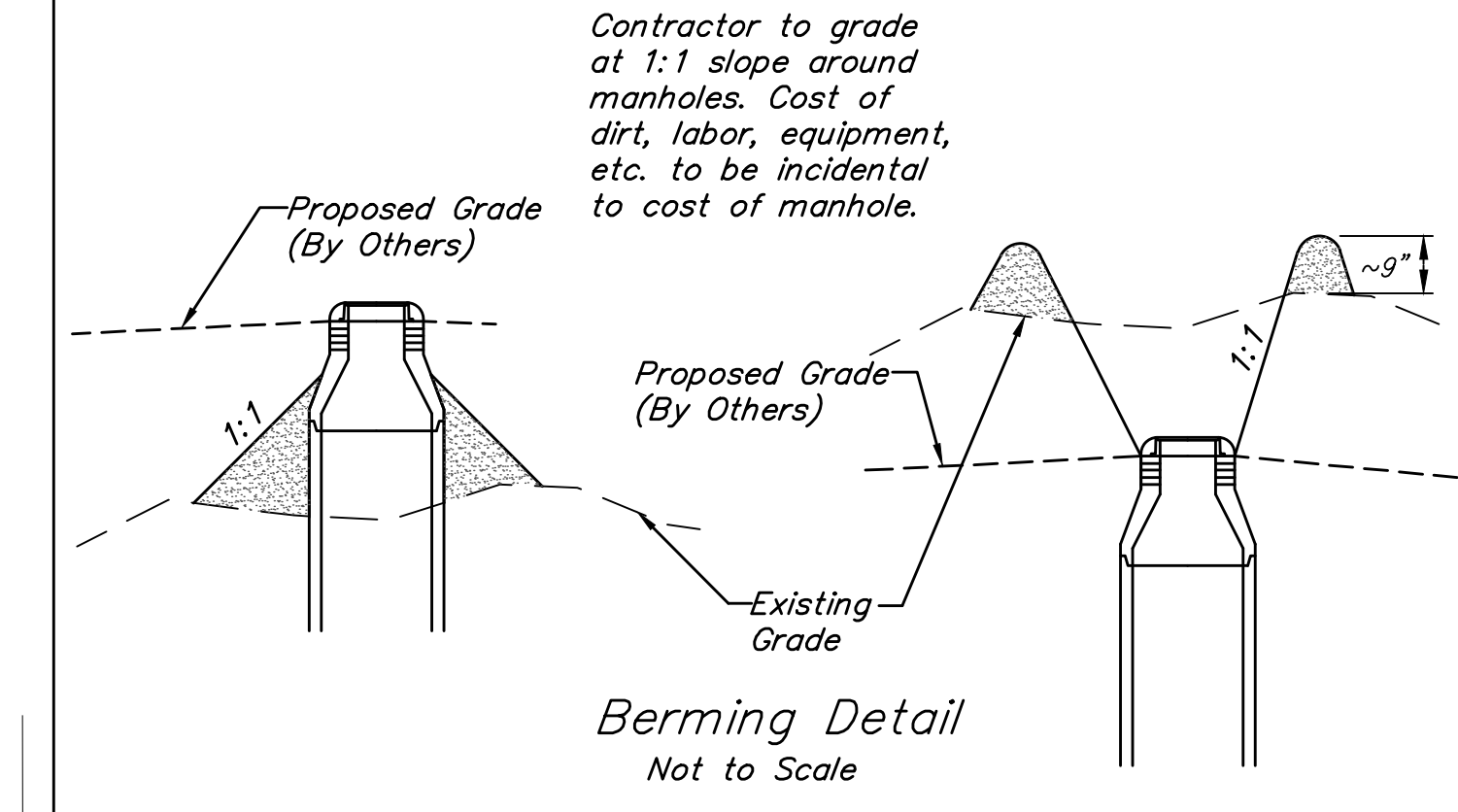
"□" cut in top of curb 1.5'  
 north of the northeast corner of  
 Lot 20, Block B, Sandcrest Addn.  
 Elev. = 1327.21 NAVD88

"□" cut in top of east curb  
 inlet at the southeast corner of  
 the southern intersection of Curtis  
 & Sandcrest.  
 Elev. = 1322.05 NAVD88

**SEWER SERVICE TABLE**

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
8' Rt.	@ MH	SW	30	4" Stub	11	A	1D	2+60.5/Rt.	-	8' 10"
15' Lt.	@ MH	SE	31	4" Stub	16	A	1D	2+60.5/Lt.	-	15'
10' Rt.	@ MH	W	32	4" Stub	5	A	1E	3+25.5/Rt.	-	10'

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



**Baughman** Sandcrest 4th Addition  
**LINE 1D & LINE 1E**  
 Sanitary Sewer Improvements

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149  
 ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

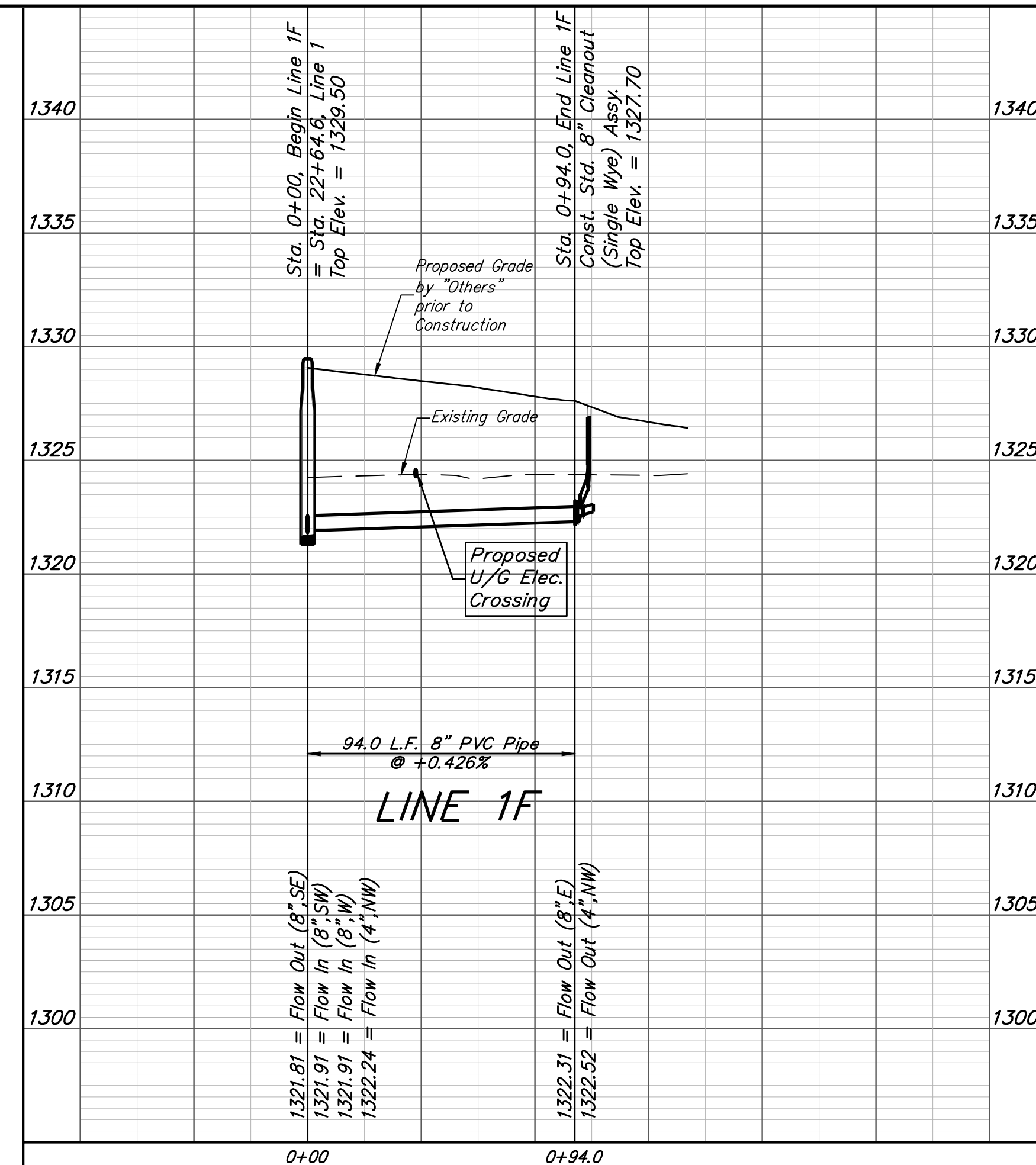
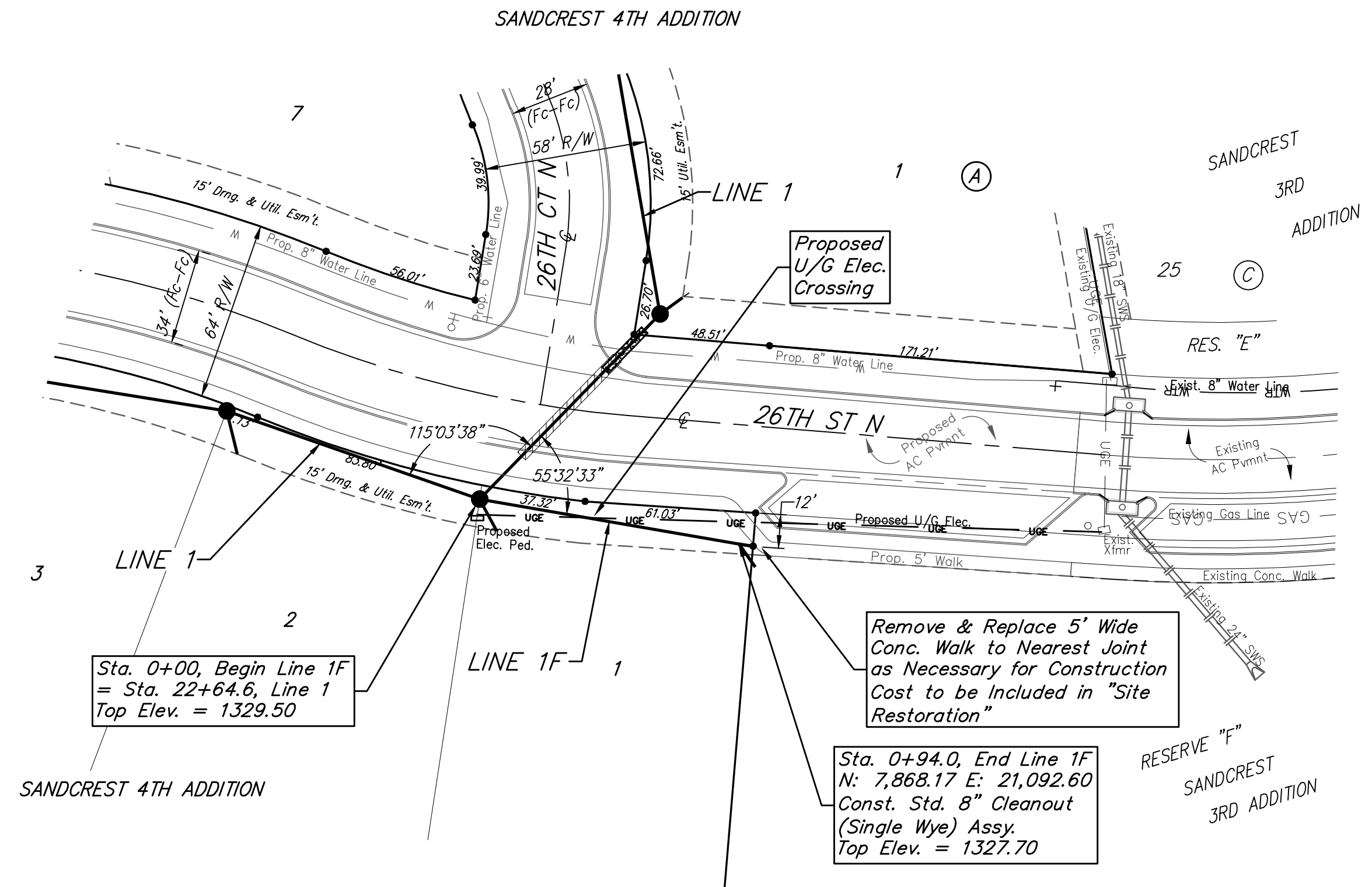
PROJECT NUMBER: 468-85326 DESIGN: AEG DRAWN: JAK  
 APPROVED: DATE: 1/07/19  
 REVISIONS: SCALE: Noted SHEET: 6 OF 22

C:\Projects\Sandcrest 4th Addition\_1801-P351\Engineering\SS\_18-04-E964\SS PLANS.dwg

**BENCHMARKS:**  
 City of Wichita Benchmark Disk  
 34.9' S. & 31.2' W. of the SW Cor.,  
 NW1/4, Sec. 2, Twp. 27-S, R-1-W.  
 Elev. = 1327.57 NAVD88

"□" cut in top of curb 1.5'  
 north of the northeast corner of  
 Lot 20, Block B, Sandcrest Addn.  
 Elev. = 1327.21 NAVD88

"□" cut in top of east curb  
 inlet at the southeast corner of  
 the southern intersection of Curtis  
 & Sandcrest.  
 Elev. = 1322.05 NAVD88



<b>Baughman</b>		Sandcrest 4th Addition	
		<b>LINE 1F</b>	
		Sanitary Sewer Improvements	
Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149 ENGINEERING   SURVEYING   PLANNING   LANDSCAPE ARCHITECTURE			
PROJECT NUMBER 468-85326	DESIGN AEG	DRAWN JAK	
REVISIONS: 9/25/19 JAK	APPROVED	DATE 9/25/19	
8" Sewer Line & Cleanout to serve Res. "F", Sandcrest 3rd Addn.		SCALE Noted	
		<b>6A OF 22</b>	

C:\Projects\Sandcrest 4th Addition\_1801P351\Engineering\SS\_18-04-E964\SS PLANS.dwg

**BENCHMARKS:**  
 City of Wichita Benchmark Disk  
 34.9' S. & 31.2' W. of the SW Cor.,  
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 Lot 20, Block B, Sandcrest Addn.  
 Elev. = 1327.21 NAVD88

"□" cut in top of east curb  
 inlet at the southeast corner of  
 the southern intersection of Curtis  
 & Sandcrest.  
 Elev. = 1322.05 NAVD88

The Contractor shall be required to backfill  
 trench with sand from Sta. 0+00 to  
 Sta. 8+73.8, Line 2 except areas where  
 flowable fill is called out. To be bid as  
 "L.F. Fill, Sand, Flushed & Vibrated"

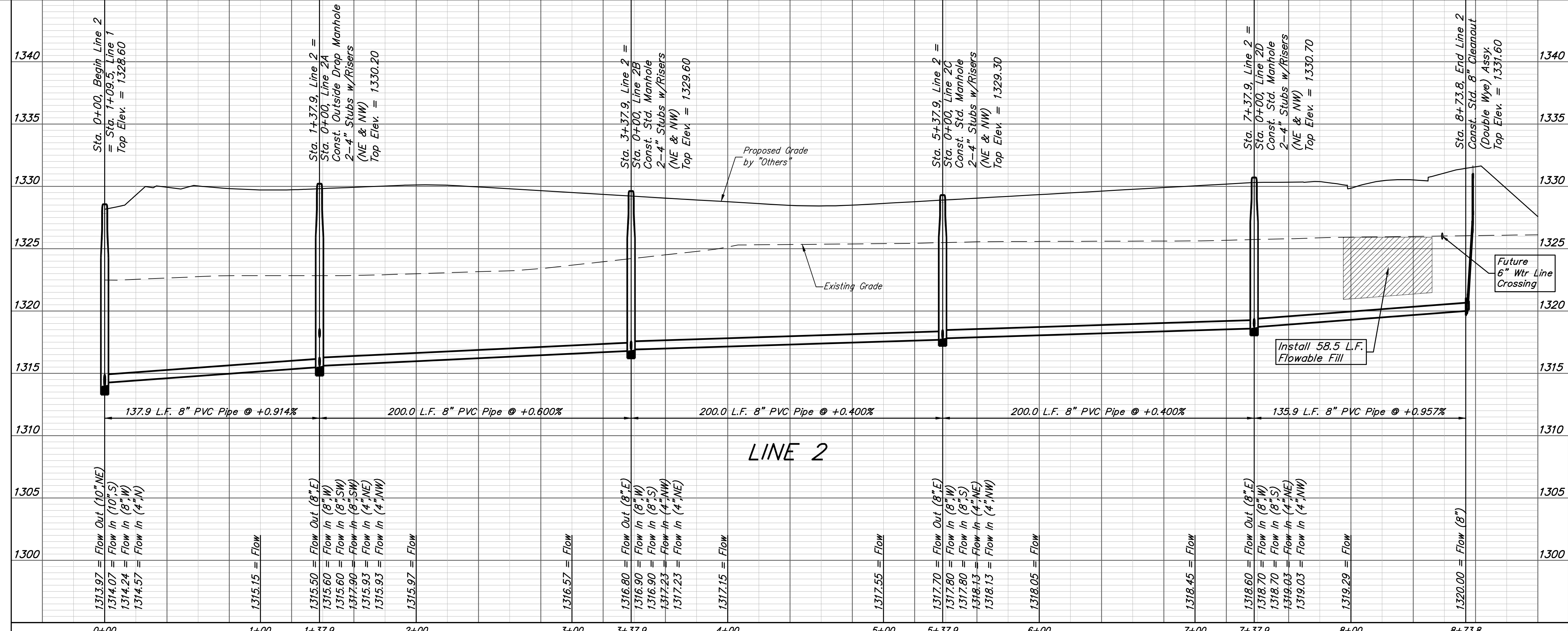
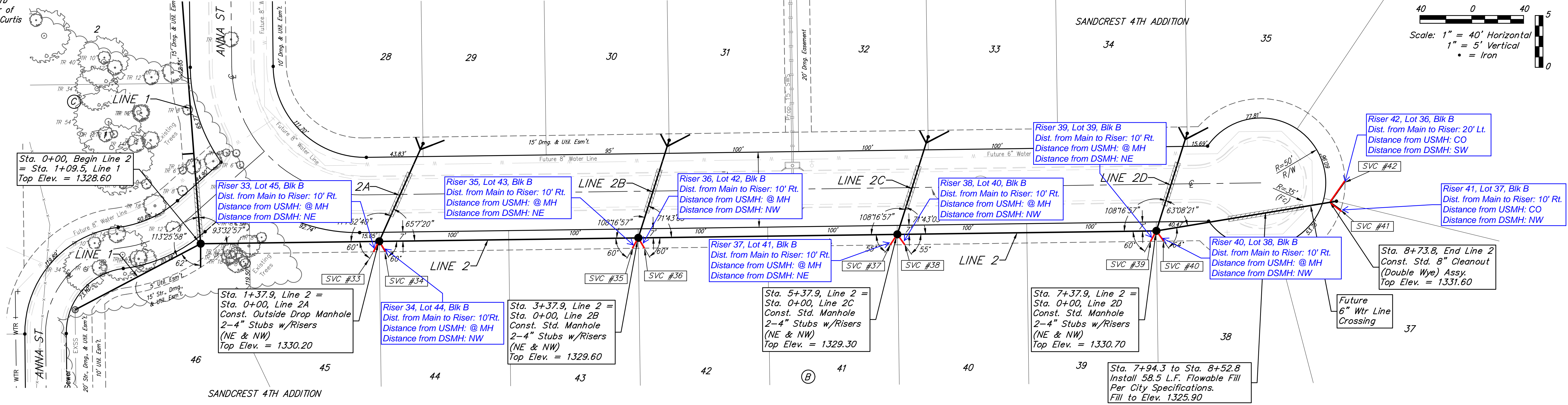
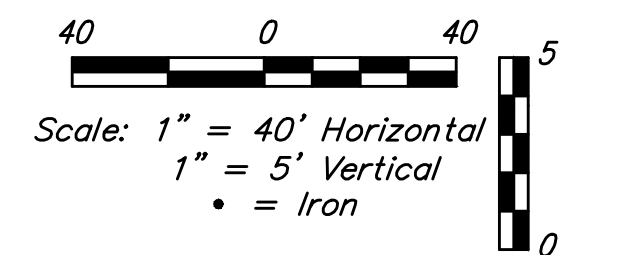
Existing Trees Shall be trimmed/removed  
 ONLY with approval of the Developer.  
 Trimming will be permitted only with  
 chainsaws. Trees Not In Direct Conflict  
 With Proposed New Construction Shall  
 Remain And Be Protected From Damage.  
 All Trimming or removal shall be  
 Included in Bid Item "Site Clearing"

SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION			FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION/ DIRECTION	APPROXIMATE LENGTH 4" PIPE
33	4" Stub	45	B	2	1+37.9/Rt.	10.2'
34	4" Stub	44	B	2	1+37.9/Rt.	10.2'
35	4" Stub	43	B	2	3+37.9/Rt.	8.3'
36	4" Stub	42	B	2	3+37.9/Rt.	8.3'
37	4" Stub	41	B	2	5+37.9/Rt.	7'

NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION/ DIRECTION	APPROXIMATE LENGTH 4" PIPE	
38	4" Stub	40	B	2	5+37.9/Rt.	7'	
39	4" Stub	39	B	2	7+37.9/Rt.	7.9'	
40	4" Stub	38	B	2	7+37.9/Rt.	7.9'	
41	Wye Ext	37	B	2	8+73.8/Lt.	7.9'	
42	Wye Ext	36	B	2	8+73.8/Lt.	7'	

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



**Baughman** Sandcrest 4th Addition  
**LINE 2**  
 Sanitary Sewer Improvements

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149  
 ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER: 468-85326  
 DESIGN: AEG  
 DRAWN: JAK  
 APPROVED: [Signature]  
 DATE: 1/07/19

REVISIONS:

SCALE: Noted  
 SHEET: 7 OF 22

C:\Projects\Sandcrest 4th Addition\_1801-P351\Engineering\SS\_18-04-E964\SS PLANS.dwg

**BENCHMARKS:**  
 City of Wichita Benchmark Disk  
 34.9' S. & 31.2' W. of the SW Cor.,  
 NW1/4, Sec. 2, Twp. 27-S, R-1-W.  
 Elev. = 1327.57 NAVD88

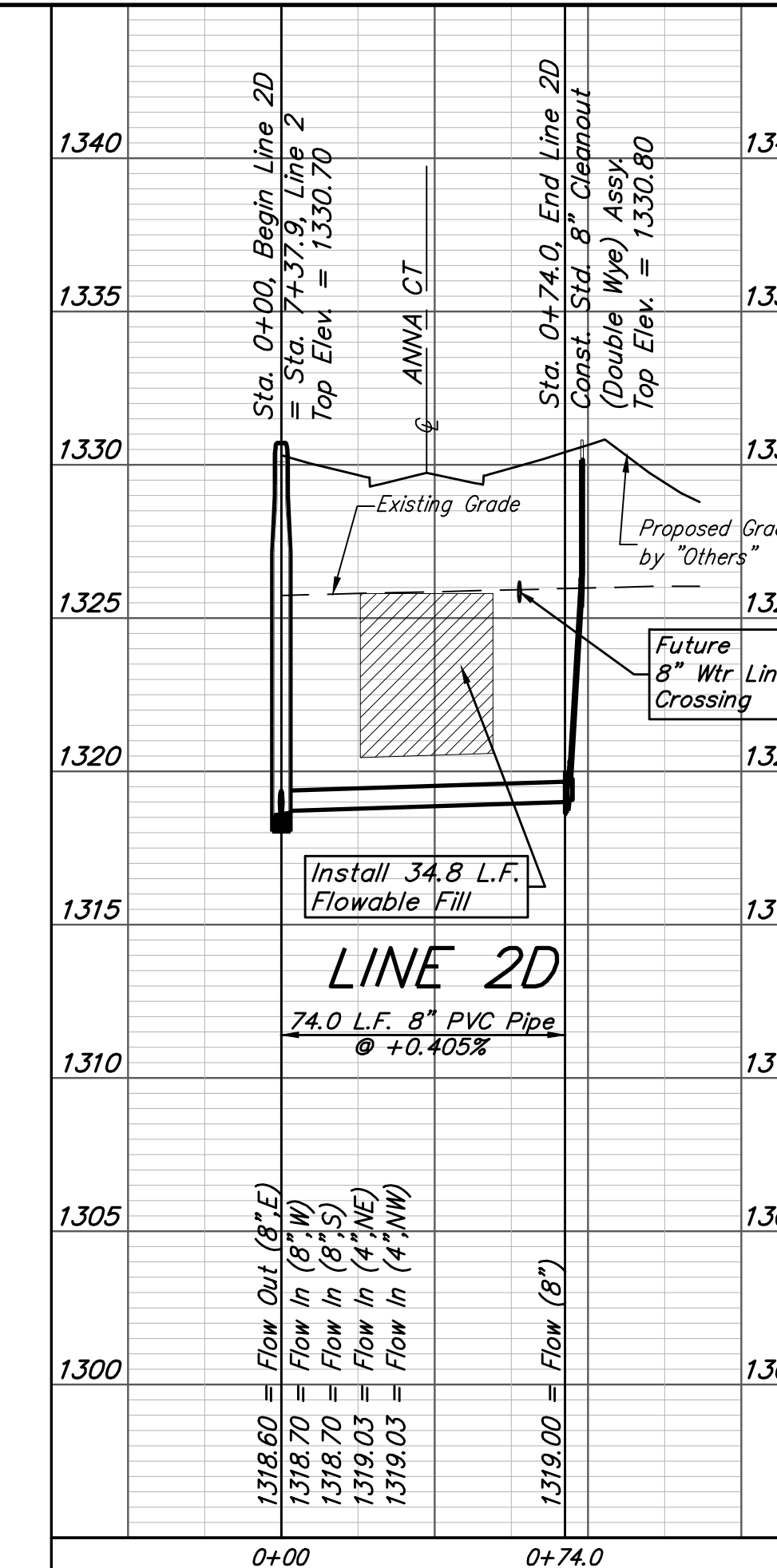
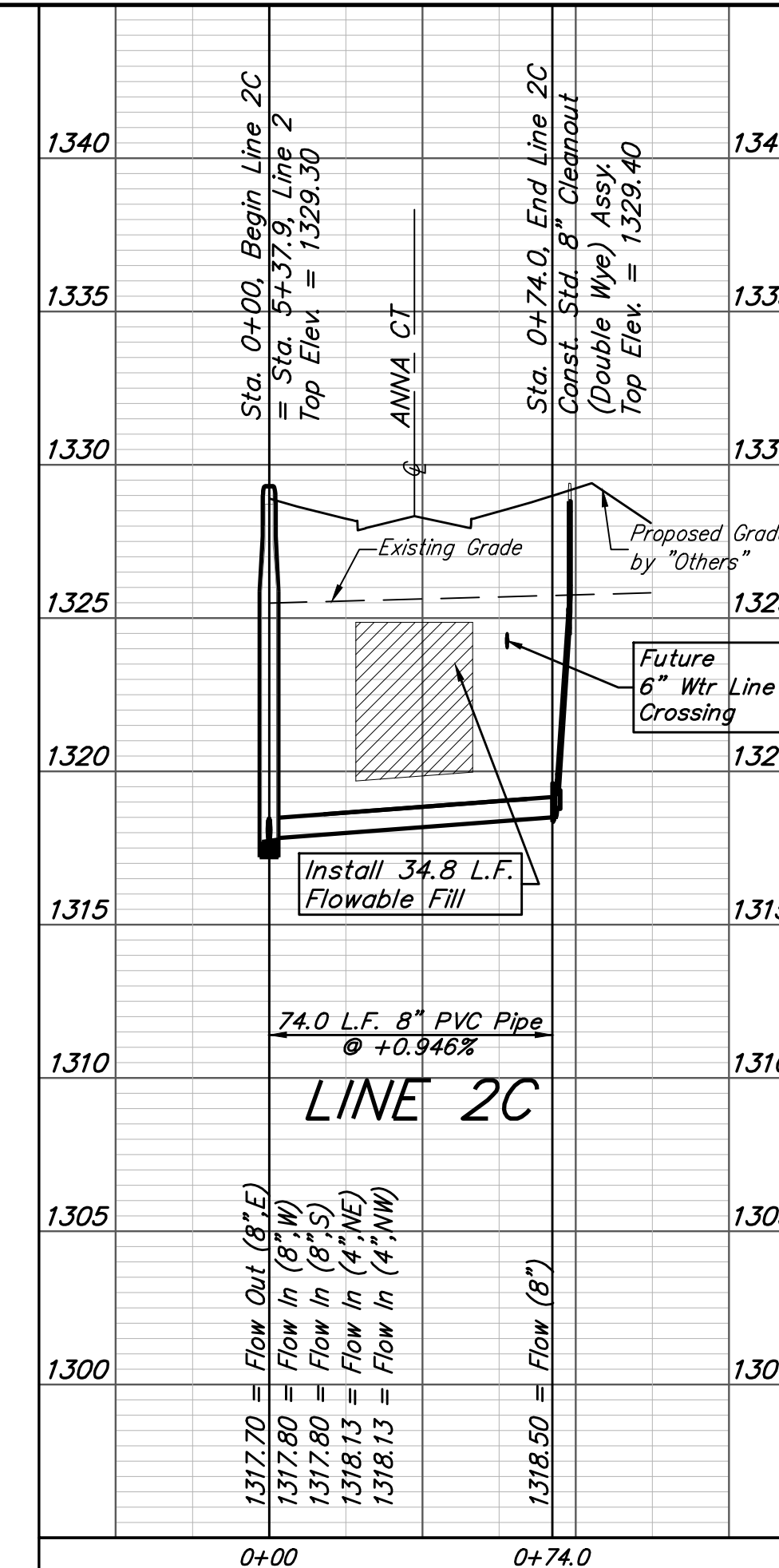
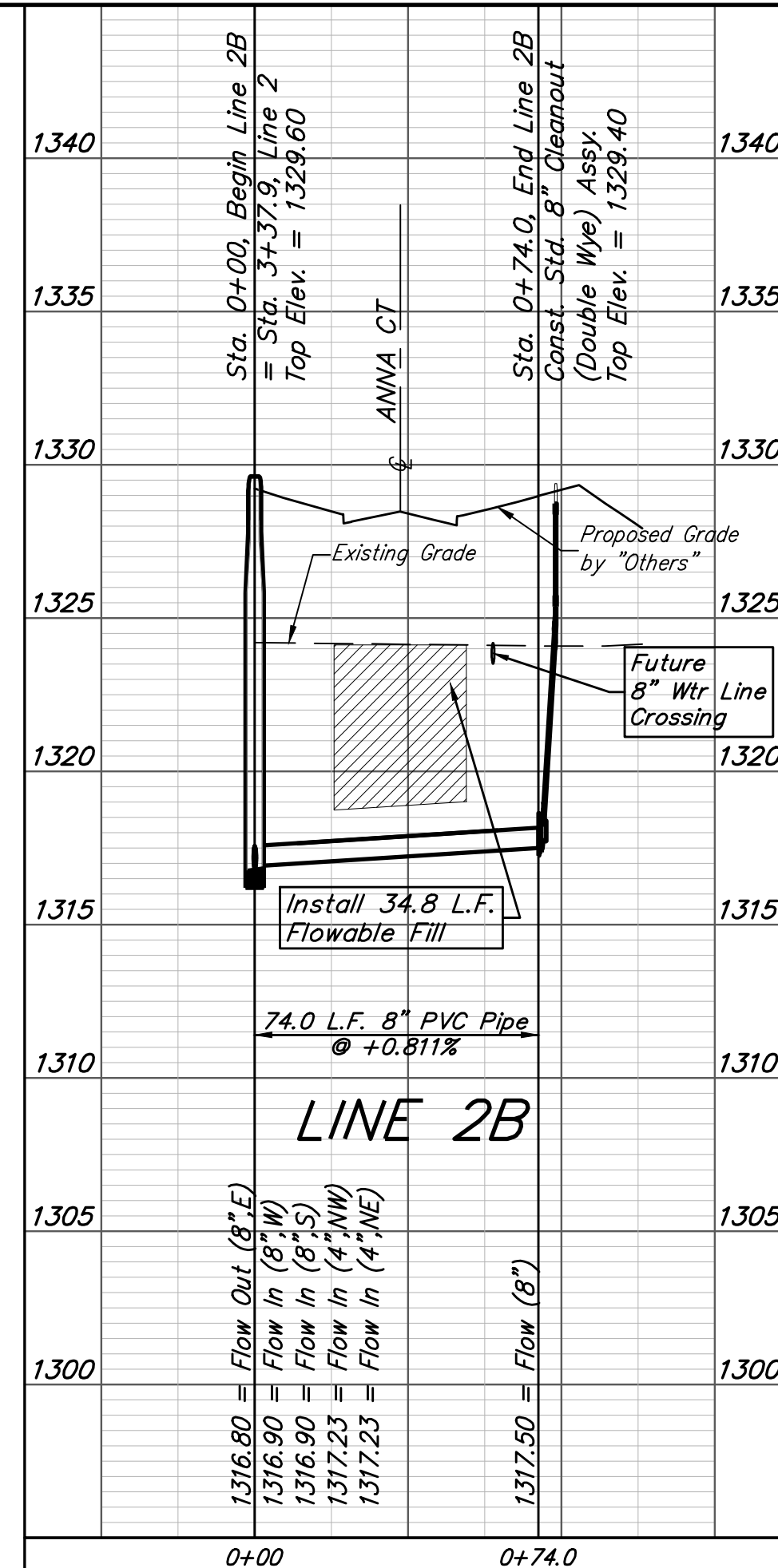
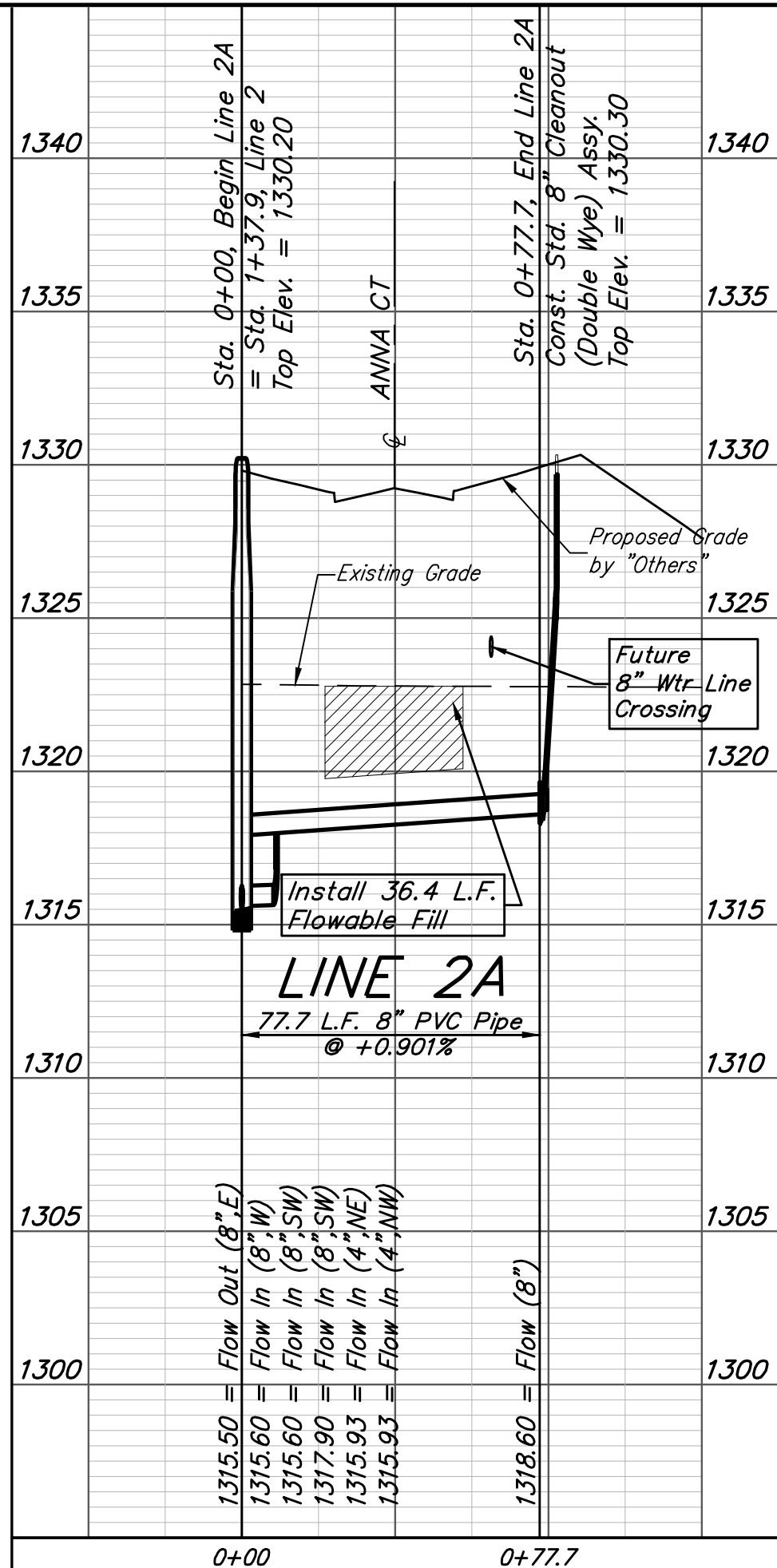
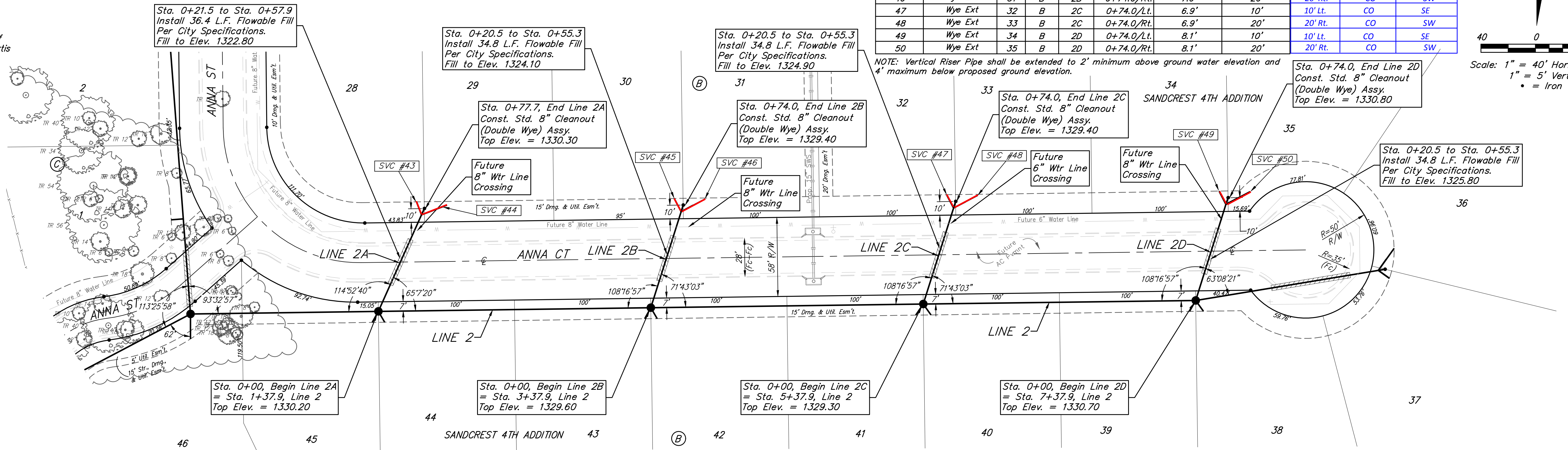
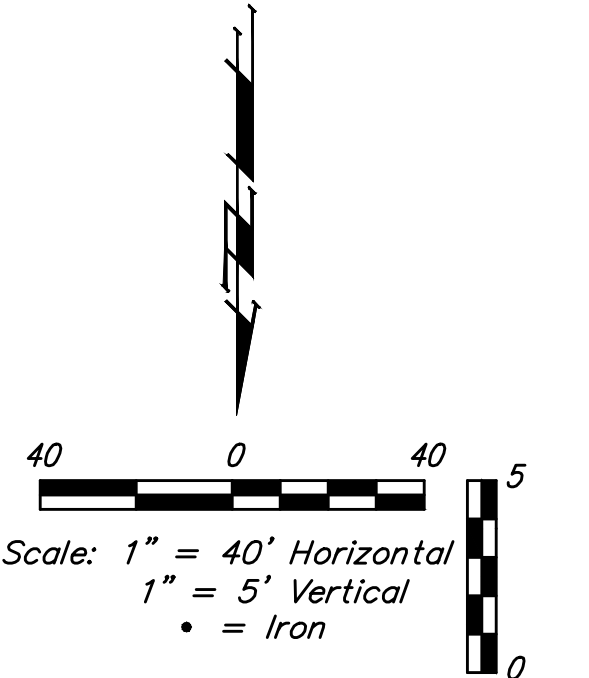
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 north of the northeast corner of  
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 Elev. = 1327.21 NAVD88

"□" cut in top of east curb  
 inlet at the southeast corner of  
 the southern intersection of Curtis  
 & Sandcrest.  
 Elev. = 1322.05 NAVD88

SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION		STATION/ DIRECTION	FOR INFORMATION ONLY		Distance from Main to Riser (Lt./Rt.)	Distance from		
		LOT NO.	BLOCK NO.		APPROXIMATE LENGTH 4" PIPE	VERTICAL		HORIZONTAL	Upstream MH	Downstream MH
43	Wye Ext	28	B	2A	0+77.7/Lt.	7.8'	10'	10' Lt.	CO	SE
44	Wye Ext	29	B	2A	0+77.7/Rt.	7.8'	20'	20' Rt.	CO	SW
45	Wye Ext	30	B	2B	0+74.0/Lt.	7.9'	10'	10' Lt.	CO	SE
46	Wye Ext	31	B	2B	0+74.0/Rt.	7.9'	20'	20' Rt.	CO	SW
47	Wye Ext	32	B	2C	0+74.0/Lt.	6.9'	10'	10' Lt.	CO	SE
48	Wye Ext	33	B	2C	0+74.0/Rt.	6.9'	20'	20' Rt.	CO	SW
49	Wye Ext	34	B	2D	0+74.0/Lt.	8.1'	10'	10' Lt.	CO	SE
50	Wye Ext	35	B	2D	0+74.0/Rt.	8.1'	20'	20' Rt.	CO	SW

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



**Baughman** Sandcrest 4th Addition  
**LINE 2A, 2B, 2C, & 2D**  
 Sanitary Sewer Improvements

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149  
 ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER: 468-85326 DESIGN: AEG DRAWN: JAK  
 APPROVED: DATE: 1/07/19  
 REVISIONS: SHEET

SCALE: Noted  
 SHEET: **8 OF 22**

C:\Projects\Sandcrest 4th Addition\_1801-P351\Engineering\SS\_18-04-E964\SS PLANS.dwg

**BENCHMARKS:**  
 City of Wichita Benchmark Disk  
 34.9' S. & 31.2' W. of the SW Cor.,  
 NW1/4, Sec. 2, Twp. 27-S, R-1-W.  
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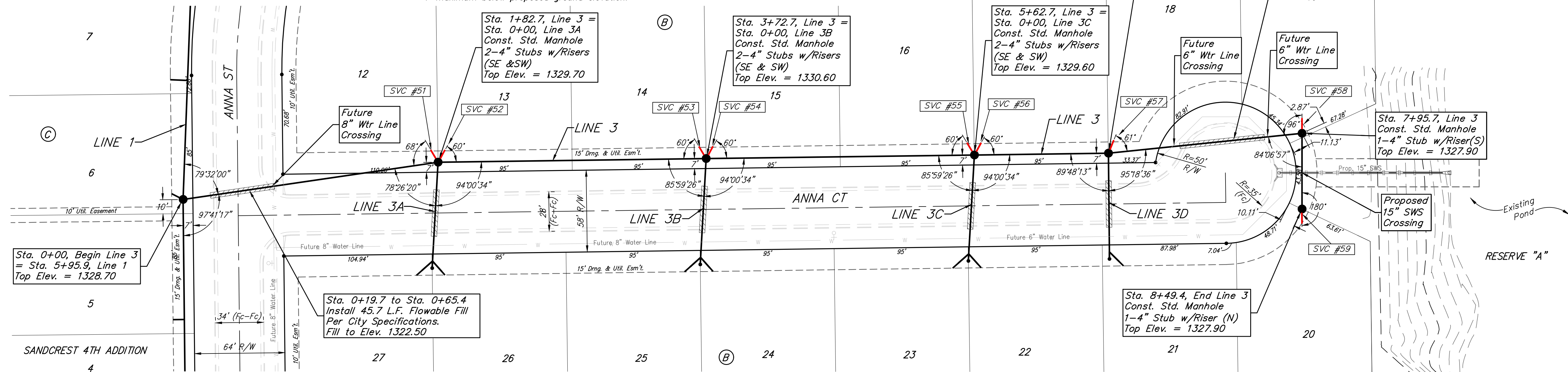
"□" cut in top of curb 1.5'  
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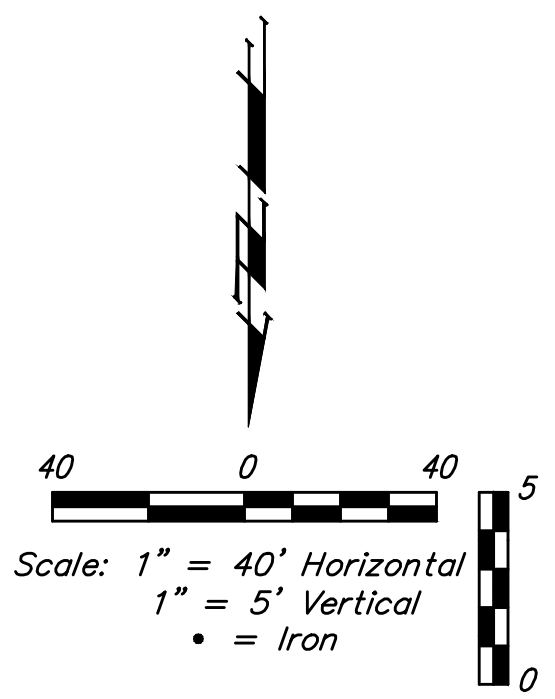
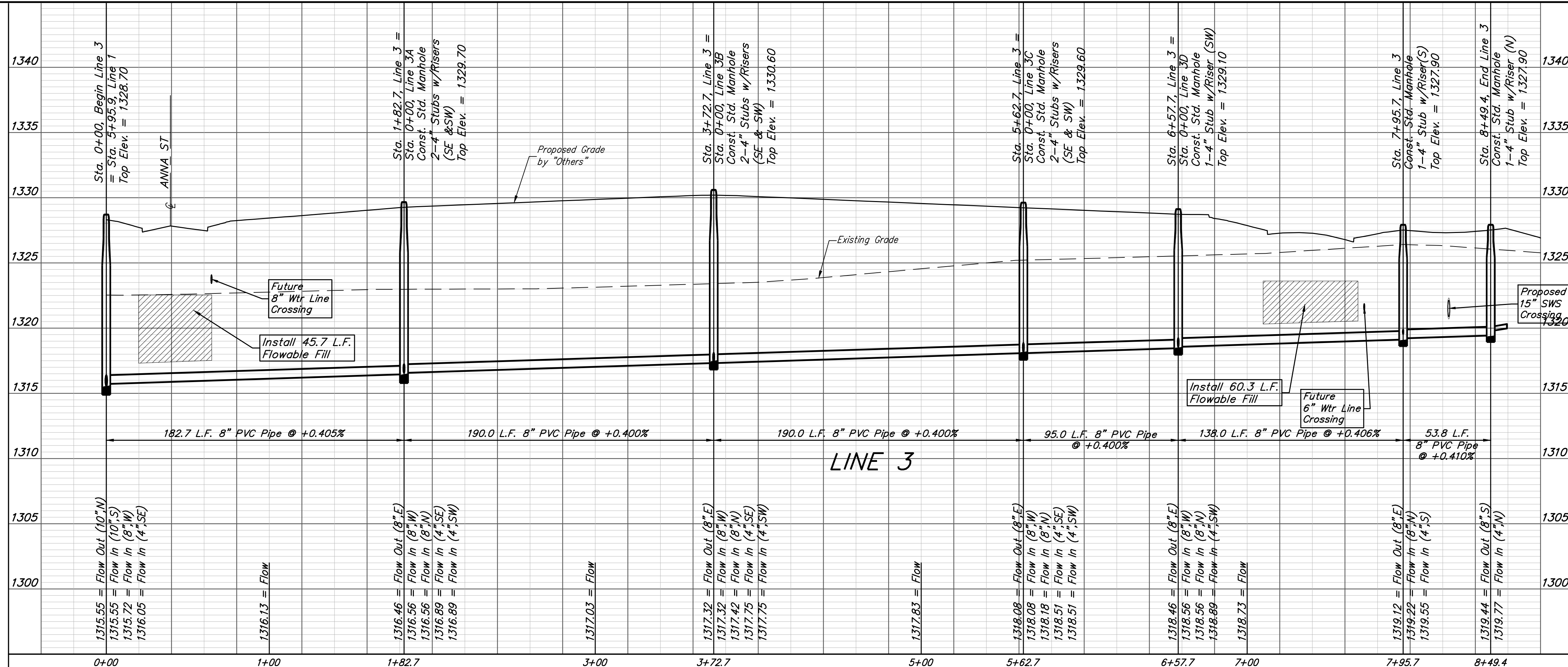
**SEWER SERVICE TABLE**

Distance from Main to Riser (Lt./Rt.)	Distance from		NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
	Upstream MH	Downstream MH			LOT NO.	BLOCK NO.	LINE DIRECTION	APPROXIMATE LENGTH 4" PIPE		
								VERTICAL	HORIZONTAL	
10' Lt.	@ MH	SE	51	4" Stub	12	B	3	1+82.7/Lt.	8.6'	10'
10' Lt.	@ MH	SW	52	4" Stub	13	B	3	1+82.7/Lt.	8.6'	10'
10' Lt.	@ MH	SE	53	4" Stub	14	B	3	3+72.7/Lt.	8.8'	10'
10' Lt.	@ MH	SW	54	4" Stub	15	B	3	3+72.7/Lt.	8.8'	10'
10' Lt.	@ MH	SE	55	4" Stub	16	B	3	5+62.7/Lt.	7.1'	10'
10' Lt.	@ MH	SW	56	4" Stub	17	B	3	5+62.7/Lt.	7.1'	10'
10' Lt.	@ MH	SW	57	4" Stub	18	B	3	6+57.7/Lt.	6.1'	10'
10' Lt.	@ MH	S	58	4" Stub	19	B	3	7+95.7/Lt.	4.4'	10'
10' Lt.	@ MH	N	59	4" Stub	20	B	3	8+49.4/Lt.	4.2'	10'

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



The Contractor shall be required to backfill trench with sand from Sta. 0+65.4 to Sta. 8+49.4, Line 3 except areas where flowable fill is called out. To be bid as "L.F. Fill, Sand, Flushed & Vibrated"



**Baughman** Sandcrest 4th Addition  
**LINE 3**  
 Sanitary Sewer Improvements

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149  
 ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER: 468-85326  
 DESIGN: AEG  
 DRAWN: JAK  
 APPROVED: [Signature]  
 DATE: 1/07/19

REVISIONS:

SCALE: Noted  
 SHEET: 9 OF 22

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**BENCHMARKS:**  
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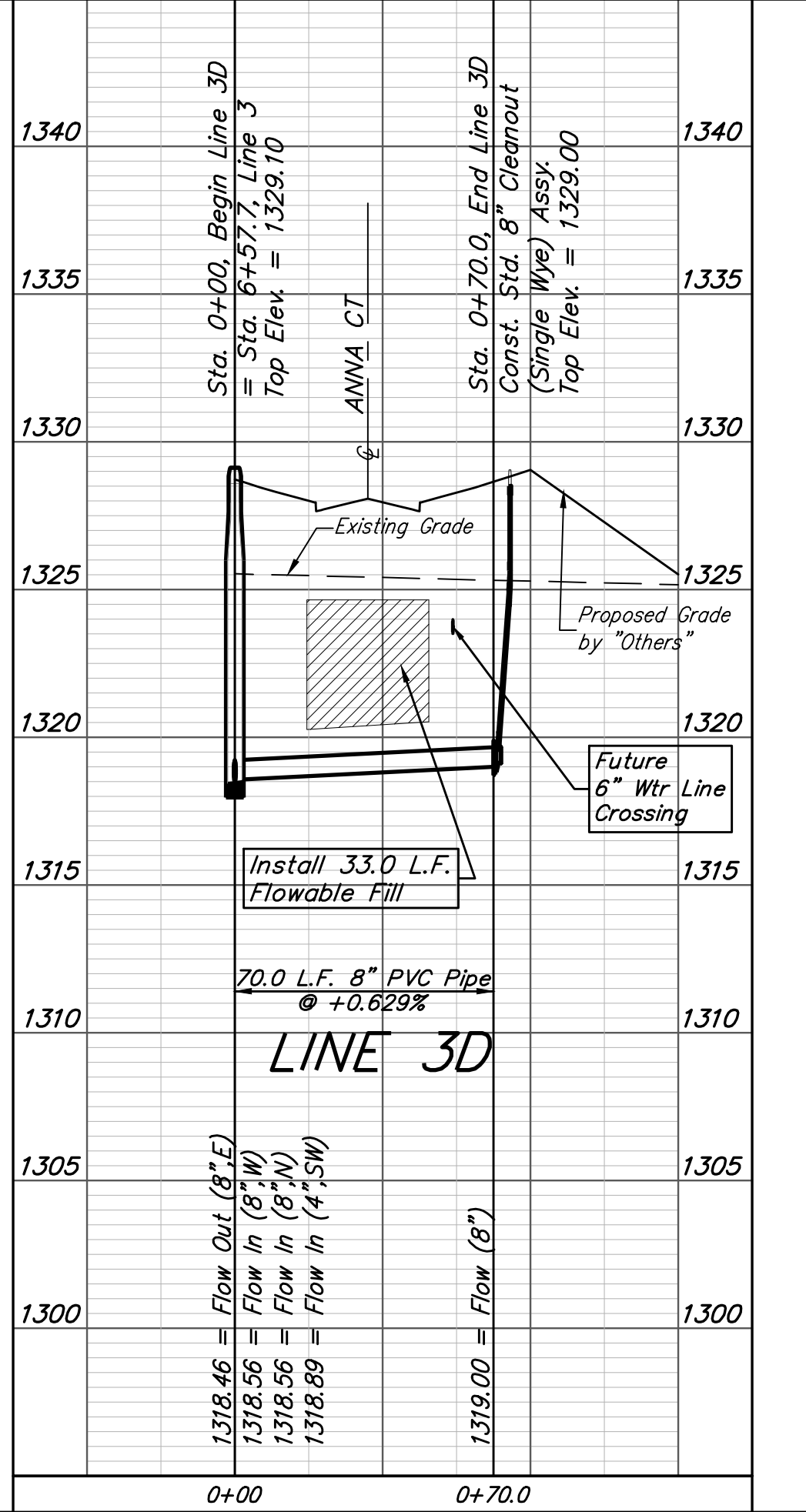
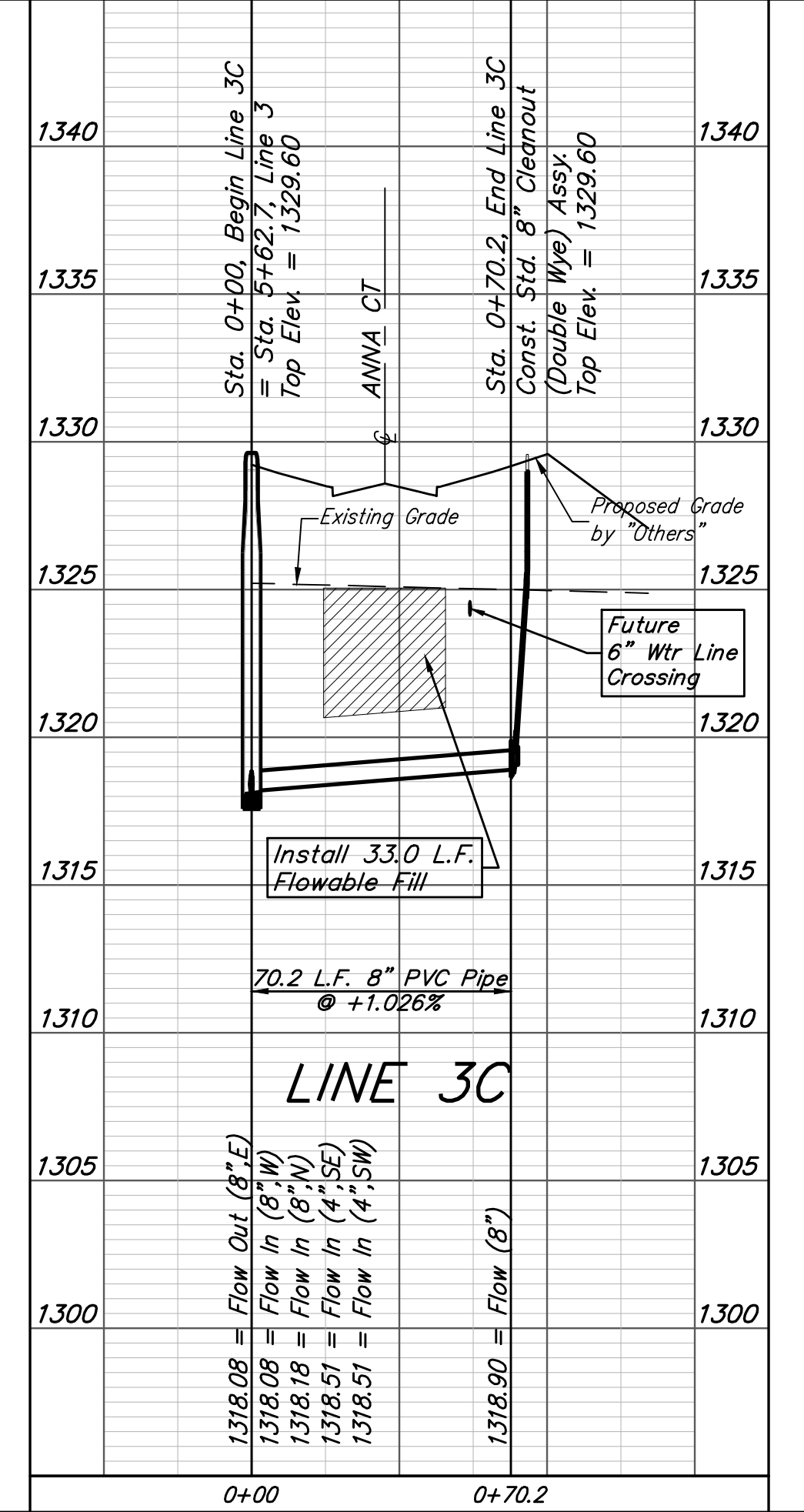
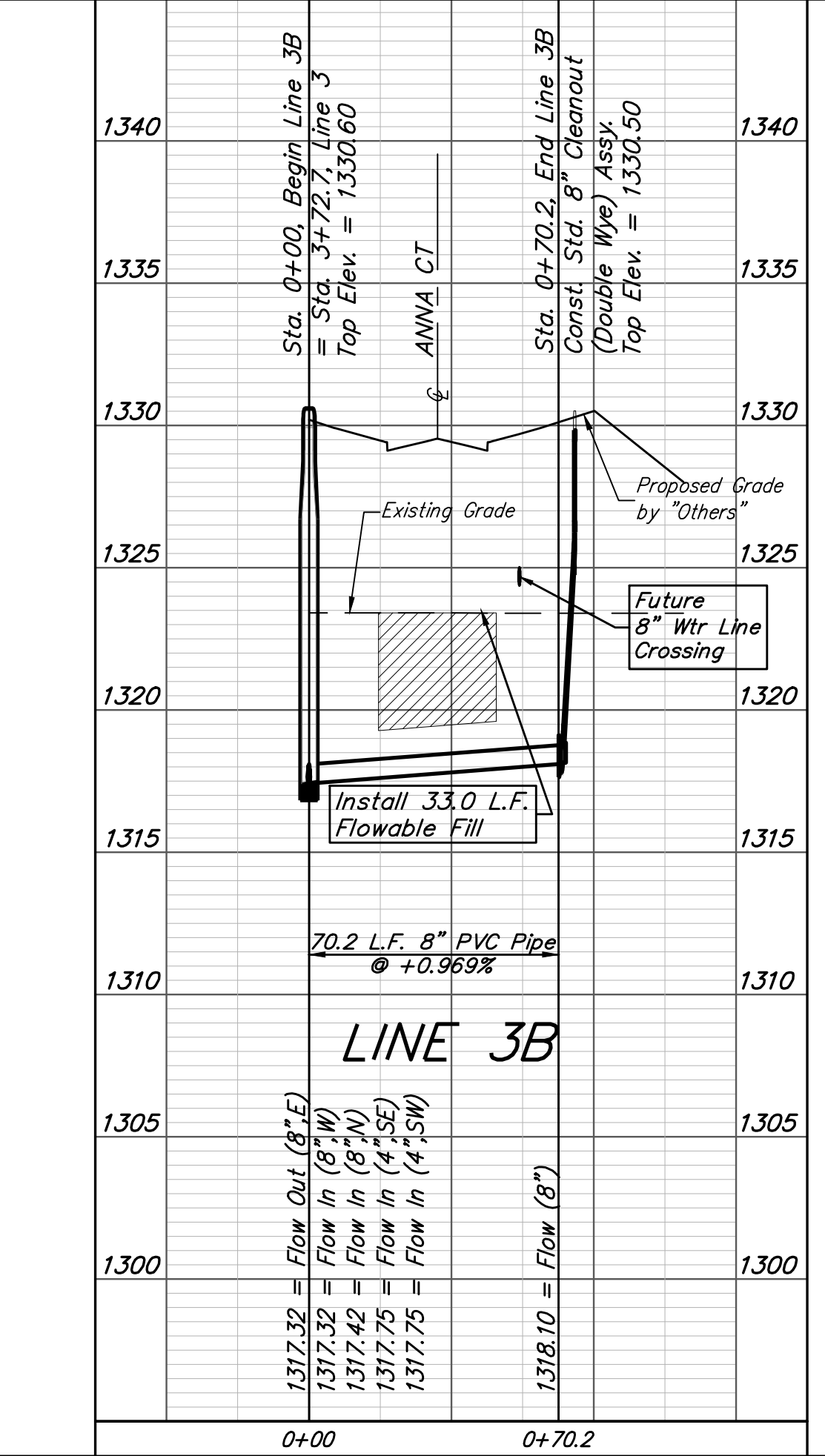
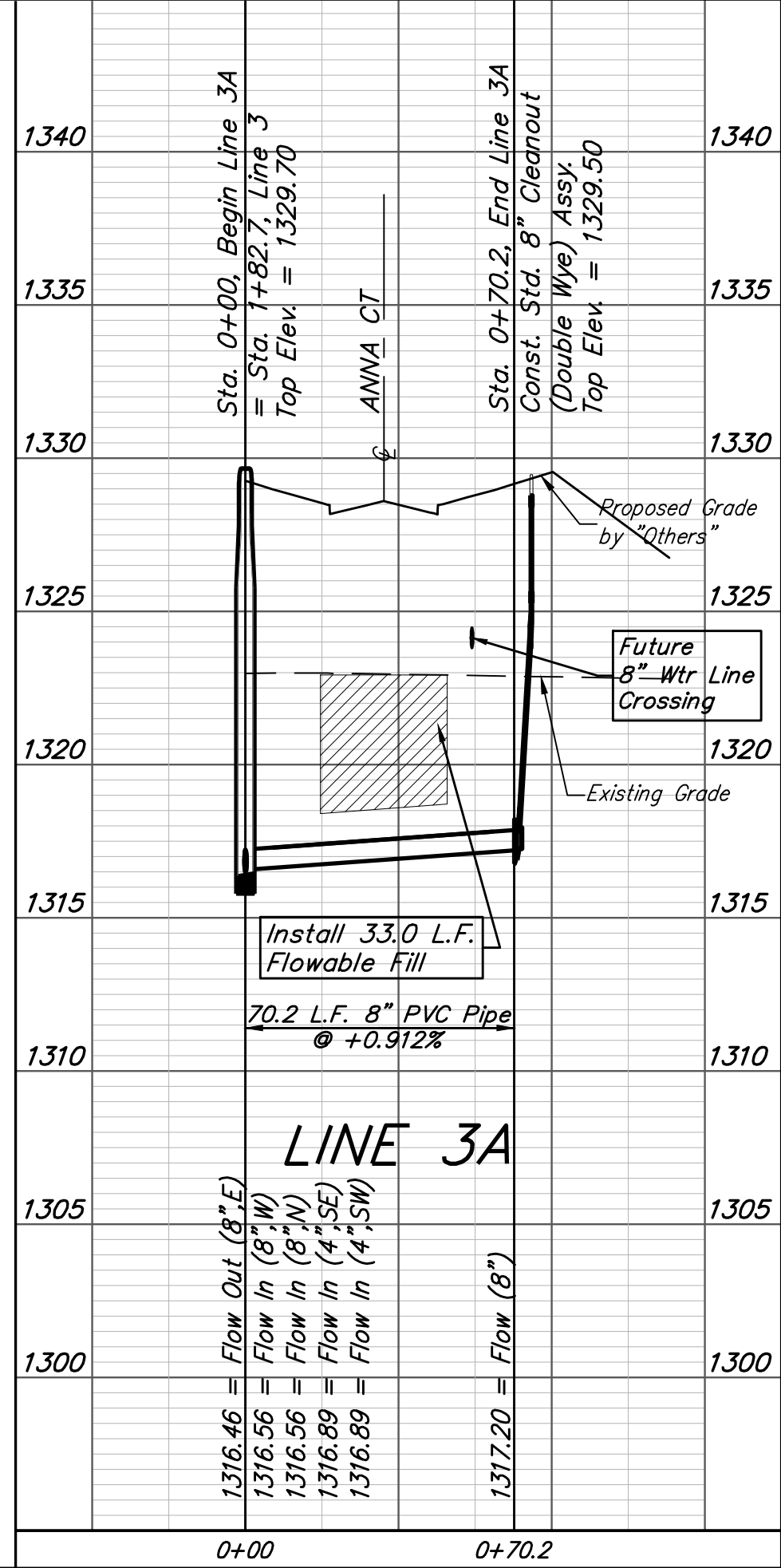
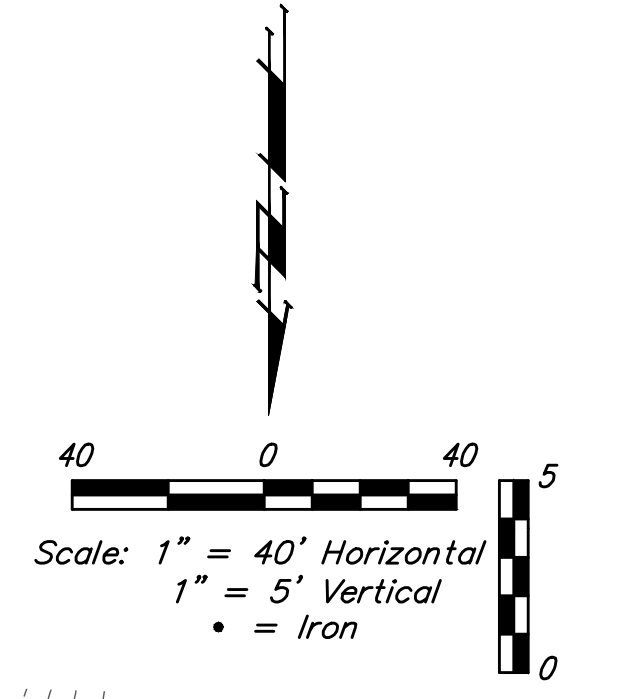
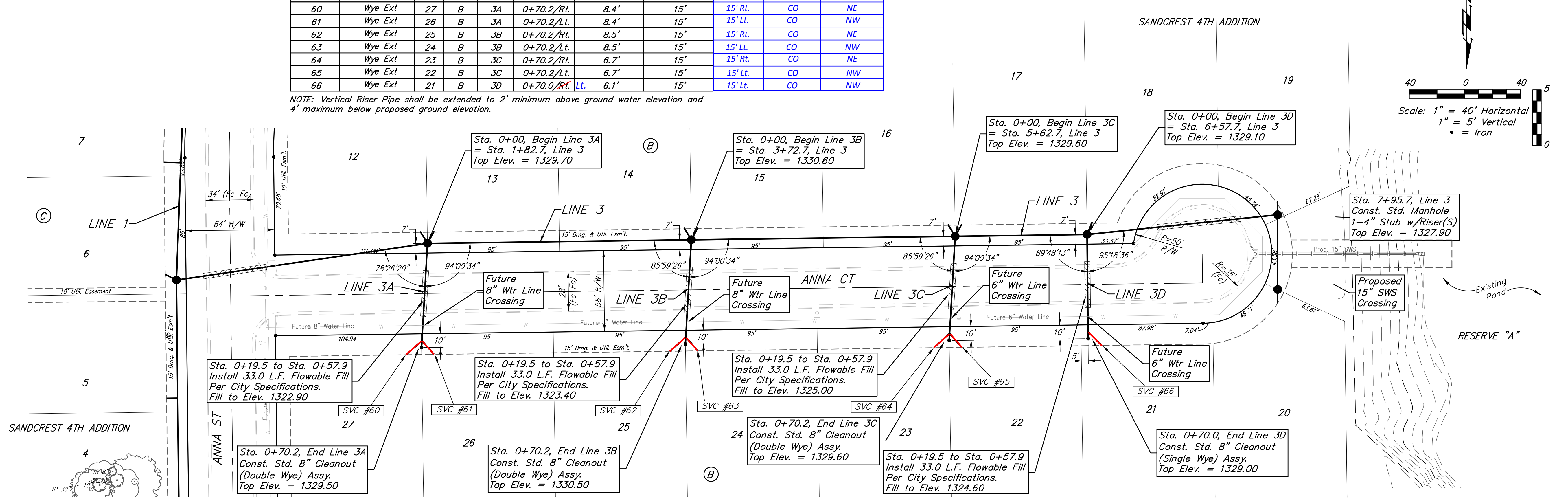
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 Elev. = 1322.05 NAVD88

**SEWER SERVICE TABLE**

NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY		Distance from		
		LOT NO.	BLOCK NO.	LINE NO.	STATION/DIRECTION	APPROXIMATE LENGTH 4" PIPE	VERTICAL	HORIZONTAL	Main to Riser (Lt./Rt.)	Upstream MH
60	Wye Ext	27	B	3A	0+70.2/Rt.	8.4'	15'	15' Rt.	CO	NE
61	Wye Ext	26	B	3A	0+70.2/Lt.	8.4'	15'	15' Lt.	CO	NW
62	Wye Ext	25	B	3B	0+70.2/Rt.	8.5'	15'	15' Rt.	CO	NE
63	Wye Ext	24	B	3B	0+70.2/Lt.	8.5'	15'	15' Lt.	CO	NW
64	Wye Ext	23	B	3C	0+70.2/Rt.	6.7'	15'	15' Rt.	CO	NE
65	Wye Ext	22	B	3C	0+70.2/Lt.	6.7'	15'	15' Lt.	CO	NW
66	Wye Ext	21	B	3D	0+70.0/Rt. Lt.	6.1'	15'	15' Lt.	CO	NW

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



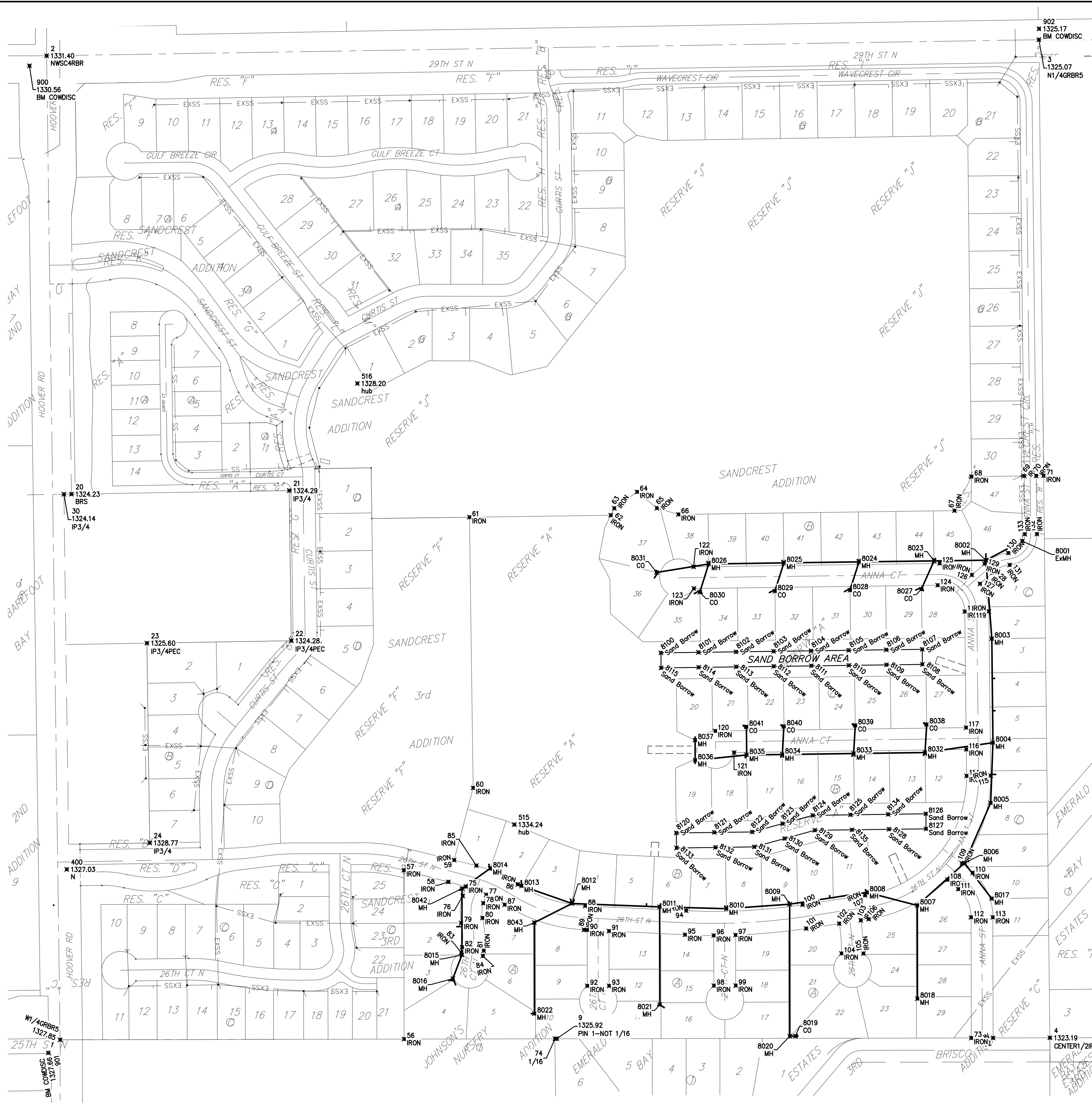
**Baughman** Sandcrest 4th Addition  
**LINE 3A, 3B, 3C, & 3D**  
 Sanitary Sewer Improvements

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149  
 ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER: 468-85326  
 REVISIONS:

DESIGN: AEG  
 DRAWN: JAK  
 APPROVED: DATE: 1/07/19  
 SCALE: Noted  
 SHEET: **10 OF 22**

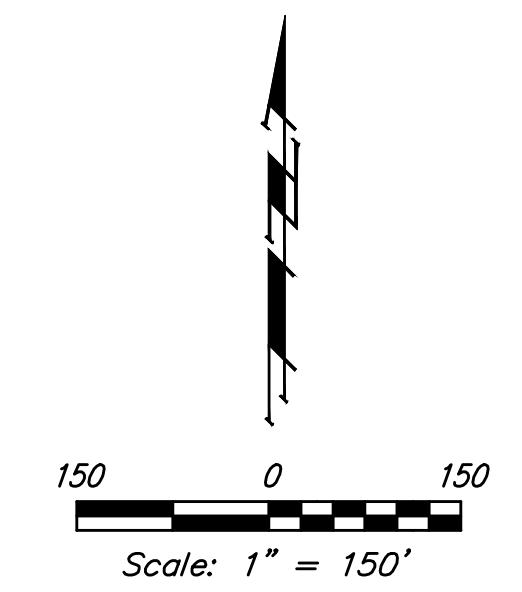
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CONTROL POINTS			
Point	Northing	Eastings	Desc
1	7,380.00	20,035.75	W1/4GRBR5
2	10,000.00	20,000.00	NWSC4RBR
3	10,042.82	22,641.78	N1/4GRBR5
4	7,385.08	22,671.19	CENTER1/ZIP
9	7,383.01	21,358.40	PIN 1-NOT 1/16
20	8,832.91	20,065.94	BRS
21	8,842.34	20,645.79	IP3/4
22	8,442.34	20,651.35	IP3/4PEEC
23	8,436.06	20,267.01	IP3/4PEEC
24	7,904.30	20,274.31	IP3/4
30	8,832.60	20,045.92	IP3/4
56	7,381.83	20,951.81	IRON
57	7,831.54	20,950.94	IRON
58	7,800.33	21,069.61	IRON
59	7,858.28	21,084.84	IRON
60	8,050.76	21,135.48	IRON
61	8,771.45	21,125.64	IRON
62	8,776.51	21,502.10	IRON
63	8,795.15	21,511.27	IRON
64	8,838.90	21,572.19	IRON
65	8,795.53	21,624.56	IRON
66	8,778.93	21,682.22	IRON
67	8,788.81	22,417.15	IRON
68	8,879.73	22,462.64	IRON
69	8,881.28	22,602.63	IRON
70	8,881.63	22,634.63	IRON
71	8,881.86	22,654.62	IRON
72	7,384.80	22,519.81	IRON
73	7,384.70	22,461.81	IRON
74	7,382.64	21,353.42	1/16
75	7,787.99	21,116.52	IRON
76	7,762.78	21,107.73	IRON
77	7,766.06	21,170.30	IRON
78	7,743.69	21,162.50	IRON
79	7,691.18	21,103.87	IRON
80	7,704.28	21,160.37	IRON
81	7,617.45	21,163.58	IRON
82	7,626.35	21,106.27	IRON
83	7,612.02	21,104.04	IRON
84	7,603.13	21,161.36	IRON
85	7,843.63	21,144.09	IRON
86	7,793.71	21,254.00	IRON
87	7,739.70	21,219.65	IRON
88	7,736.64	21,433.75	IRON
89	7,672.72	21,430.67	IRON
90	7,672.30	21,439.25	IRON
91	7,669.50	21,497.26	IRON
92	7,523.44	21,439.54	IRON
93	7,523.55	21,497.54	IRON
94	7,723.65	21,702.73	IRON

CONTROL POINTS			
Point	Northing	Eastings	Desc
95	7,659.72	21,699.64	IRON
96	7,657.83	21,776.28	IRON
97	7,658.78	21,834.28	IRON
98	7,524.09	21,776.54	IRON
99	7,524.20	21,834.54	IRON
100	7,739.42	22,012.62	IRON
101	7,676.14	22,022.18	IRON
102	7,689.45	22,110.31	IRON
103	7,698.12	22,167.66	IRON
104	7,609.75	22,116.37	IRON
105	7,609.86	22,174.37	IRON
106	7,701.27	22,188.54	IRON
107	7,764.55	22,178.98	IRON
108	7,806.05	22,398.74	IRON
109	7,849.66	22,436.98	IRON
110	7,824.77	22,465.36	IRON
111	7,781.16	22,427.12	IRON
112	7,706.17	22,461.19	IRON
113	7,706.28	22,519.19	IRON
114	8,082.50	22,449.46	IRON
115	8,083.21	22,513.45	IRON
116	8,153.18	22,448.67	IRON
117	8,211.18	22,448.03	IRON
118	8,519.99	22,444.62	IRON
119	8,520.73	22,508.61	IRON
120	8,202.20	21,780.17	IRON
121	8,144.86	21,830.30	IRON
122	8,639.46	21,722.42	IRON
123	8,581.46	21,723.20	IRON
124	8,590.20	22,372.66	IRON
125	8,648.27	22,377.88	IRON
126	8,617.50	22,463.26	IRON
127	8,593.88	22,484.86	IRON
128	8,623.68	22,518.45	IRON
129	8,647.62	22,497.21	IRON
130	8,676.01	22,560.32	IRON
131	8,644.24	22,564.15	IRON
132	8,726.56	22,636.34	IRON
133	8,726.21	22,604.34	IRON
400	7,833.67	20,053.67	N

SS POINTS			
Point	Northing	Eastings	Desc
8001	8,707.91	22,597.55	EvMH
8002	8,656.92	22,500.64	MH
8003	8,448.13	22,516.41	MH
8004	8,171.14	22,519.48	MH
8005	8,011.07	22,513.48	MH
8006	7,850.38	22,443.74	MH
8007	7,737.69	22,318.13	MH
8008	7,772.48	22,184.15	MH
8009	7,740.91	21,978.12	MH
8010	7,729.14	21,809.98	MH
8011	7,734.07	21,632.13	MH
8012	7,743.02	21,398.92	MH
8013	7,789.60	21,264.50	MH
8014	7,836.30	21,181.00	MH
8015	7,605.60	21,105.62	MH
8016	7,542.83	21,081.61	MH
8017	7,756.08	22,516.30	MH
8018	7,489.38	22,318.61	MH
8019	7,389.83	21,993.80	CO
8020	7,389.80	21,978.80	MH
8021	7,473.59	21,632.64	MH
8022	7,449.75	21,298.68	MH
8023	8,655.07	22,362.74	MH
8024	8,652.38	22,162.76	MH
8025	8,649.69	21,962.78	MH
8026	8,647.00	21,762.80	MH
8027	8,579.61	22,328.98	CO
8028	8,577.05	22,138.99	CO
8029	8,574.36	21,939.01	CO
8030	8,571.68	21,739.03	CO
8031	8,412.12	21,623.79	CO
8032	8,144.70	22,338.72	MH
8033	8,142.15	22,148.74	MH
8034	8,139.59	21,958.75	MH
8035	8,138.31	21,863.76	MH
8036	8,124.17	21,726.52	MH
8037	8,177.93	21,726.52	MH
8038	8,219.76	22,342.97	CO
8039	8,217.21	22,152.98	CO
8040	8,214.65	21,963.00	CO
8041	8,213.31	21,863.01	CO
8042	7,782.46	21,106.12	MH
8043	7,691.78	21,298.21	MH
8100	8,410.27	21,635.47	Sand Borrow
8101	8,411.61	21,735.47	Sand Borrow
8102	8,412.96	21,835.46	Sand Borrow
8103	8,414.30	21,935.45	Sand Borrow
8104	8,415.65	22,035.44	Sand Borrow
8105	8,416.99	22,135.43	Sand Borrow
8106	8,418.34	22,235.42	Sand Borrow
8107	8,419.62	22,331.13	Sand Borrow
8108	8,379.63	22,331.67	Sand Borrow
8109	8,378.34	22,235.96	Sand Borrow
8110	8,377.00	22,135.97	Sand Borrow
8111	8,375.65	22,035.98	Sand Borrow
8112	8,374.31	21,935.98	Sand Borrow
8113	8,372.96	21,835.99	Sand Borrow
8114	8,371.62	21,736.00	Sand Borrow
8115	8,370.27	21,636.01	Sand Borrow
8120	7,930.78	21,676.54	Sand Borrow
8121	7,932.14	21,777.60	Sand Borrow
8122	7,933.50	21,878.66	Sand Borrow
8123	7,955.58	21,959.26	Sand Borrow
8124	7,977.67	22,039.85	Sand Borrow
8125	7,979.02	22,140.21	Sand Borrow
8126	7,981.72	22,240.91	Sand Borrow
8127	7,941.72	22,341.45	Sand Borrow
8128	7,940.39	22,242.80	Sand Borrow
8129	7,937.74	22,045.50	Sand Borrow
8130	7,915.65	21,964.90	Sand Borrow
8131	7,893.57	21,884.31	Sand Borrow
8132	7,892.17	21,780.69	Sand Borrow
8133	7,890.78	21,677.07	Sand Borrow
8134	7,980.37	22,240.56	Sand Borrow
8135	7,939.07	22,144.15	Sand Borrow



**BENCHMARKS:**  
 City of Wichita Benchmark Disk  
 34.9' S. & 31.2' W. of the SW Cor.,  
 NW1/4, Sec. 2, Twp. 27-S, R-1-W.  
 Elev. = 1327.57 NAVD88

"□" cut in top of curb 1.5'  
 north of the northeast corner of  
 Lot 20, Block B, Sandcrest Addn.  
 Elev. = 1327.21 NAVD88

"□" cut in top of east curb  
 inlet at the southeast corner of  
 the southern intersection of Curtis  
 & Sandcrest.  
 Elev. = 1322.05 NAVD88

SS POINTS			
Point	Northing	Eastings	Desc
8100	8,410.27	21,635.47	Sand Borrow
8101	8,411.61	21,735.47	Sand Borrow
8102	8,412.96	21,835.46	Sand Borrow
8103	8,414.30	21,935.45	Sand Borrow
8104	8,415.65	22,035.44	Sand Borrow
8105	8,416.99	22,135.43	Sand Borrow
8106	8,418.34	22,235.42	Sand Borrow
8107	8,419.62	22,331.13	Sand Borrow
8108	8,379.63	22,331.67	Sand Borrow
8109	8,378.34	22,235.96	Sand Borrow
8110	8,377.00	22,135.97	Sand Borrow
8111	8,375.65	22,035.98	Sand Borrow
8112	8,374.31	21,935.98	Sand Borrow
8113	8,372.96	21,835.99	Sand Borrow
8114	8,371.62	21,736.00	Sand Borrow
8115	8,370.27	21,636.01	Sand Borrow
8120	7,930.78	21,676.54	Sand Borrow
8121	7,932.14	21,777.60	Sand Borrow
8122	7,933.50	21,878.66	Sand Borrow
8123	7,955.58	21,959.26	Sand Borrow
8124	7,977.67	22,039.85	Sand Borrow
8125	7,979.02	22,140.21	Sand Borrow
8126	7,981.72	22,240.91	Sand Borrow
8127	7,941.72	22,341.45	Sand Borrow
8128	7,940.39	22,242.80	Sand Borrow
8129	7,937.74	22,045.50	Sand Borrow
8130	7,915.65	21,964.90	Sand Borrow
8131	7,893.57	21,884.31	Sand Borrow
8132	7,892.17	21,780.69	Sand Borrow
8133	7,890.78	21,677.07	Sand Borrow
8134	7,980.37	22,240.56	Sand Borrow
8135	7,939.07	22,144.15	Sand Borrow

**Sandcrest 4th Addition**  
**COORDINATES**  
 Sanitary Sewer Improvements

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149  
 ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER 468-85326	DESIGN AEG
REVISIONS: 2/5/2019 AEG UPDATE TO ADD SAND BORROW POINTS 2/14/2019 JAK ADDED ADDITIONAL SAND BORROW POINTS	DRAWN JAK DATE 1/07/19
SCALE Noted	
SHEET <b>21 OF 22</b>	