

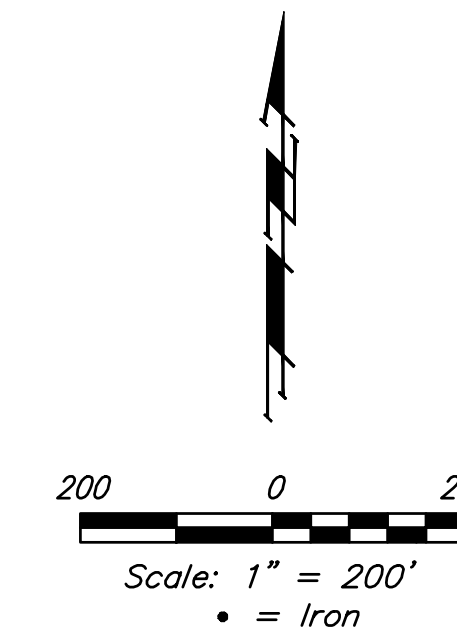
SANITARY SEWER IMPROVEMENTS to serve

RENNICK & RENNICK 2ND ADDITION - Ph. I (Bid by Developer) CITY OF WICHITA, KANSAS

Gary Janzen, P.E. City Engineer
Project Number 468-2021-008733
Org Code Number 47263821
Munis Number E1026

Mies Construction - Contractor
K. Kerns - City of Wichita, Field Project Engineer
R. Carillo - City of Wichita, Inspector
As-built
Stubs & Risers
Release Date (for connection purposes only): 2/9/2022
Completion Date:
pdf: apr 2/9/2022

Note: This is a Partial Release (Lines 2, 3 & 4 released;
Line 1 will be completed later in the year)



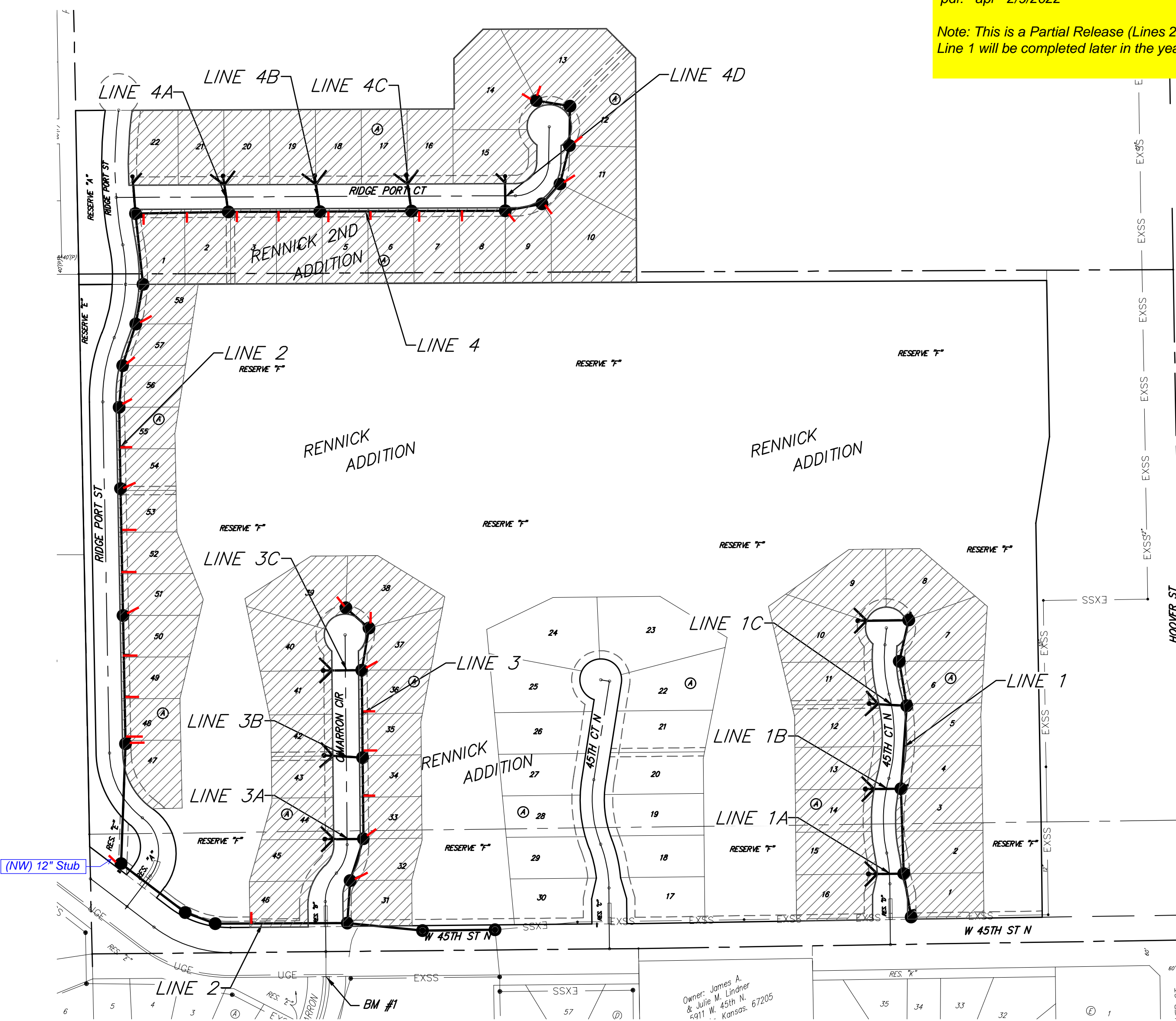
GENERAL NOTES:

- 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
- 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 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.
- 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.
- Sales tax exemption does not apply to this project.
- 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 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 measured quantity of each BMP item.
- 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 within 45th St. R/W disturbed during construction shall be seeded, mulched, and fertilized as follows:
SEED -- Kansas Premium Fescue Blend; 8#/1000 Sq. Ft.
Rye grass (PLS); 3#/1000 Sq. Ft. and
FERTILIZER -- 12-24-12 Ratio at 350 Lbs./Ac.
MULCH -- 2 Tons Prairie Hay / Acre
All other disturbed areas are to be seeded as follows:
SEED -- Rye grass (PLS)--5#/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".
An additional bid item for "Seeding, Temporary" has been included and may be used at the discretion of the Design Engineer. Temporary seed shall be Annual Rye at of 5 Lbs./1000 Sq. Ft. unless otherwise noted and shall be planted when permanent seed or sod cannot be used due to seasonal limitations.
- 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.
- Protective fill is available by borrowing material from the rear 30' of lots down 3-4'.
- The Developer for this project is Jay Russell
A.O. Box 75337, Wichita, KS 67272
PH# (316) 990-2105 Email j@jussellco.com

BENCHMARKS

CROSS CUT IN SQUARE CUT, TOP OF CURB AT NORTH END OF ISLAND, SOUTH OF INTERSECTION OF CIMARRON AND W 45TH ST N, 128.3' SOUTH-SOUTHWEST OF SOUTHWEST CORNER, LOT 31, BLOCK A, RENNICK ADD. & 129.1' SOUTH-SOUTHWEST OF THE SOUTHWEST CORNER OF LOT 46, BLOCK A, RENNICK ADD. ELEV. = 1339.19 NAVD88

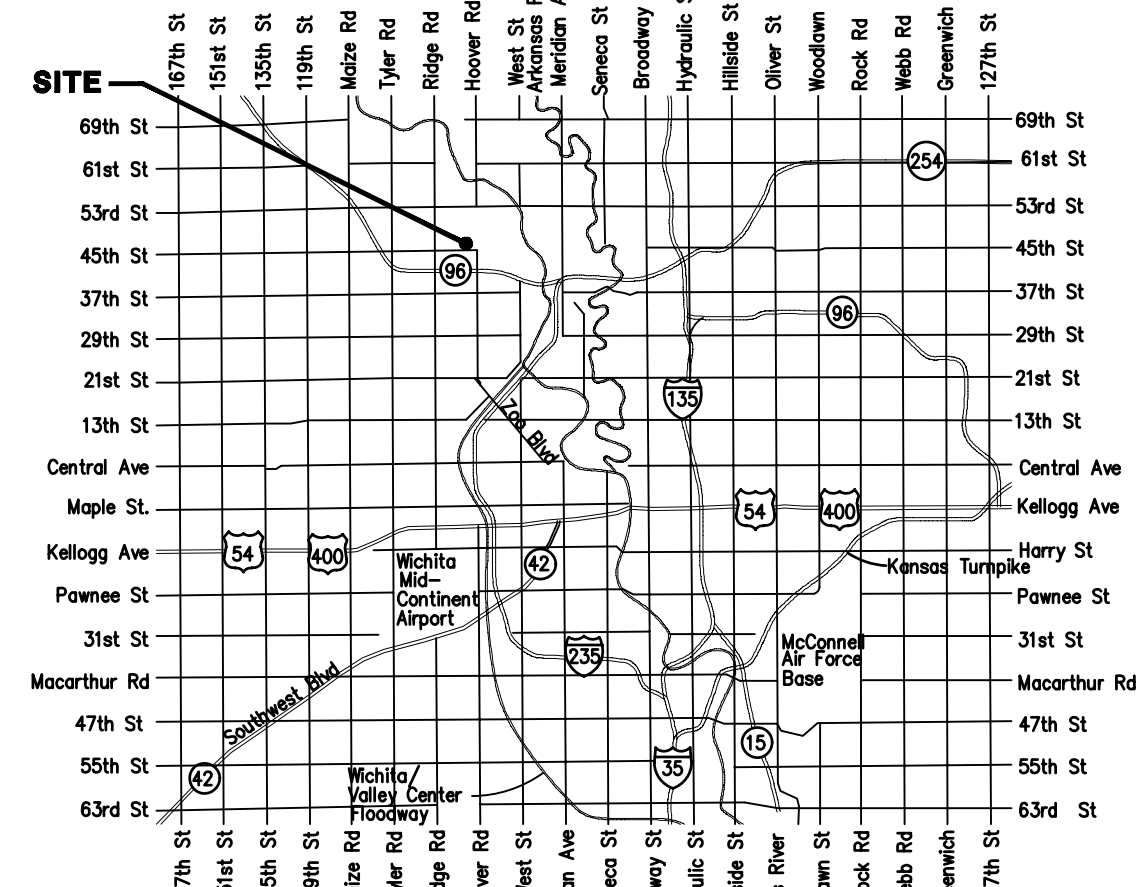
CROSS CUT IN SQUARE CUT IN CONC. DRIVEWAY, 158.0' SOUTH & 30.4' EAST OF THE E1/4 COR., SEC. 22, TWP. 26-S, R-1-W, 9.8' WEST OF WEST FACE OF SOUTH GATE POST, 28.2' SOUTH-SOUTHWEST OF SOUTHWEST FACE OF NORTH GATE POST. ELEV. = 1337.08 NAVD88



SHEET INDEX

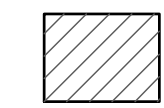
Title Sheet	1
Line 1	2
Line 1A, 1B, & 1C	3
Line 2	4-6
Line 3	7
Line 3A, 3B, & 3C	8
Line 4	9-10
Line 4A & 4B	11
Line 4C & 4D	12
Erosion Control Plan	13
Erosion Control BMP Details	14-18
Standard Manhole Detail	19
Ring & Cover Detail	20
Vertical Riser Detail	21
Cleanout Detail	22
Coordinate Sheet	23
Copy of Plat	24-25

APPROVED AS NOTED
BY WICHITA PUBLIC WORKS ENGINEERING
Engineering *Shan Mellin* 6-1-2021
An approved copy of these plans signed by City staff are required on-site.



VICINITY MAP

BENEFIT DISTRICT



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



June 1, 2021

Project Name: W. Rennie & Rennie 2nd Add.

Project Location: 45th & Hoover

Project No.: 468-2021-608733

OCA No.: 47203821/E1024

Contractor: Mis

Inspector: R. Carrillo

Riser No.	Line No.	Station	Distance from Main to Riser (Lt./Rt.)	Distance from	
				Upstream MH	Downstream MH
17	2	5+84.8	225.9 RT	229'	88'
18	2	12+42.8	12.8 RT	At MH	
19	2	12+54.2	12.9 RT	25'	283
20	2	13+56.2	13 RT	125'	183'
21	2	14+54.2	13.1 RT	225'	83'
22	2	15+51.2	14 RT	At MH	
23	2	16+54.2	12.9 RT	117'	188'
24	2	17+54.2	13 RT	217'	88"
25	2	18+54.3	15 RT	At MH	
26	2	19+54.3	13 RT	112'	83'
27	2	20+51.3	15.9 RT	At MH	
28	2	21+51.7	19 RT	At MH	
29	2	22+54.7	18.9 RT	At MH	
30	2	25+97.8	10 RT	85	cleanout
31	3	0+92.3	11 RT	92'	10'
32	3	1+02.4	26.8 RT	At MH	
33	3	2+07.16	14 RT	At MH	
34	3	3+12.46	12.9 RT	105'	90'
35	3	4+12.46	13.1 RT	70'	200'
36	3	5+12.46	13 RT	110'	100'
37	3	6+12.46	14 RT	At MH	
38	3	7+15	17.9 RT	At MH	
39	3	7+89	9 RT	At MH	
40	3A	0+71	18 RT	71'	
41	3A	0+71	18.9 LT	71'	
42	3B	0+71.2	20.1 RT	71'	
43	3B	0+71.2	17 LT	71'	
44	3C	0+71	18 RT	71'	
45	3C	0+71	18 LT	71'	

Project Name: Rennick & Kennick 2nd Add.

Project Location: 45th & Hoover

Project No.: 468-2021-008733

OCA No.: 47263821/61026

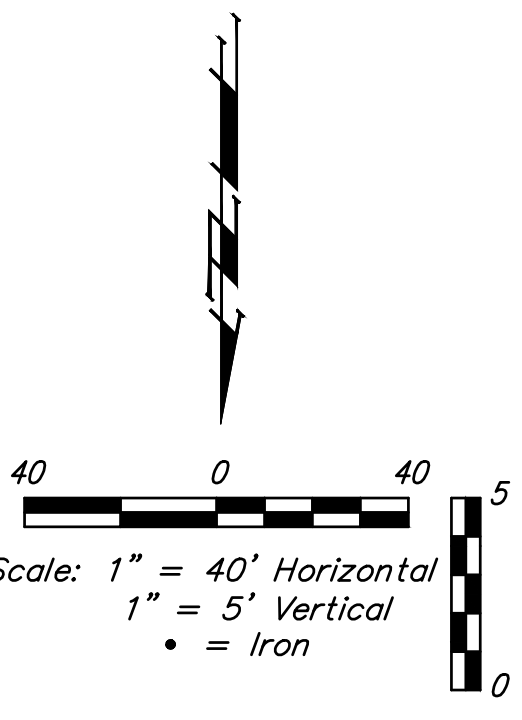
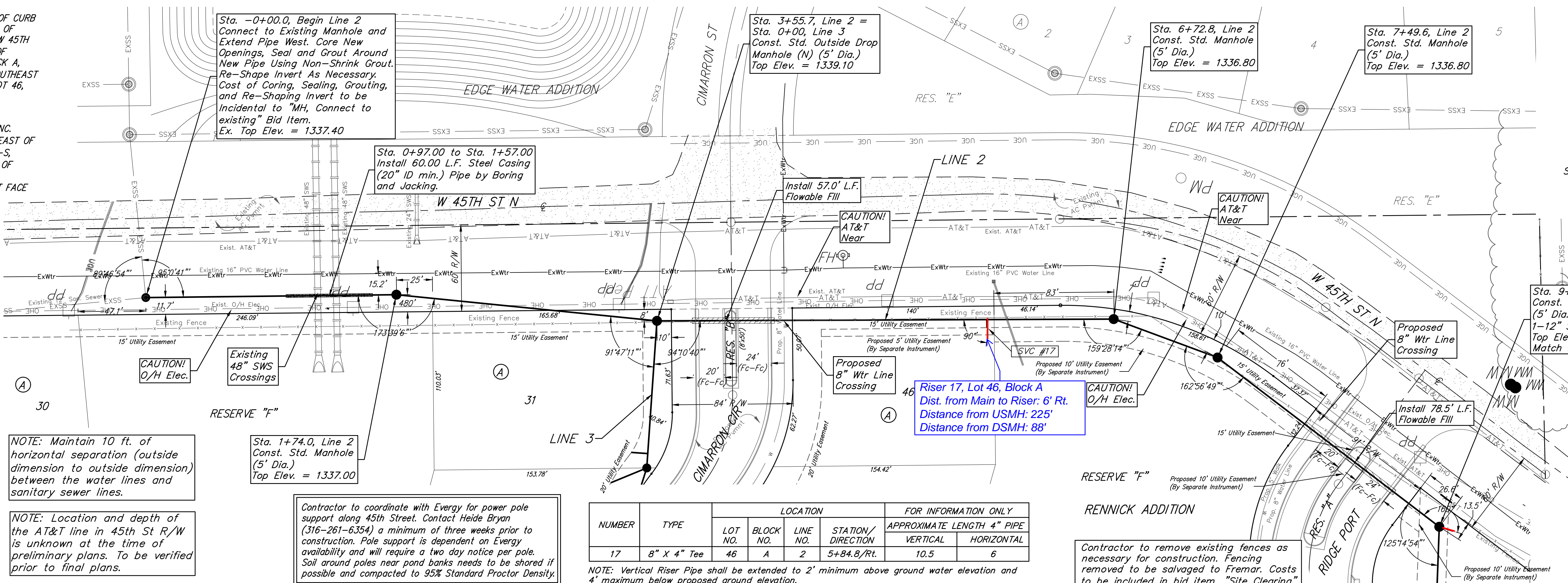
Contractor: MWS

Inspector: R. Camillo

Riser No.	Line No.	Station	Distance from Main to Riser (Lt./Rt.)	Distance from	
				Upstream MH	Downstream MH
46	4	0+15	10 RT	208'	15'
47	4	1+23.1	12 RT	100'	123'
48	4	2+43.1	13 RT	200	20'
49	4	3+43.1	12.9 RT	100'	120'
50	4	4+52.1	13 RT	210'	10'
51	4	5+43.1	13 RT	100'	120'
52	4	6+73.1	12.9 RT	215'	10'
53	4	7+83.1	12.9 RT	105'	120'
54	4	8+88.1	14 RT	AT MH	
55	4	9+77.7	12 RT	AT MH	
56	4	10+41.9	14 RT	AT MH	
57	4	11+36.8	17.9 RT	AT MH	
58	4	12+13.3	5 RT	AT MH	
59	4	13+13.3	4.9 RT	AT MH	
60	4A	0+65.7	13.9 RT	66'	
61	4A	0+65.7	23.9 RT	66'	
62	4B	0+65.7	14 RT	66'	
63	4B	0+65.7	24.9 RT	66'	
64	4C	0+65.7	14	66'	
65	4C	0+65.7	27	66'	
66	4D	0+67	15	67	

BENCHMARKS:
 CROSS CUT IN SQUARE CUT, TOP OF CURB AT NORTH END OF ISLAND, SOUTH OF INTERSECTION OF CIMARRON AND W 45TH ST N, 128.3' SOUTH-SOUTHWEST OF SOUTHWEST CORNER, LOT 31, BLOCK A, RENNICK ADD. & 129.1' SOUTH-SOUTHWEST OF THE SOUTHWEST CORNER OF LOT 46, BLOCK A, RENNICK ADD.
 ELEV. = 1339.19 NAVD88

CROSS CUT IN SQUARE CUT IN CONC. DRIVEWAY, 158.0' SOUTH & 30.4' EAST OF THE E1/4 COR., SEC. 22, TWP. 26-S, R-1-W, 9.8' WEST OF WEST FACE OF SOUTH GATE POST, 28.2' SOUTH-SOUTHWEST OF SOUTHWEST FACE OF NORTH GATE POST.
 ELEV. = 1337.08 NAVD88



NOTE: Maintain 10 ft. of horizontal separation (outside dimension to outside dimension) between the water lines and sanitary sewer lines.

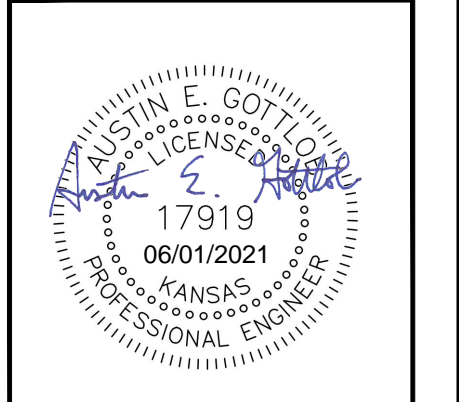
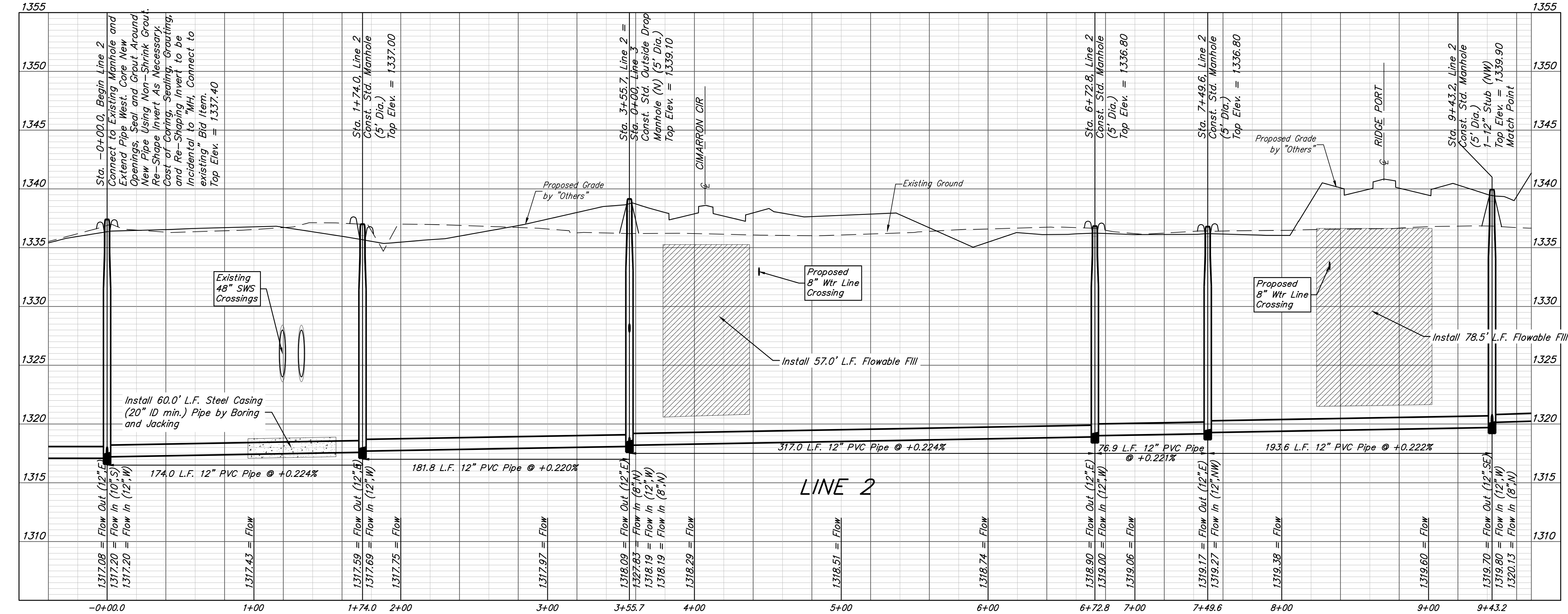
NOTE: Location and depth of the AT&T line in 45th St R/W is unknown at the time of preliminary plans. To be verified prior to final plans.

Contractor to coordinate with Evergy for power pole support along 45th Street. Contact Heidi Bryan (316-261-6354) a minimum of three weeks prior to construction. Pole support is dependent on Evergy availability and will require a two day notice per pole. Soil around poles near pond banks needs to be shored if possible and compacted to 95% Standard Proctor Density.

NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION/DIRECTION	APPROXIMATE LENGTH	4" PIPE
17	8" X 4" Tee	46	A	2	5+84.8/Rt.	10.5	6

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

Contractor to remove existing fences as necessary for construction. Fencing removed to be salvaged to Fremar. Costs to be included in bid item, "Site Clearing".



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

RENNICK & RENNICK
 2ND ADDITION

LINE 2

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER:
 468-2021-008733

DESIGN: AEG DRAWN: HJW

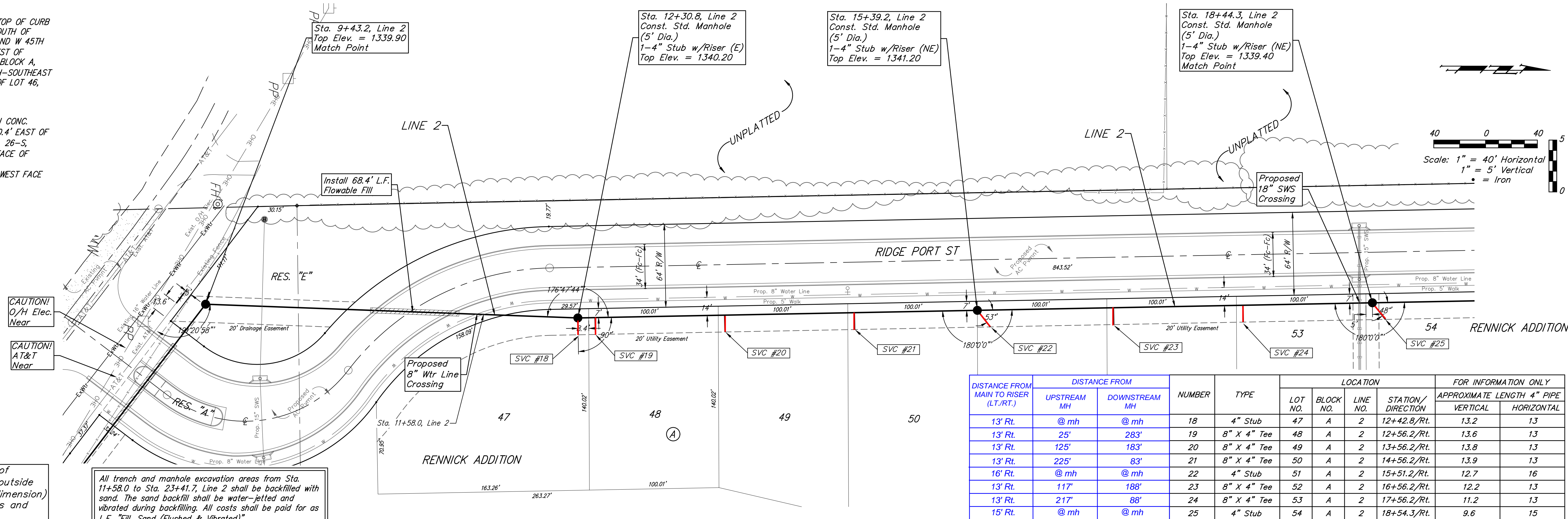
DATE: June 1, 2021

SHEET **4** OF **25**

File: E:\Projects\Rennick Addition_16-10-P2236\Engineering\Phase 1\SS_21-02-E853\SS Plans.dwg

BENCHMARKS:
 CROSS CUT IN SQUARE CUT, TOP OF CURB AT NORTH END OF ISLAND, SOUTH OF INTERSECTION OF CIMARRON AND W 45TH ST N, 128.3' SOUTH-SOUTHWEST OF SOUTHWEST CORNER, LOT 31, BLOCK A, RENNICK ADD. & 129.1' SOUTH-SOUTHWEST OF THE SOUTHWEST CORNER OF LOT 46, BLOCK A, RENNICK ADD.
 ELEV. = 1339.19 NAVD88

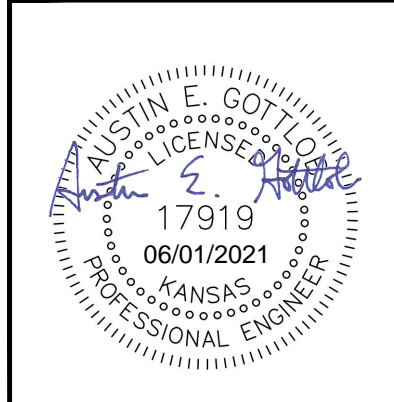
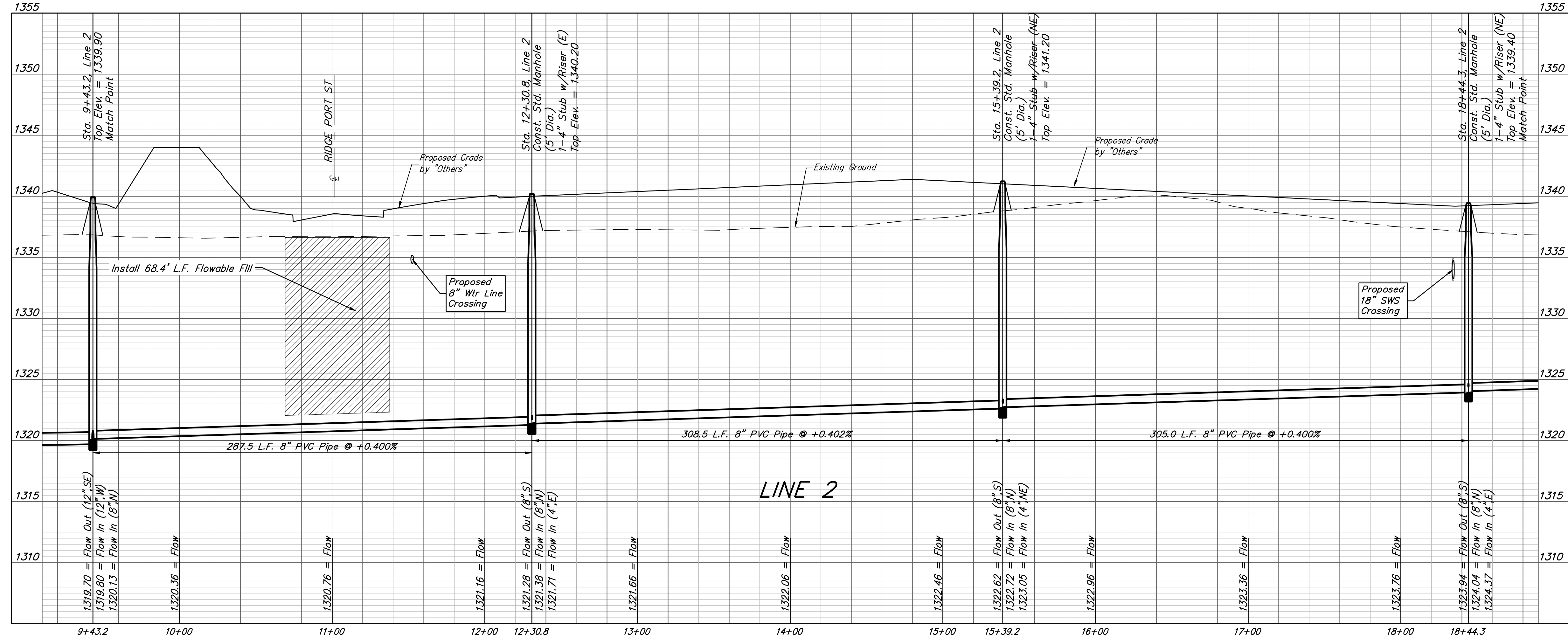
CROSS CUT IN SQUARE CUT IN CONC. DRIVEWAY, 158.0' SOUTH & 30.4' EAST OF THE E1/4 COR., SEC. 22, TWP. 26-S, R-1-W, 9.8' WEST OF WEST FACE OF SOUTH GATE POST, 28.2' SOUTH-SOUTHWEST OF SOUTHWEST FACE OF NORTH GATE POST.
 ELEV. = 1337.08 NAVD88



NOTE: Maintain 10 ft. of horizontal separation (outside dimension to outside dimension) between the water lines and sanitary sewer lines.

All trench and manhole excavation areas from Sta. 11+58.0 to Sta. 23+41.7, Line 2 shall be backfilled with sand. The sand backfill shall be water-jetted and vibrated during backfilling. All costs shall be paid for as L.F. "Fill, Sand (Flushed & Vibrated)".

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
 BaughmanCo.com

RENNICK & RENNICK
 2ND ADDITION

LINE 2

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER:
 468-2021-008733

DESIGN: AEG DRAWN: HWJ

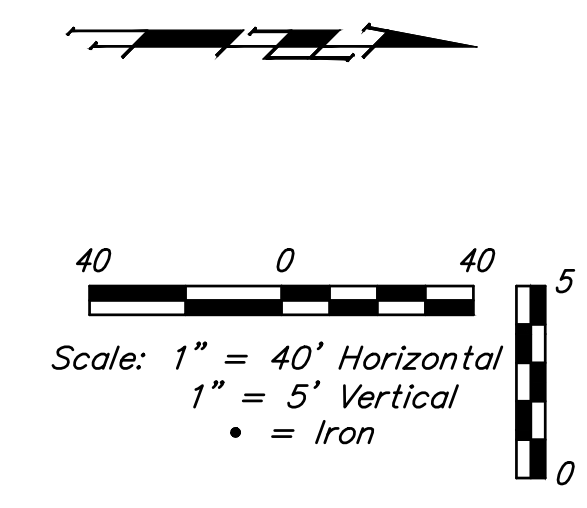
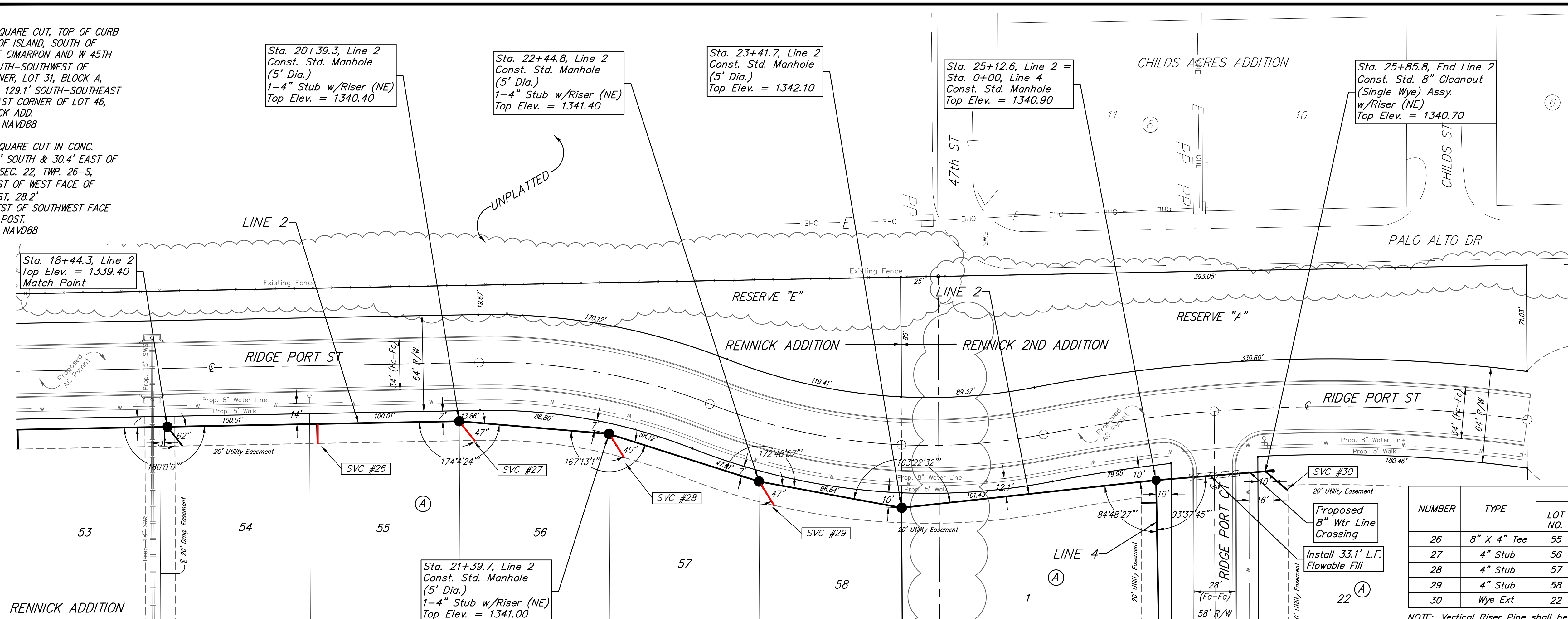
DATE: June 1, 2021

SHEET **5** OF **25**

File: E:\Projects\Rennick Addition_16-10-P236\Engineering\Phase 1\SS_21-02-E853\SS Plans.dwg

BENCHMARKS:
 CROSS CUT IN SQUARE CUT, TOP OF CURB AT NORTH END OF ISLAND, SOUTH OF INTERSECTION OF CIMARRON AND W 45TH ST N, 128.3' SOUTH-SOUTHWEST OF SOUTHWEST CORNER, LOT 31, BLOCK A, RENNICK ADD. & 129.1' SOUTH-SOUTHWEST OF THE SOUTHWEST CORNER OF LOT 46, BLOCK A, RENNICK ADD.
 ELEV. = 1339.19 NAVD88

CROSS CUT IN SQUARE CUT IN CONC. DRIVEWAY, 158.0' SOUTH & 30.4' EAST OF THE E1/4 COR., SEC. 22, TWP. 26-S, R-1-W, 9.8' WEST OF WEST FACE OF SOUTH GATE POST, 28.2' SOUTH-SOUTHWEST OF SOUTHWEST FACE OF NORTH GATE POST.
 ELEV. = 1337.08 NAVD88

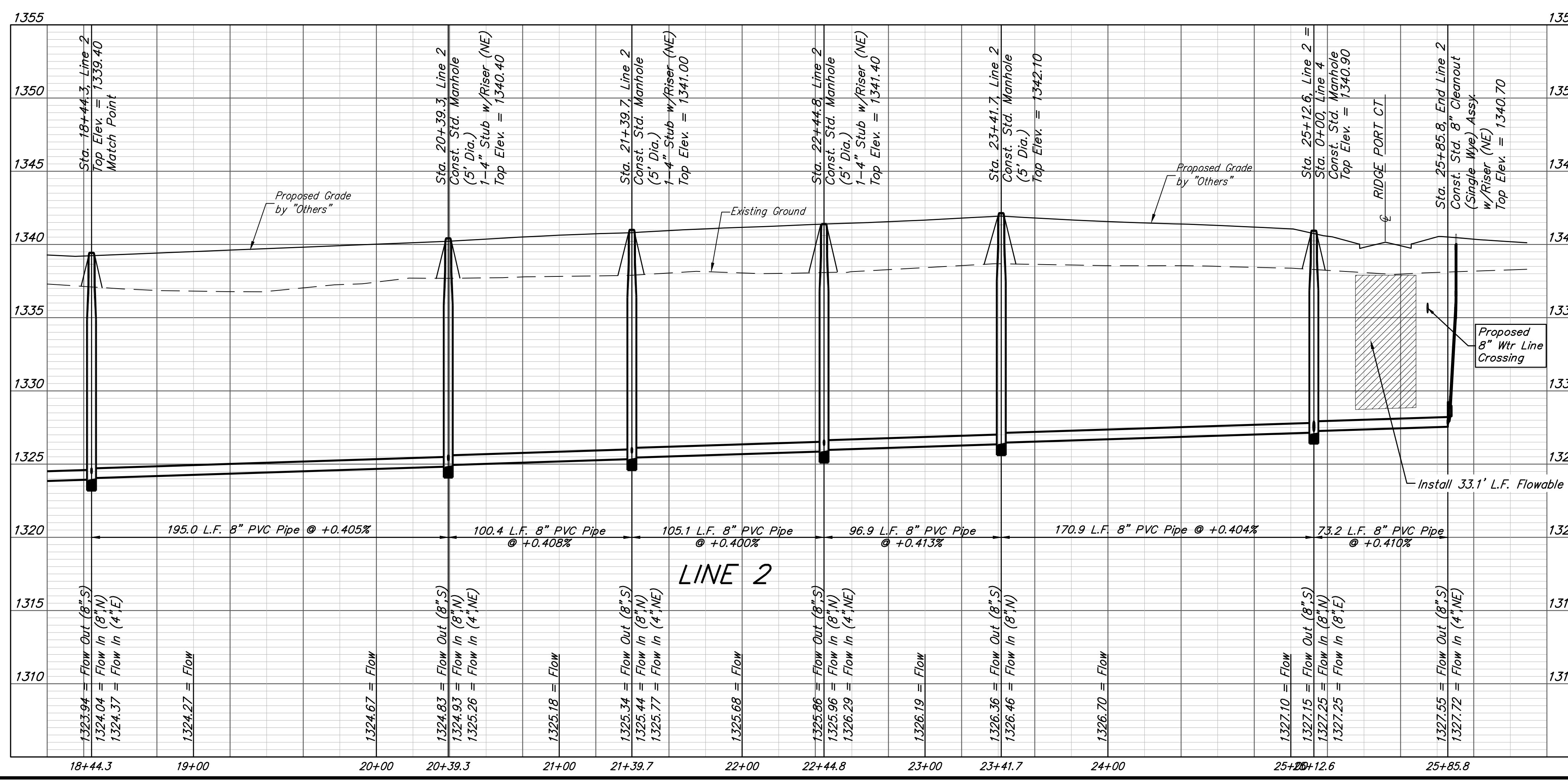


NOTE: Maintain 10 ft. of horizontal separation (outside dimension to outside dimension) between the water lines and sanitary sewer lines.

All trench and manhole excavation areas from Sta. 11+58.0 to Sta. 23+41.7, Line 2 shall be backfilled with sand. The sand backfill shall be water-jetted and vibrated during backfilling. All costs shall be paid for as L.F. "Fill, Sand (Flushed & Vibrated)".

NUMBER	TYPE	LOCATION			FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION/DIRECTION	APPROXIMATE LENGTH 4" PIPE
26	8" X 4" Tee	55	A	2	19+56.3/Rt.	8.6
27	4" Stub	56	A	2	20+51.3/Rt.	11.7
28	4" Stub	57	A	2	21+51.7/Rt.	9.7
29	4" Stub	58	A	2	22+56.7/Rt.	9.9
30	Wye Ext	22	A	2	25+97.8/Rt.	8.1

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



	DISTANCE FROM MAIN TO RISER (LT./RT.)	DISTANCE FROM	
		UPSTREAM MH	DOWNSTREAM MH
26	13' Rt.	112'	83'
27	16' Rt.	@ mh	@ mh
28	19' Rt.	@ mh	@ mh
29	19' Rt.	@ mh	@ mh
30	cleanout		



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

RENNICK & RENNICK
 2ND ADDITION

LINE 2

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER:
 468-2021-008733

DESIGN: AEG DRAWN: HWJ

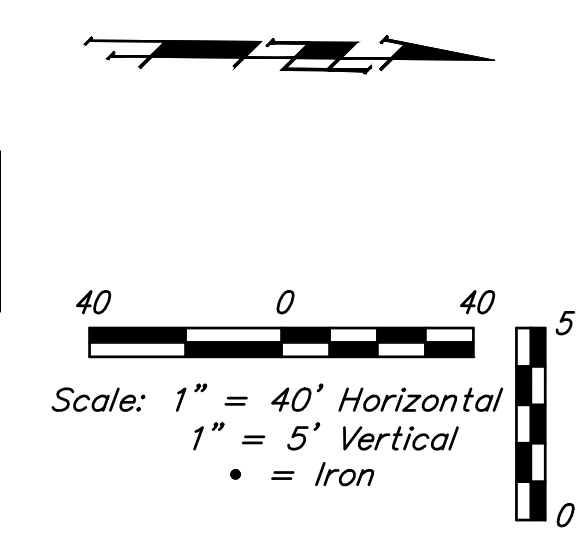
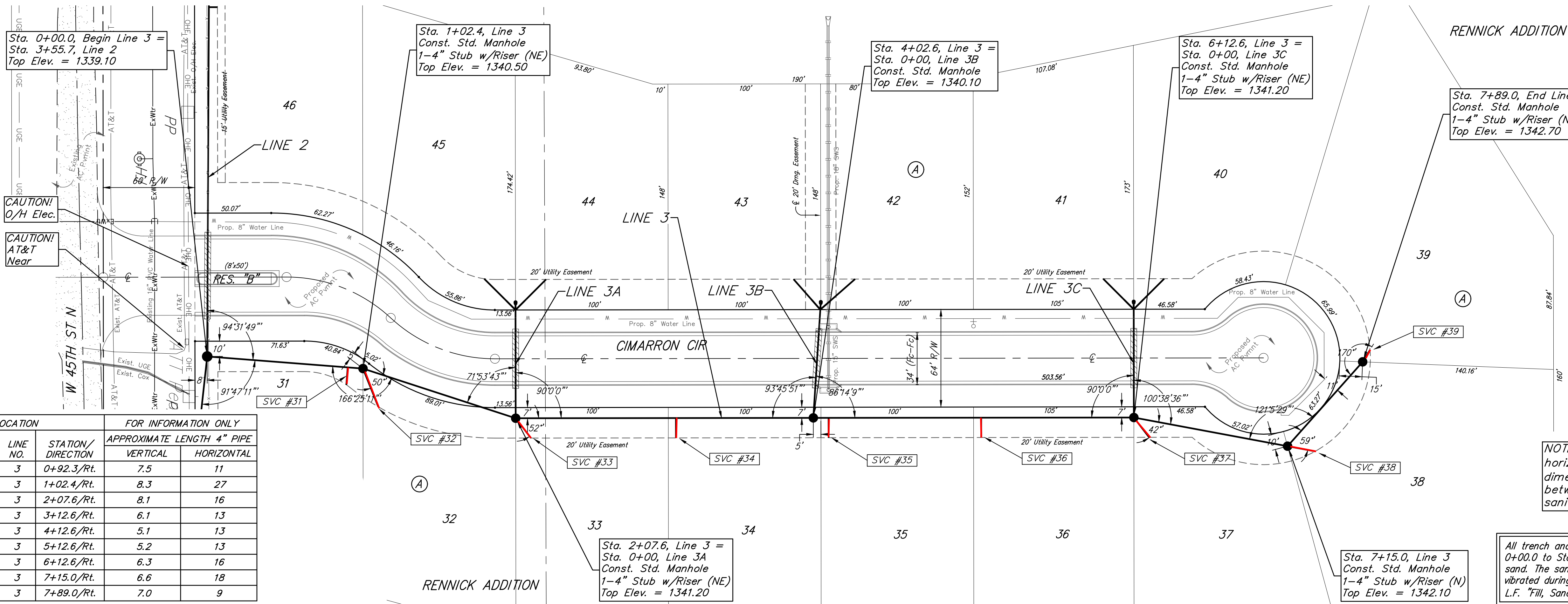
DATE: June 1, 2021

SHEET 6 OF 25

File: E:\Projects\Remnick Addition_16-10-P236\Engineering\Phase 1\SS_21-02-E853\SS Plans.dwg

BENCHMARKS:
 CROSS CUT IN SQUARE CUT, TOP OF CURB AT NORTH END OF ISLAND, SOUTH OF INTERSECTION OF CIMARRON AND W 45TH ST N, 128.3' SOUTH-SOUTHWEST OF SOUTHWEST CORNER, LOT 31, BLOCK A, RENNICK ADD. & 129.1' SOUTH-SOUTHWEST OF THE SOUTHWEST CORNER OF LOT 46, BLOCK A, RENNICK ADD.
 ELEV. = 1339.19 NAVD88

CROSS CUT IN SQUARE CUT IN CONC. DRIVEWAY, 158.0' SOUTH & 30.4' EAST OF THE E1/4 COR., SEC. 22, TWP. 26-S, R-1-W, 9.8' WEST OF WEST FACE OF SOUTH GATE POST, 28.2' SOUTH-SOUTHWEST OF SOUTHWEST FACE OF NORTH GATE POST.
 ELEV. = 1337.08 NAVD88



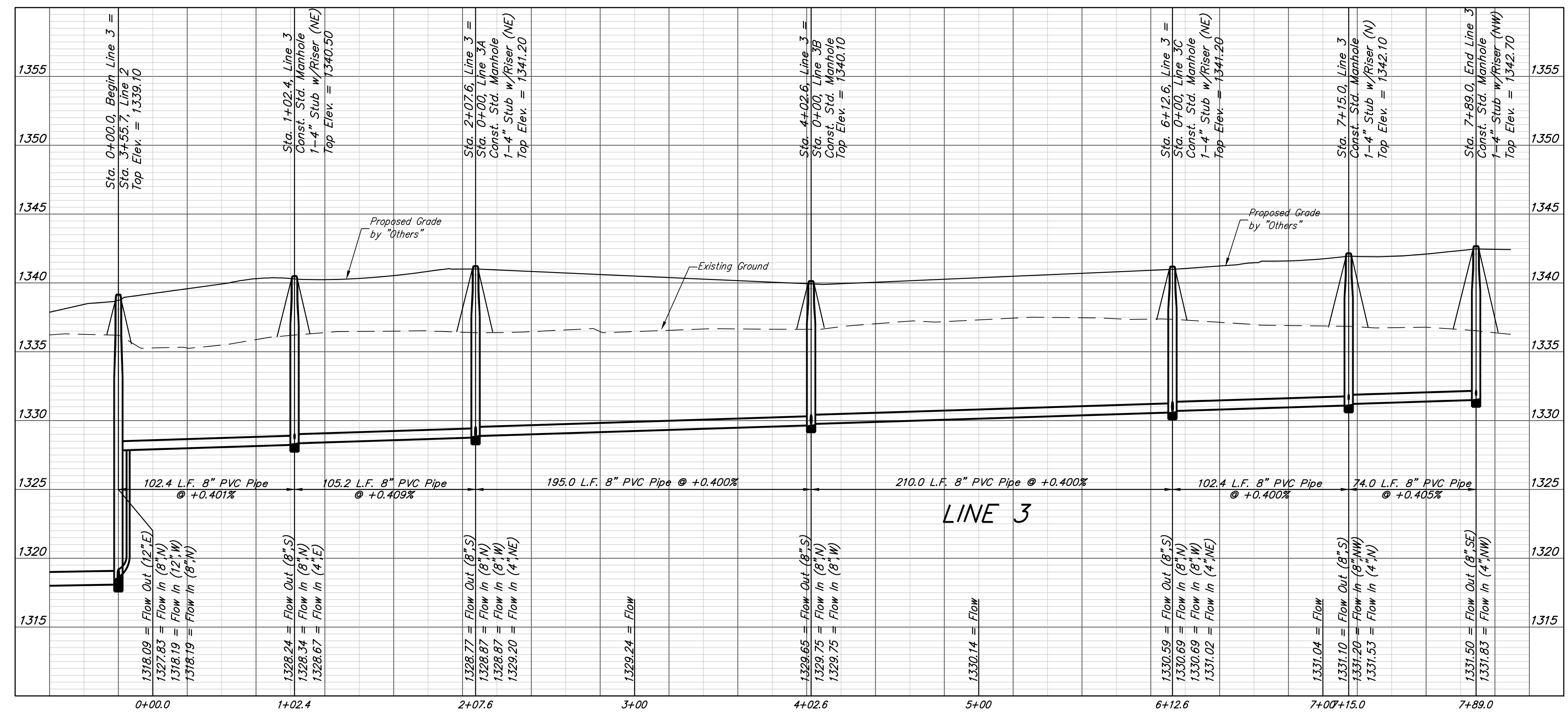
NUMBER	TYPE	LOCATION			FOR INFORMATION ONLY		
		LOT NO.	BLOCK NO.	LINE NO.	STATION/DIRECTION	APPROXIMATE LENGTH 4" PIPE	VERTICAL
31	8" X 4" Tee	31	A	3	0+92.3/Rt.	7.5	11
32	4" Stub	32	A	3	1+02.4/Rt.	8.3	27
33	4" Stub	33	A	3	2+07.6/Rt.	8.1	16
34	8" X 4" Tee	34	A	3	3+12.6/Rt.	6.1	13
35	8" X 4" Tee	35	A	3	4+12.6/Rt.	5.1	13
36	8" X 4" Tee	36	A	3	5+12.6/Rt.	5.2	13
37	4" Stub	37	A	3	6+12.6/Rt.	6.3	16
38	4" Stub	38	A	3	7+15.0/Rt.	6.6	18
39	4" Stub	39	A	3	7+89.0/Rt.	7.0	9

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

NOTE: Maintain 10 ft. of horizontal separation (outside dimension to outside dimension) between the water lines and sanitary sewer lines.

All trench and manhole excavation areas from Sta. 0+00.0 to Sta. 7+89.0, Line 3 shall be backfilled with sand. The sand backfill shall be water-jetted and vibrated during backfilling. All costs shall be paid for as L.F. "Fill, Sand (Flushed & Vibrated)".

	DISTANCE FROM MAIN TO RISER (LT./RT.)	
	UPSTREAM MH	DOWNSTREAM MH
31	11' Rt.	10'
32	27' Rt.	@ mh
33	16' Rt.	@ mh
34	13' Rt.	90'
35	13' Rt.	200'
36	13' Rt.	100'
37	16' Rt.	@ mh
38	18' Rt.	@ mh
39	9' Rt.	@ mh



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

RENNICK & RENNICK
 2ND ADDITION

LINE 3

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER:
 468-2021-008733

DESIGN: AEG DRAWN: HWJ

DATE: June 1, 2021

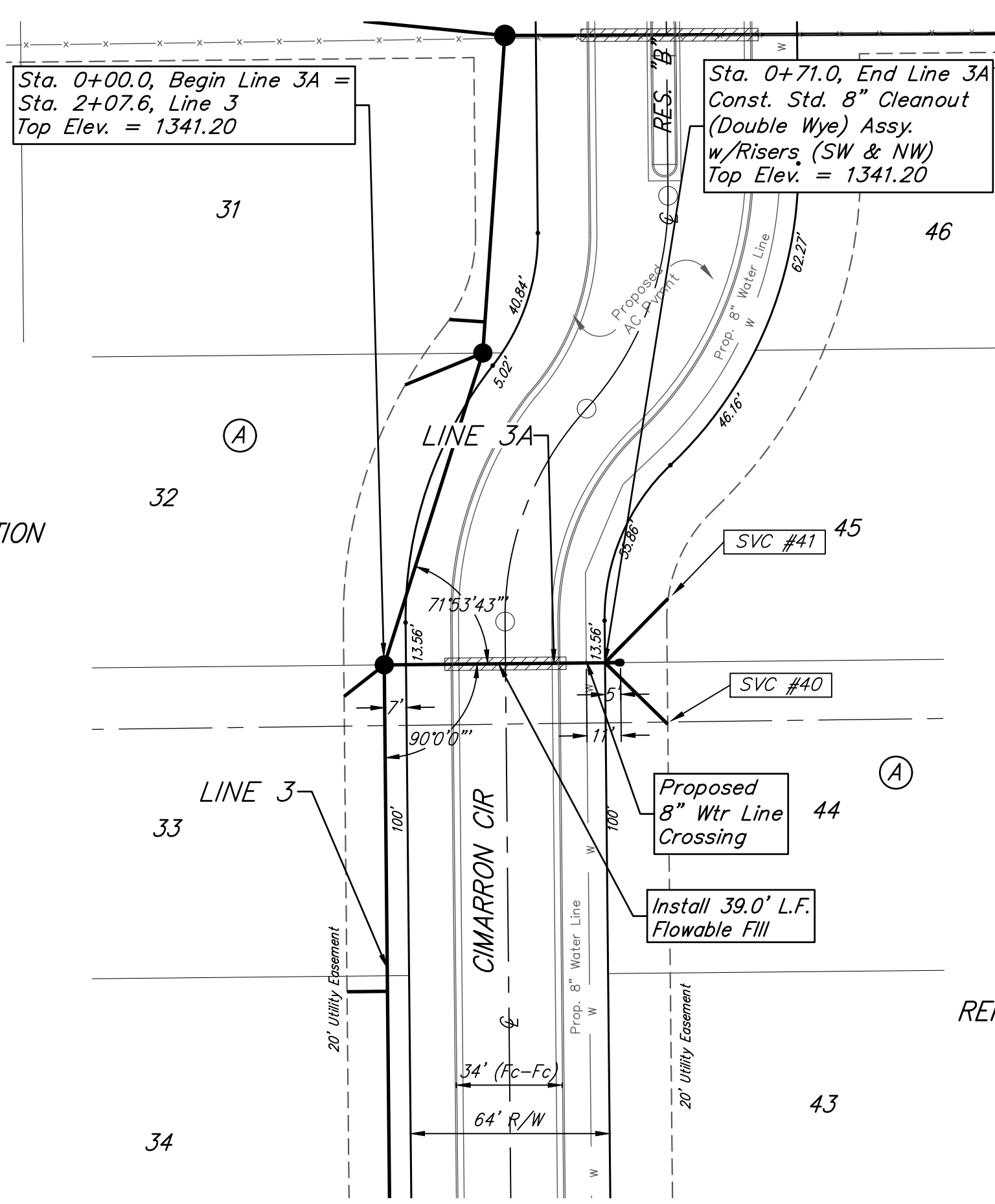
SHEET **7** OF **25**

File: E:\Projects\Rennick Addition_16-10-P236\Engineering\Phase 1\SS_21-02-E853\SS Plans.dwg

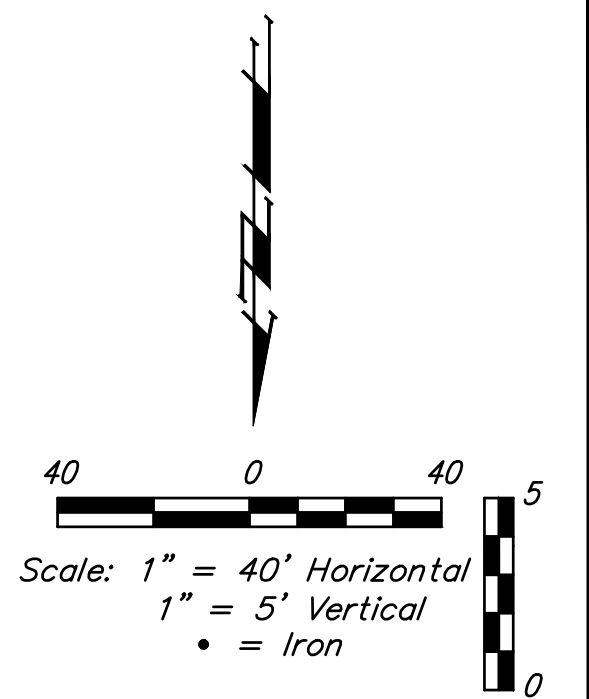
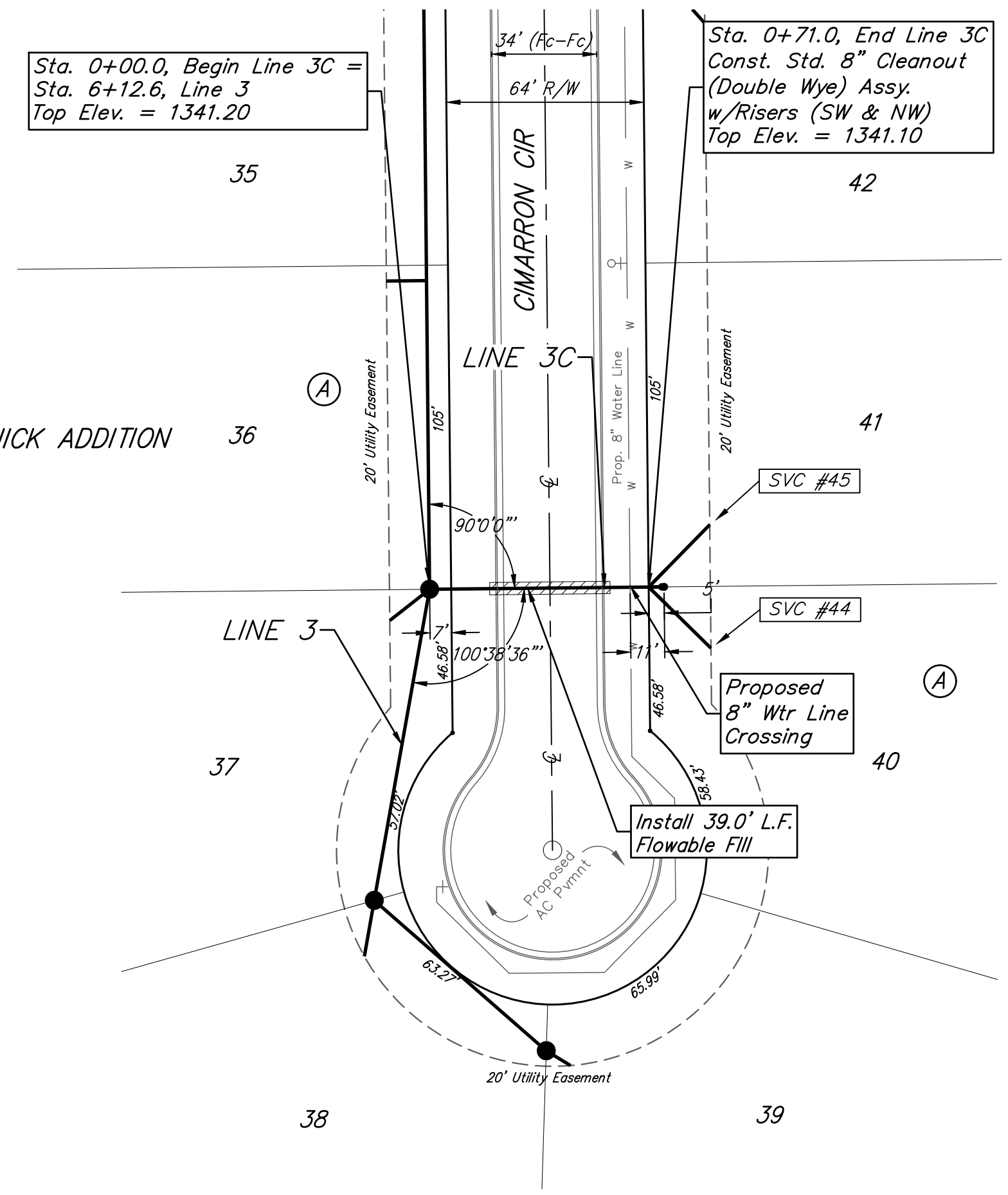
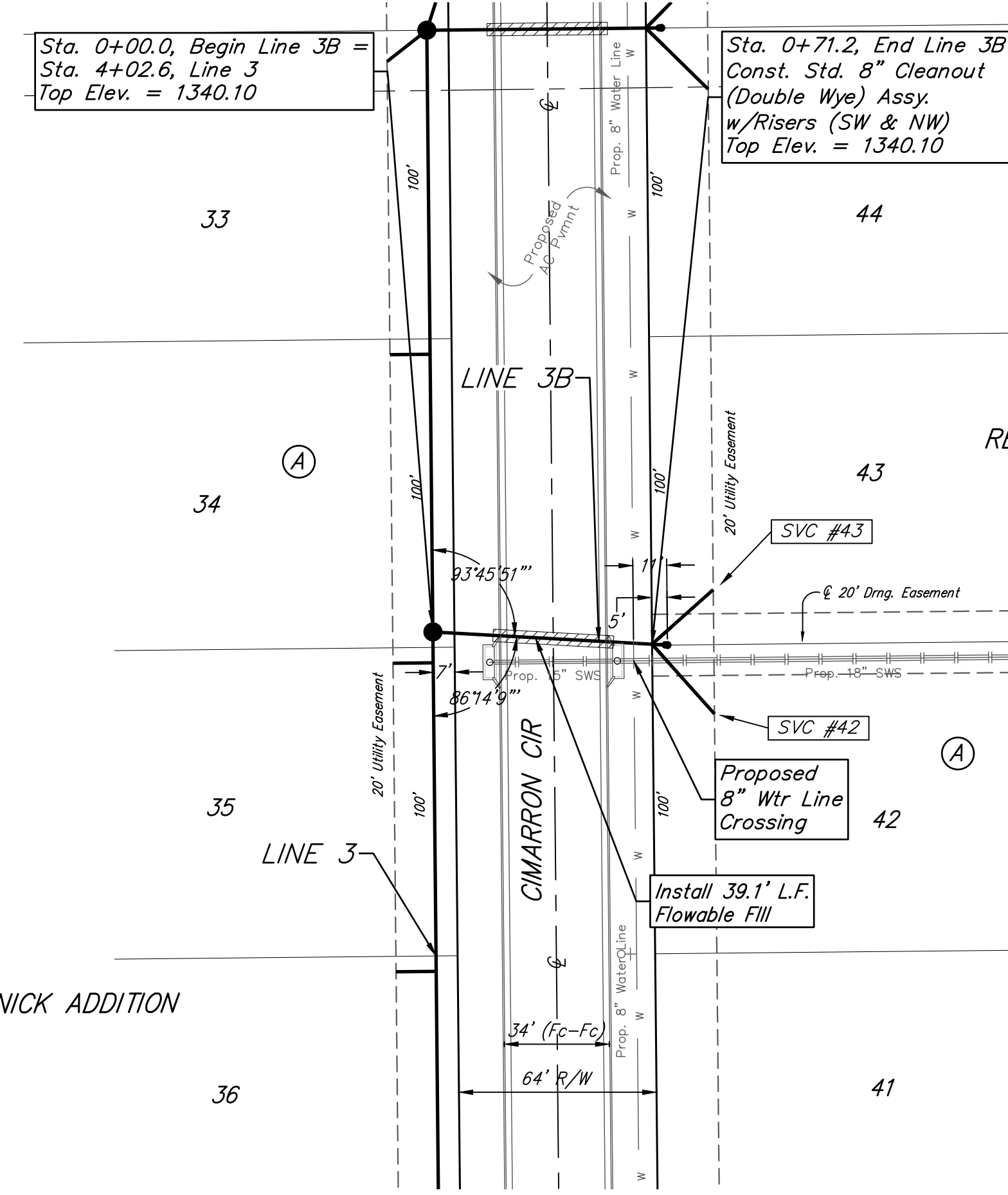
BENCHMARKS:
 CROSS CUT IN SQUARE CUT, TOP OF CURB AT NORTH END OF ISLAND, SOUTH OF INTERSECTION OF CIMARRON AND W 45TH ST N, 128.3' SOUTH-SOUTHWEST OF SOUTHWEST CORNER, LOT 31, BLOCK A, RENNICK ADD. & 129.1' SOUTH-SOUTHEAST OF THE SOUTHEAST CORNER OF LOT 46, BLOCK A, RENNICK ADD.
 ELEV. = 1339.19 NAVD88

CROSS CUT IN SQUARE CUT IN CONC. DRIVEWAY, 158.0' SOUTH & 30.4' EAST OF THE E1/4 COR., SEC. 22, TWP. 26-S, R-1-W, 9.8' WEST OF WEST FACE OF SOUTH GATE POST, 28.2' SOUTH-SOUTHWEST OF SOUTHWEST FACE OF NORTH GATE POST.
 ELEV. = 1337.08 NAVD88

RENNICK ADDITION

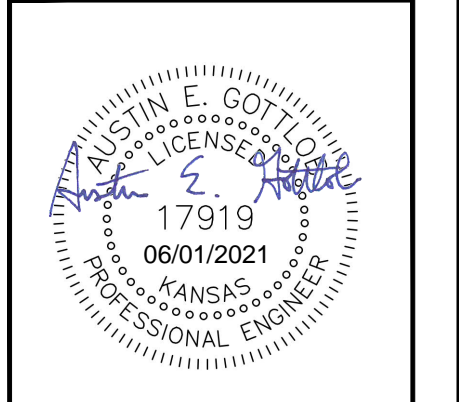
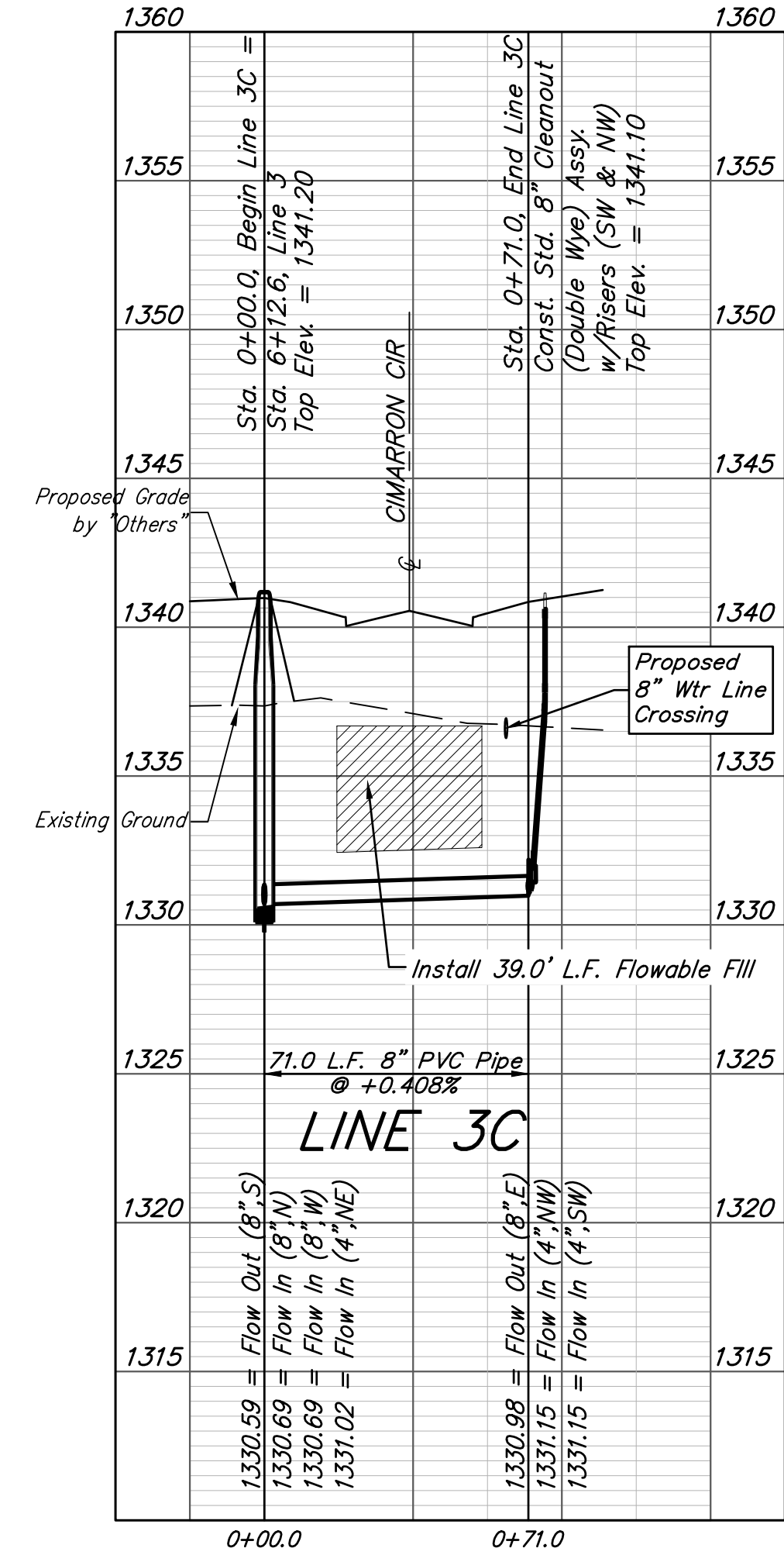
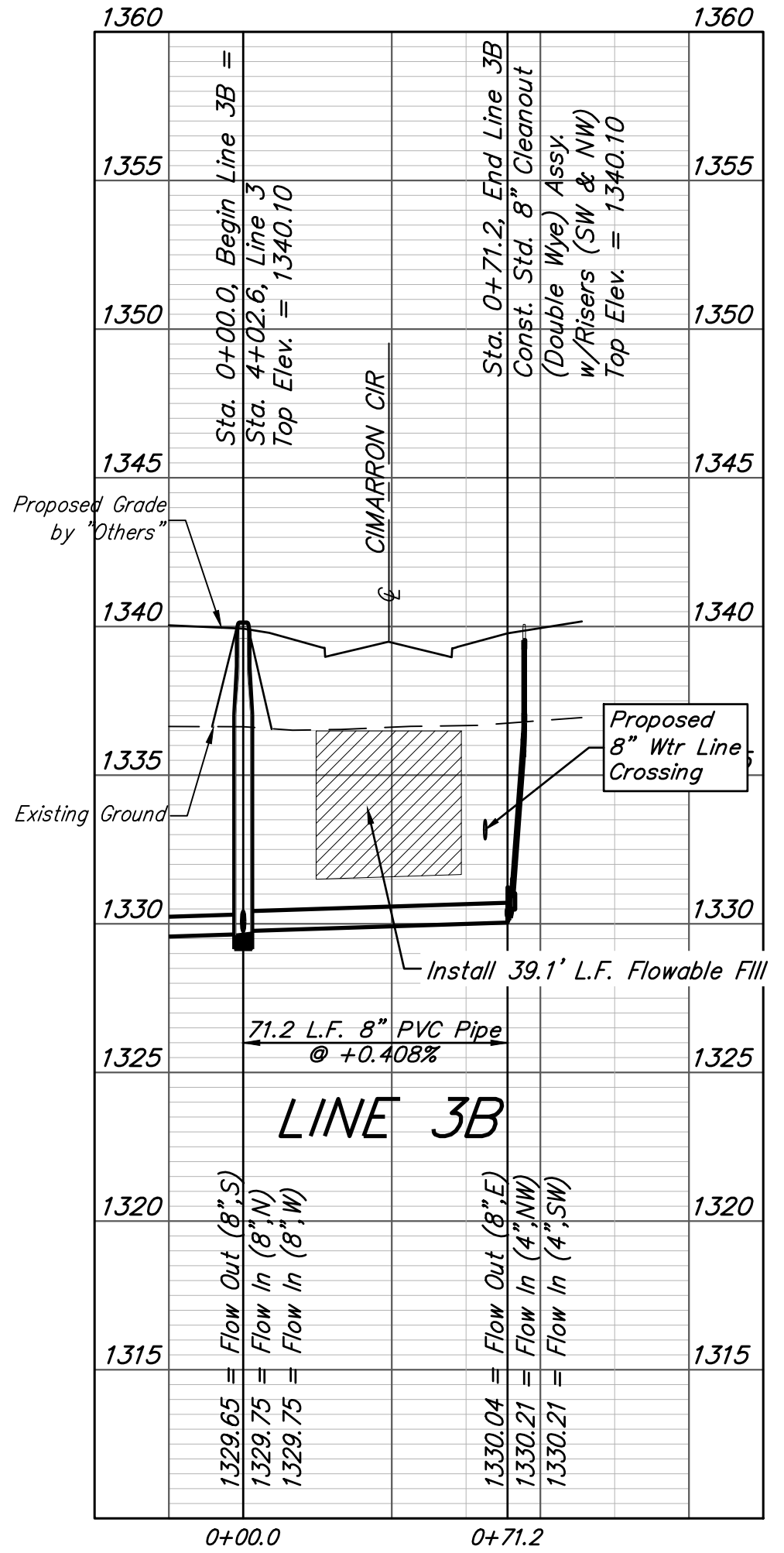
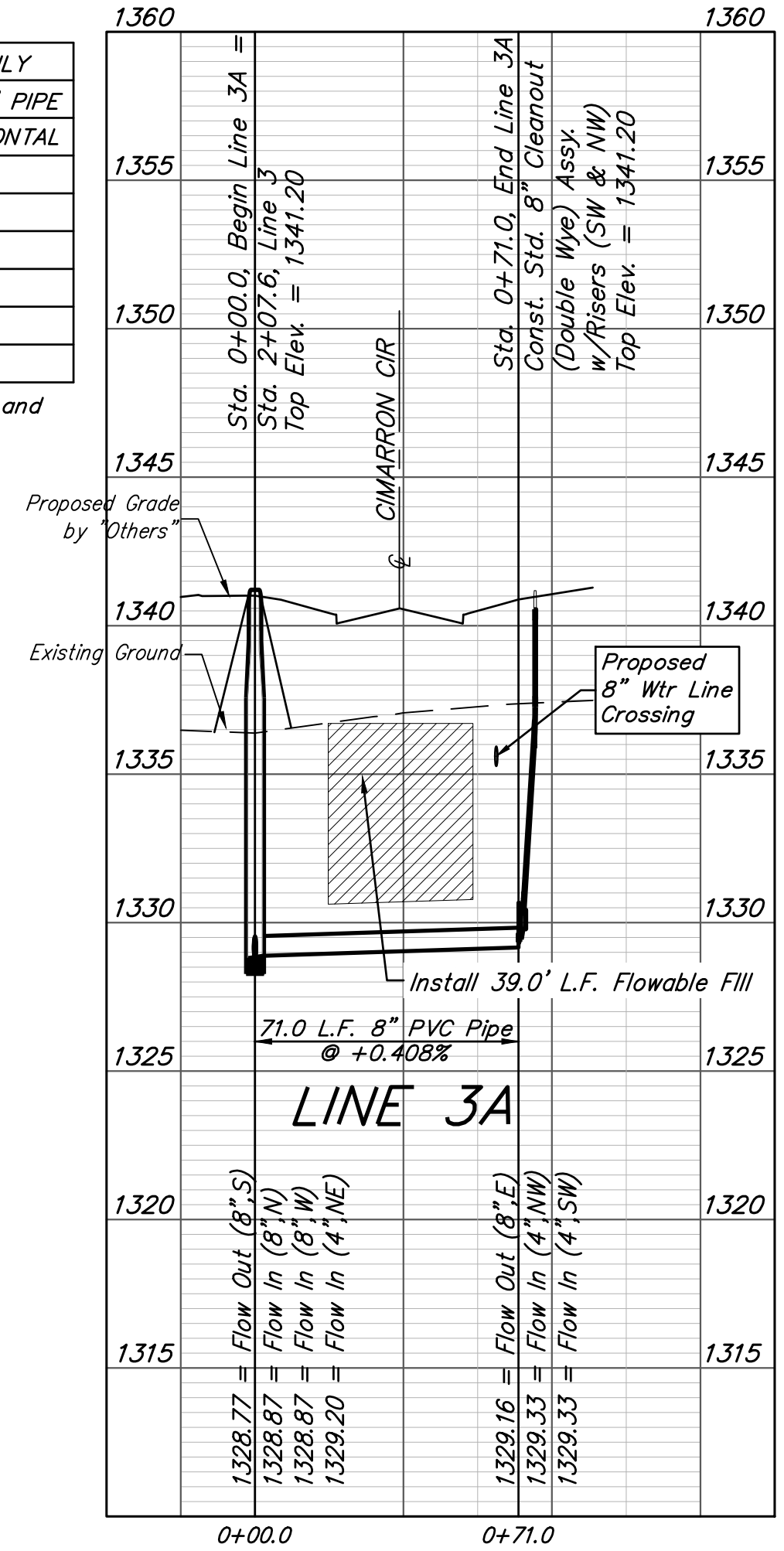


NOTE: Maintain 10 ft. of horizontal separation (outside dimension to outside dimension) between the water lines and sanitary sewer lines.



NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION/DIRECTION	APPROXIMATE LENGTH 4" PIPE	VERTICAL
40	Wye Ext	44	A	3A	0+71.0/Rt.	7.6	18
41	Wye Ext	45	A	3A	0+71.0/Lt.	7.6	19
42	Wye Ext	42	A	3B	0+71.2/Rt.	5.9	20
43	Wye Ext	43	A	3B	0+71.2/Lt.	6.0	17
44	Wye Ext	40	A	3C	0+71.0/Rt.	6.0	18
45	Wye Ext	41	A	3C	0+71.0/Lt.	5.7	18

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
 BaughmanCo.com

RENNICK & RENNICK
 2ND ADDITION

**LINE 3A,
 3B, & 3C**

SANITARY SEWER
 IMPROVEMENTS

PROJECT NUMBER:
 468-2021-008733

DESIGN: AEG DRAWN: HWJ

DATE: June 1, 2021

SHEET 8 OF 25

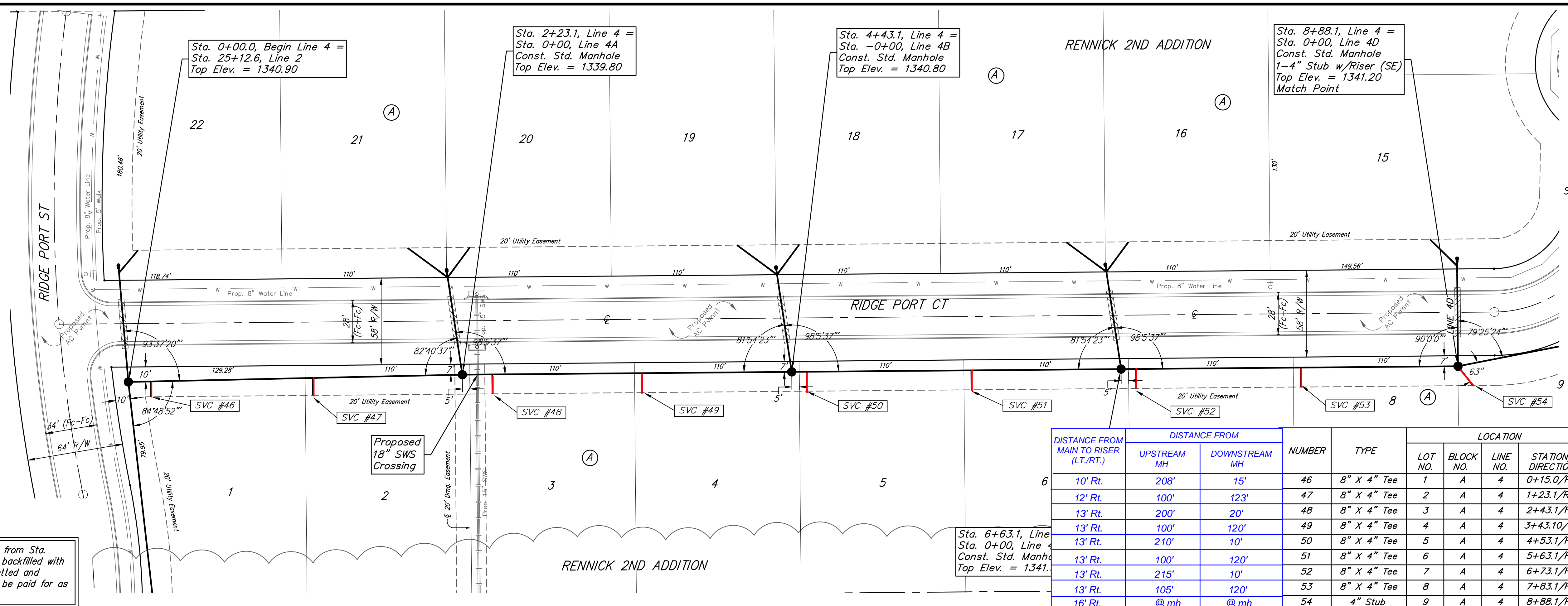
File: E:\Projects\Rennick Addition_16-10-P236\Engineering\Phase 1\SS_21-02-E853\SS Plans.dwg

BENCHMARKS:
 CROSS CUT IN SQUARE CUT, TOP OF CURB AT NORTH END OF ISLAND, SOUTH OF INTERSECTION OF CIMARRON AND W 45TH ST N, 128.3' SOUTH-SOUTHWEST OF SOUTHWEST CORNER, LOT 31, BLOCK A, RENNICK ADD. & 129.1' SOUTH-SOUTHWEST OF THE SOUTHEAST CORNER OF LOT 46, BLOCK A, RENNICK ADD.
 ELEV. = 1339.19 NAVD88

CROSS CUT IN SQUARE CUT IN CONC. DRIVEWAY, 158.0' SOUTH & 30.4' EAST OF THE E1/4 COR., SEC. 22, TWP. 26-S, R-1-W, 9.8' WEST OF WEST FACE OF SOUTH GATE POST, 28.2' SOUTH-SOUTHWEST OF SOUTHWEST FACE OF NORTH GATE POST.
 ELEV. = 1337.08 NAVD88

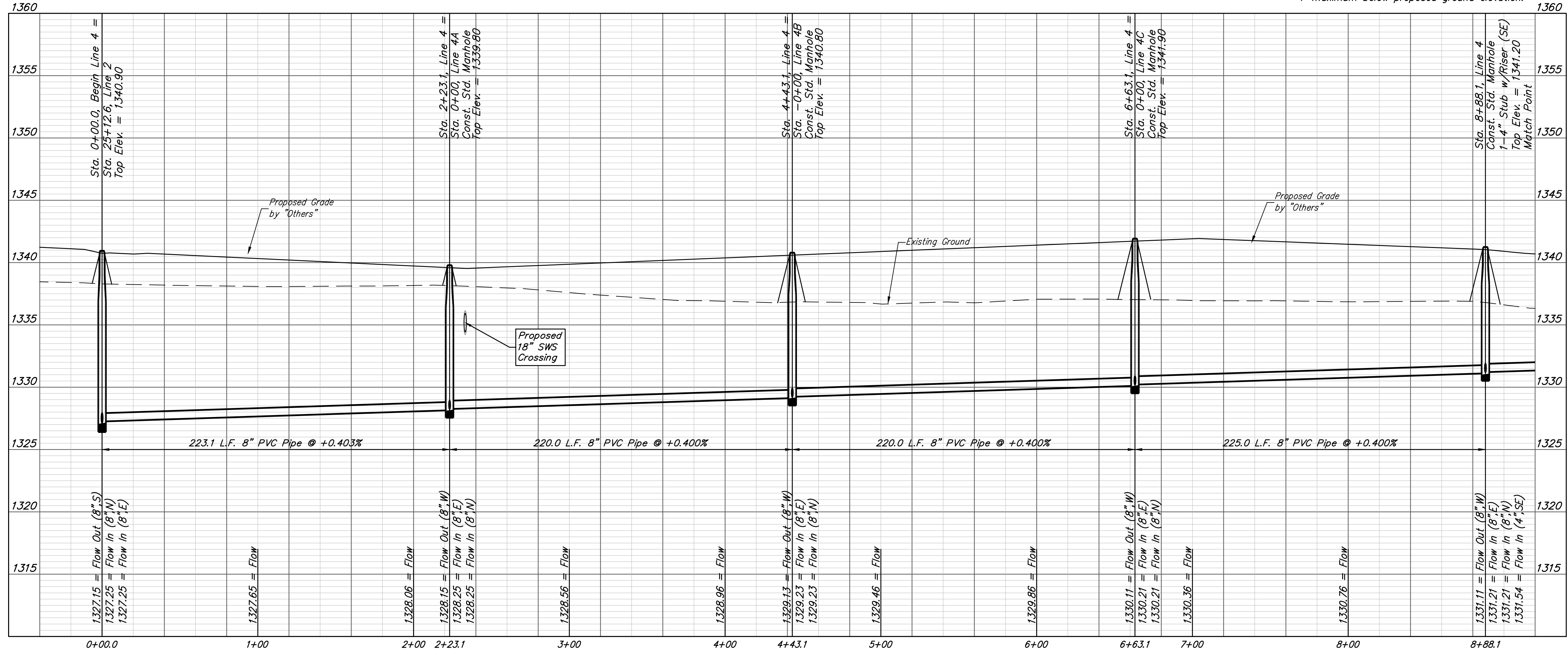
NOTE: Maintain 10 ft. of horizontal separation (outside dimension to outside dimension) between the water lines and sanitary sewer lines.

All trench and manhole excavation areas from Sta. 0+00.0 to Sta. 13+13.3, Line 4 shall be backfilled with sand. The sand backfill shall be water-jetted and vibrated during backfilling. All costs shall be paid for as L.F. "Fill, Sand (Flushed & Vibrated)".



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	HORIZONTAL
10' Rt.	208'	15'	46	8" X 4" Tee	1	A	4	0+15.0/Rt.	8.6	10
12' Rt.	100'	123'	47	8" X 4" Tee	2	A	4	1+23.1/Rt.	7.8	12
13' Rt.	200'	20'	48	8" X 4" Tee	3	A	4	2+43.1/Rt.	6.5	13
13' Rt.	100'	120'	49	8" X 4" Tee	4	A	4	3+43.10/Rt.	6.6	13
13' Rt.	210'	10'	50	8" X 4" Tee	5	A	4	4+53.1/Rt.	6.6	13
13' Rt.	100'	120'	51	8" X 4" Tee	6	A	4	5+63.1/Rt.	6.7	13
13' Rt.	215'	10'	52	8" X 4" Tee	7	A	4	6+73.1/Rt.	6.1	13
13' Rt.	105'	120'	53	8" X 4" Tee	8	A	4	7+83.1/Rt.	4.5	13
16' Rt.	@ mh	@ mh	54	4" Stub	9	A	4	8+88.1/Rt.	4.4	16

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
 BaughmanCo.com

RENNICK & RENNICK
 2ND ADDITION

LINE 4

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER:
 468-2021-008733

DESIGN: AEG DRAWN: HJW

DATE: June 1, 2021

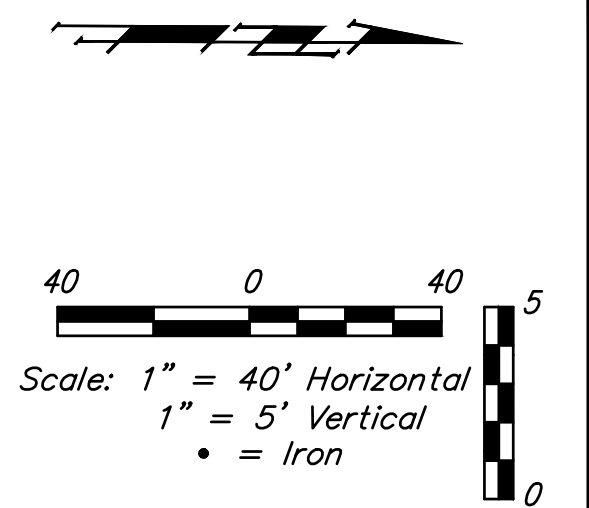
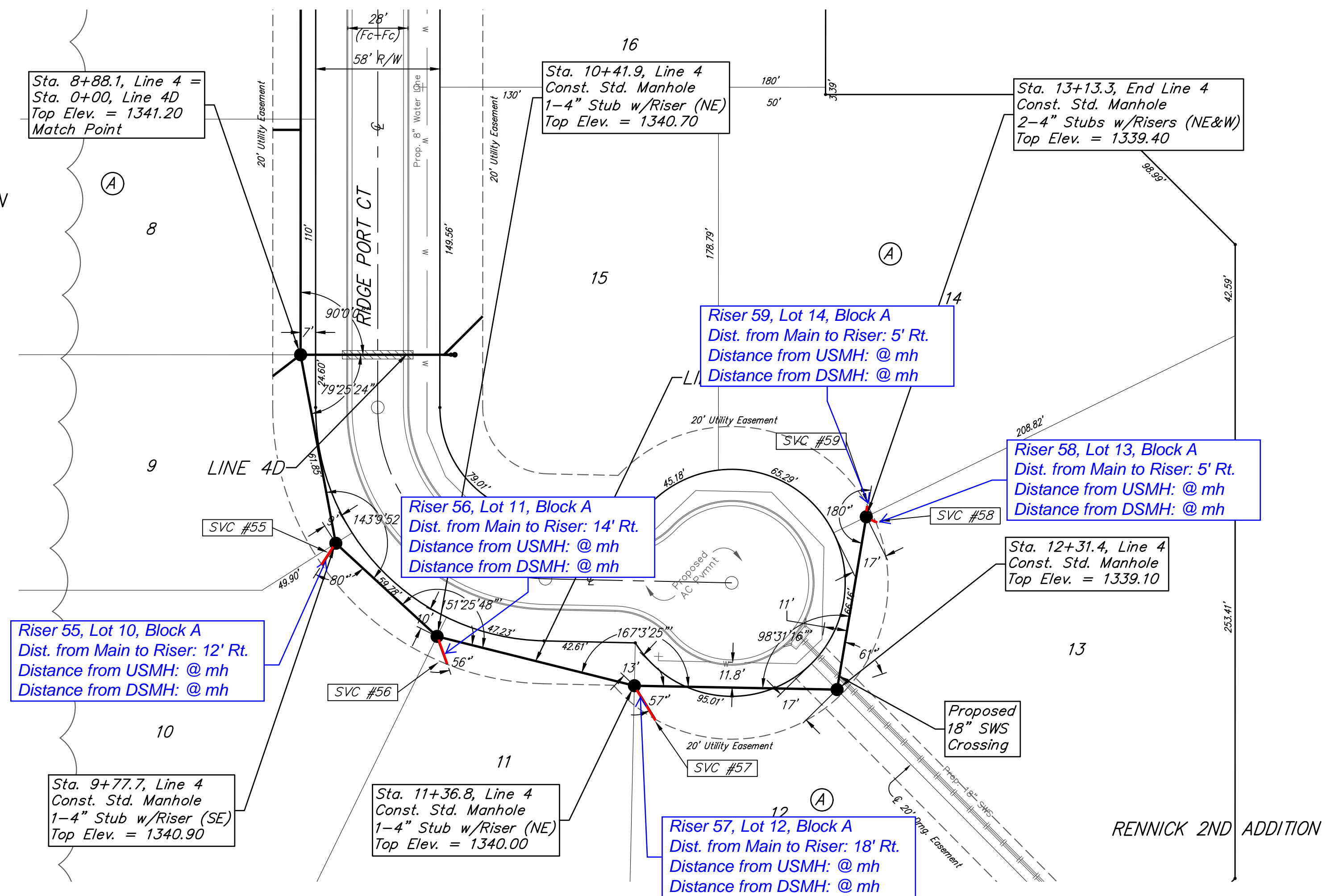
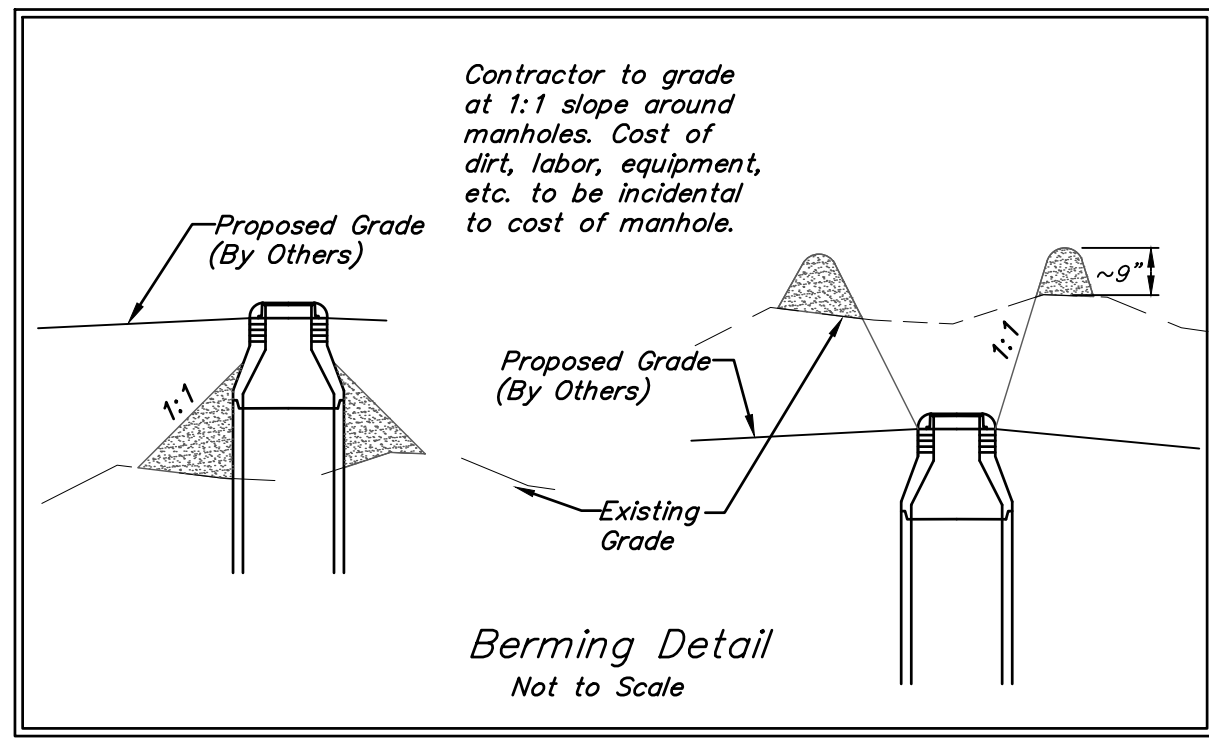
SHEET 9 OF 25

File: E:\Projects\Rennick Addition_16-10-P236\Engineering\Phase 1\SS_21-02-E853\SS Plans.dwg

BENCHMARKS:
 CROSS CUT IN SQUARE CUT, TOP OF CURB AT NORTH END OF ISLAND, SOUTH OF INTERSECTION OF CIMARRON AND W 45TH ST N, 128.3' SOUTH-SOUTHWEST OF SOUTHWEST CORNER, LOT 31, BLOCK A, RENNICK ADD. & 129.1' SOUTH-SOUTHWEST OF THE SOUTHWEST CORNER OF LOT 46, BLOCK A, RENNICK ADD.
 ELEV. = 1339.19 NAVD88

CROSS CUT IN SQUARE CUT IN CONC. DRIVEWAY, 158.0' SOUTH & 30.4' EAST OF THE E1/4 COR., SEC. 22, TWP. 26-S, R-1-W, 9.8' WEST OF WEST FACE OF SOUTH GATE POST, 28.2' SOUTH-SOUTHWEST OF SOUTHWEST FACE OF NORTH GATE POST.
 ELEV. = 1337.08 NAVD88

RENNICK 2ND ADDITION

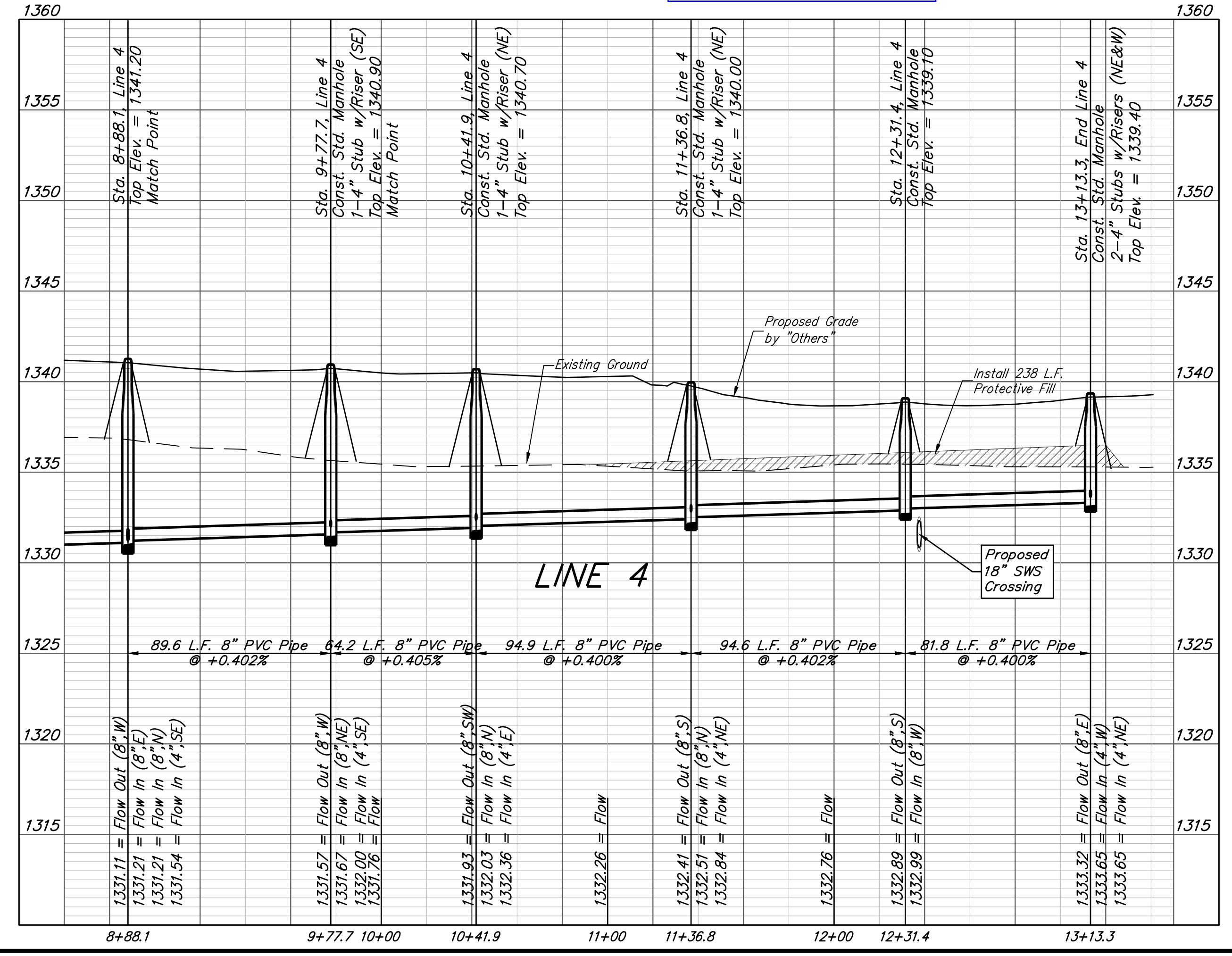


NOTE: Maintain 10 ft. of horizontal separation (outside dimension to outside dimension) between the water lines and sanitary sewer lines.

All trench and manhole excavation areas from Sta. 0+00.0 to Sta. 13+13.1, Line 4 shall be backfilled with sand. The sand backfill shall be water-jetted and vibrated during backfilling. All costs shall be paid for as L.F. "Fill, Sand (Flushed & Vibrated)".

NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION/DIRECTION	APPROXIMATE LENGTH 4" PIPE	VERTICAL
55	4" Stub	10	A	4	9+77.7/Rt.	3.8	12
56	4" Stub	11	A	4	10+41.9/Rt.	3.1	14
57	4" Stub	12	A	4	11+36.8/Rt.	1.4	18
58	4" Stub	13	A	4	13+13.3/Rt.	1.0	5
59	4" Stub	14	A	4	13+13.3/Rt.	1.0	5

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
 BaughmanCo.com

RENNICK & RENNICK
 2ND ADDITION

LINE 4

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER:
 468-2021-008733

DESIGN: AEG DRAWN: HWJ

DATE: June 1, 2021

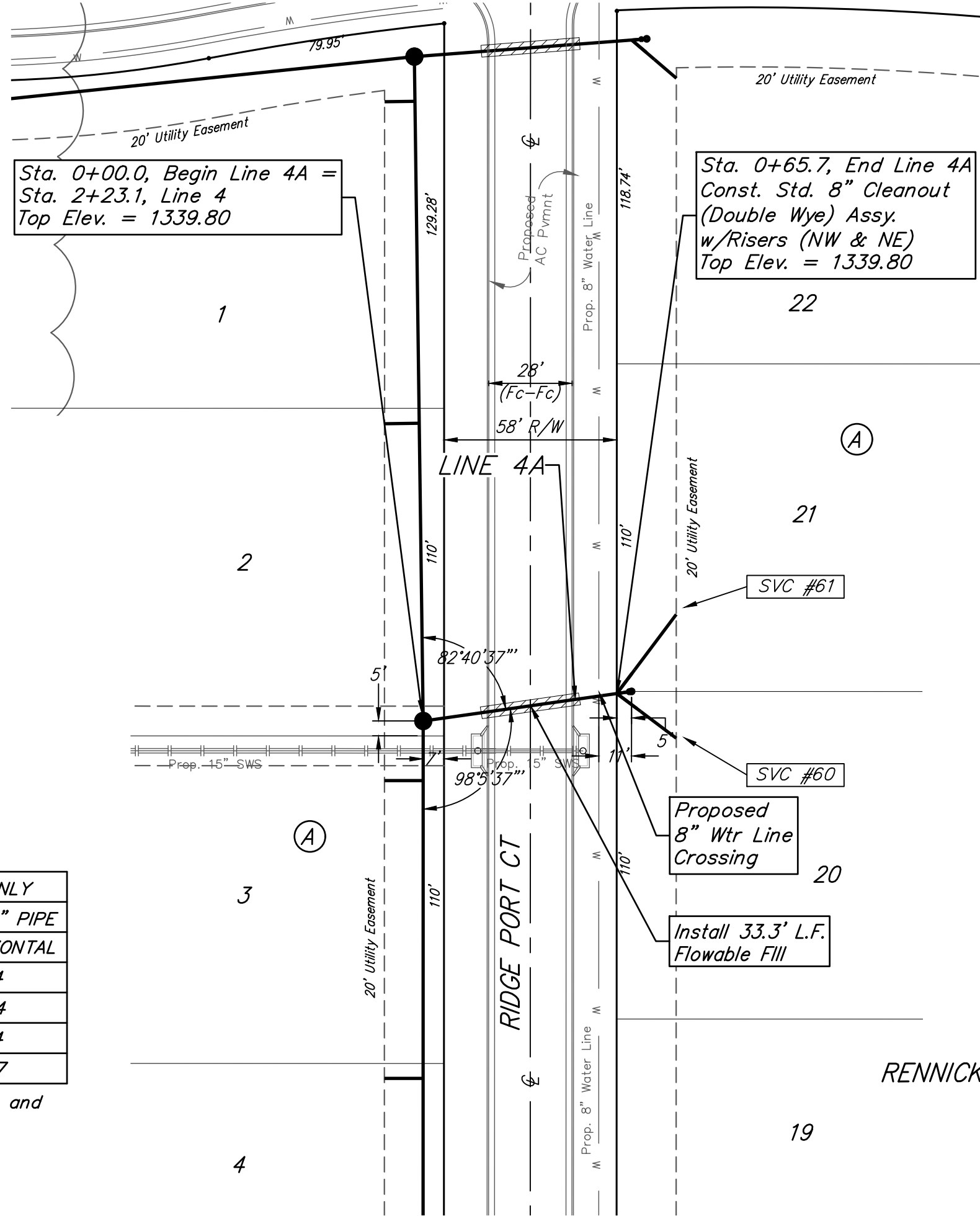
SHEET OF
10 25

File: E:\Projects\Rennick Addition_16-10-P236\Engineering\Phase 1\SS_21-02-E853\SS Plans.dwg

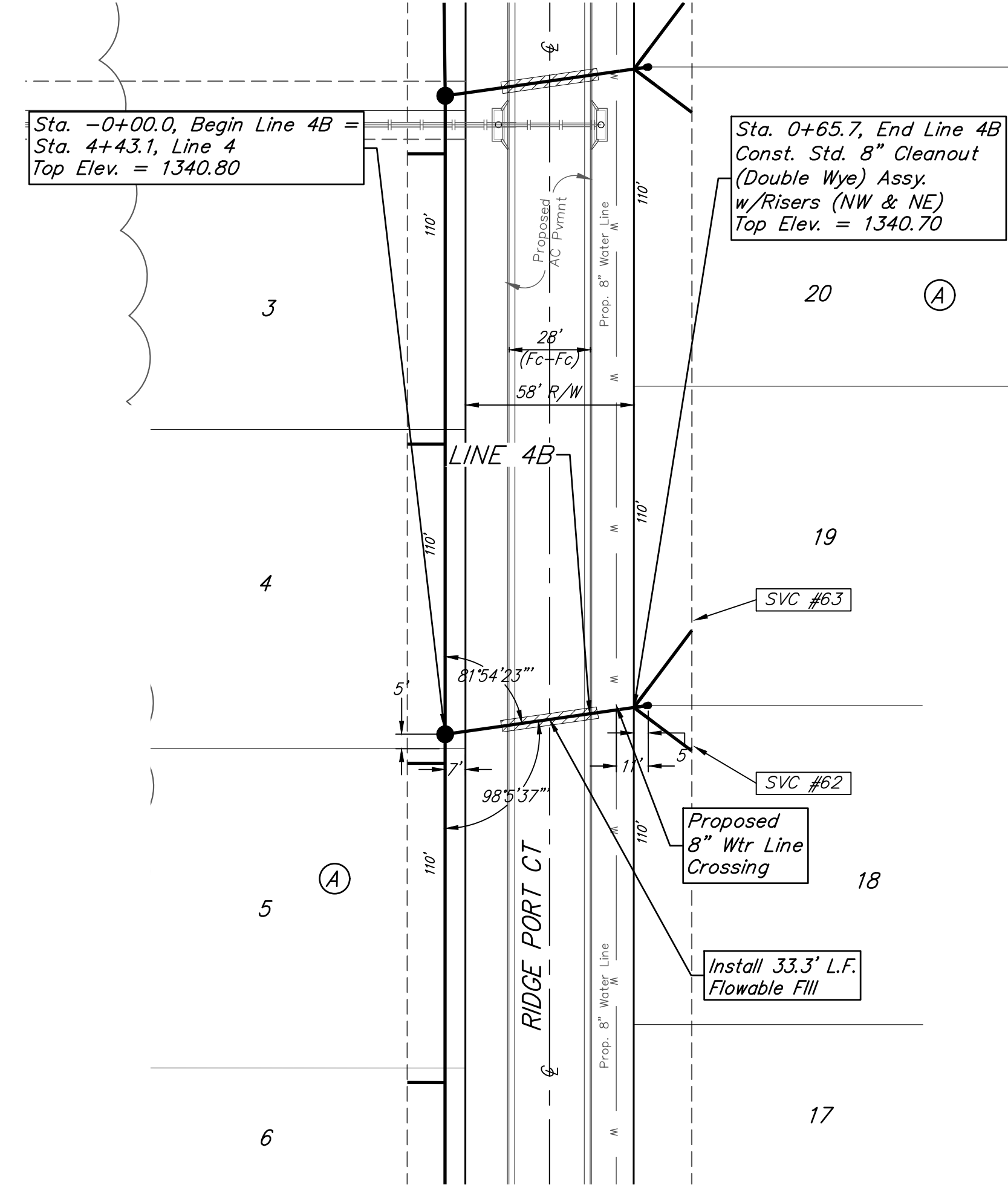
BENCHMARKS:
 CROSS CUT IN SQUARE CUT, TOP OF CURB AT NORTH END OF ISLAND, SOUTH OF INTERSECTION OF CIMARRON AND W 45TH ST N, 128.3' SOUTH-SOUTHWEST OF SOUTHWEST CORNER, LOT 31, BLOCK A, RENNICK ADD. & 129.1' SOUTH-SOUTHWEST OF THE SOUTHEAST CORNER OF LOT 46, BLOCK A, RENNICK ADD.
 ELEV. = 1339.19 NAVD88

CROSS CUT IN SQUARE CUT IN CONC. DRIVEWAY, 158.0' SOUTH & 30.4' EAST OF THE E1/4 COR., SEC. 22, TWP. 26-S, R-1-W, 9.8' WEST OF WEST FACE OF SOUTH GATE POST, 28.2' SOUTH-SOUTHWEST OF SOUTHWEST FACE OF NORTH GATE POST.
 ELEV. = 1337.08 NAVD88

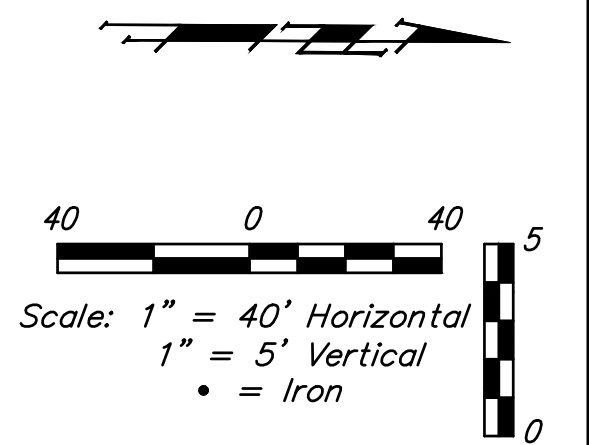
RENNICK 2ND ADDITION



RENNICK 2ND ADDITION



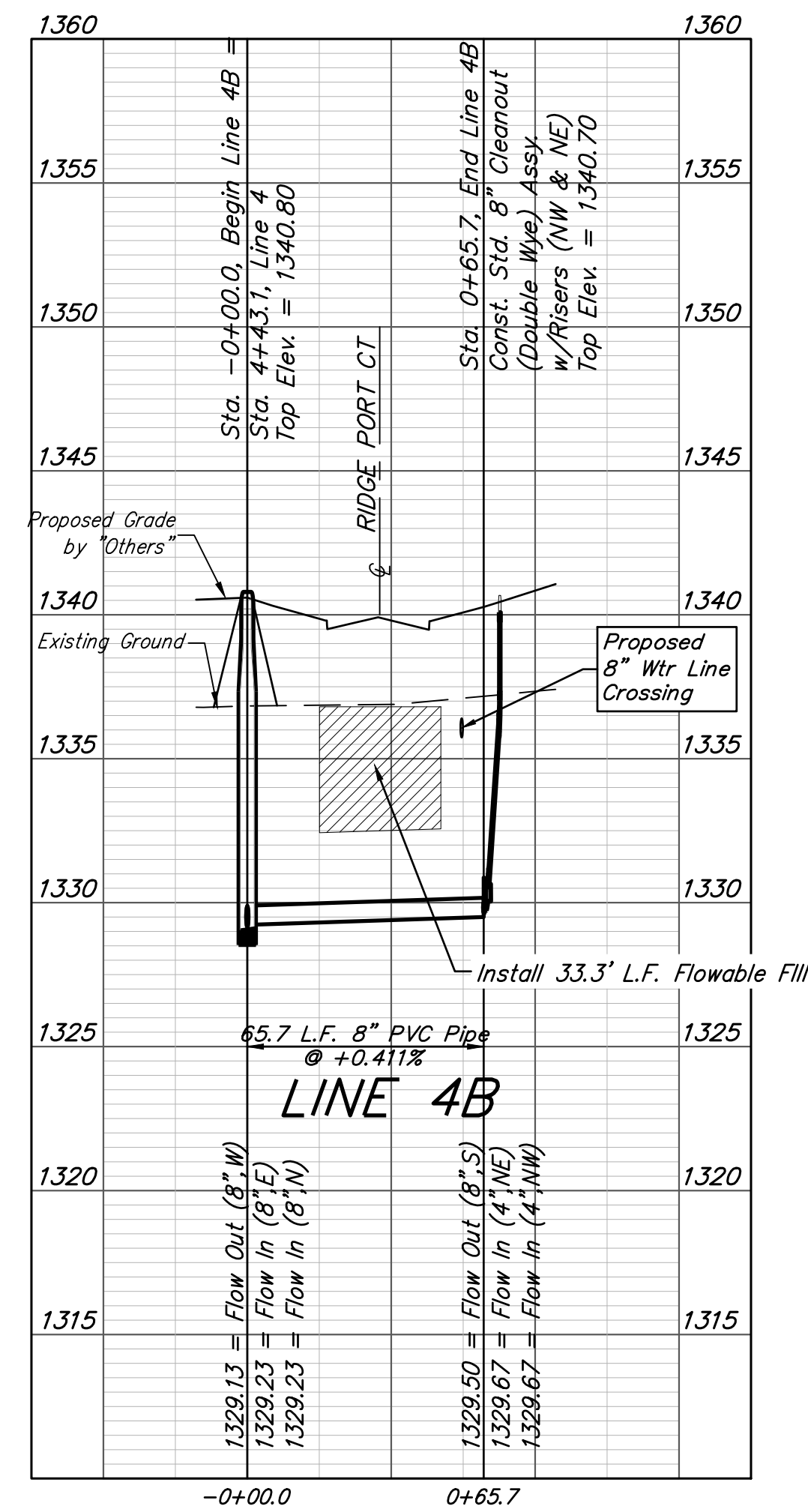
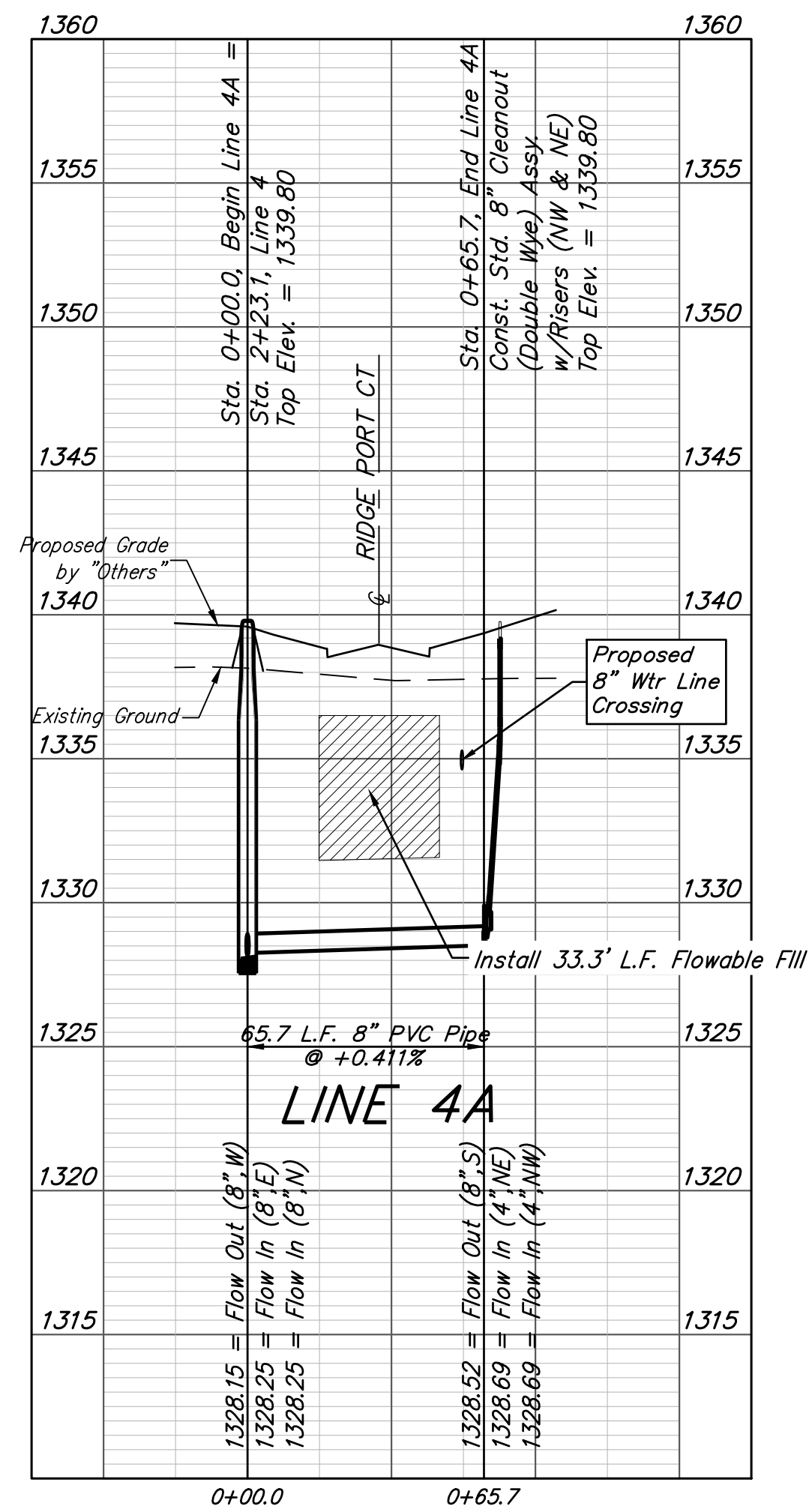
RENNICK 2ND ADDITION



NOTE: Maintain 10 ft. of horizontal separation (outside dimension to outside dimension) between the water lines and sanitary sewer lines.

NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION/DIRECTION	APPROXIMATE LENGTH 4" PIPE VERTICAL	HORIZONTAL
60	Wye Ext	20	A	4A	0+65.7/Rt.	5.8	14
61	Wye Ext	21	A	4A	0+65.7/Lt.	5.8	24
62	Wye Ext	18	A	4B	0+65.7/Rt.	5.7	14
63	Wye Ext	19	A	4B	0+65.7/Lt.	5.5	27

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
 BaughmanCo.com

RENNICK & RENNICK
 2ND ADDITION

LINE 4A & 4B

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER:
 468-2021-008733

DESIGN: AEG DRAWN: HJW

DATE: June 1, 2021

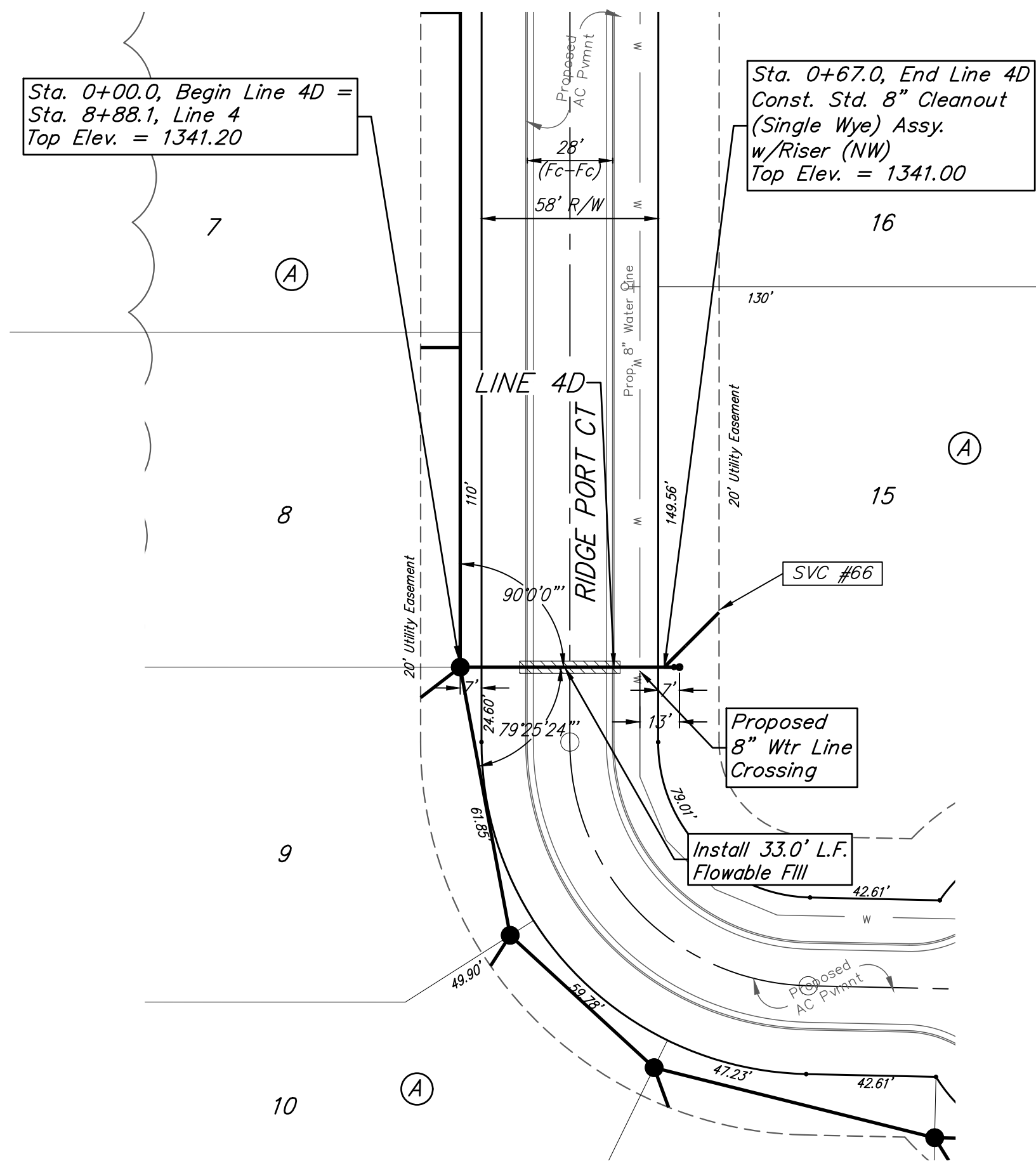
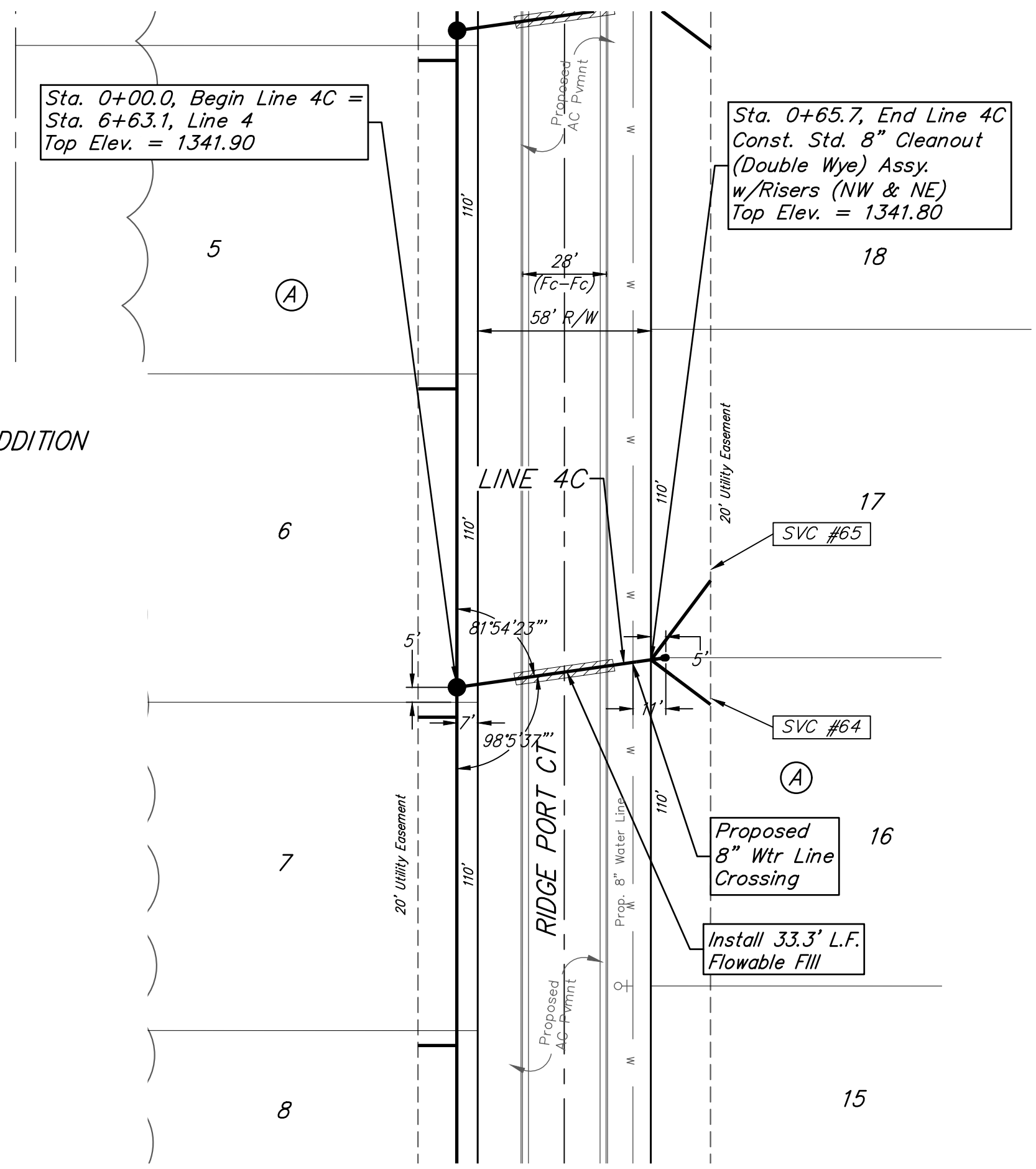
SHEET OF
11 25

File: E:\Projects\Rennick Addition_16-10-P236\Engineering\Phase 1\SS_21-02-E853\SS Plans.dwg

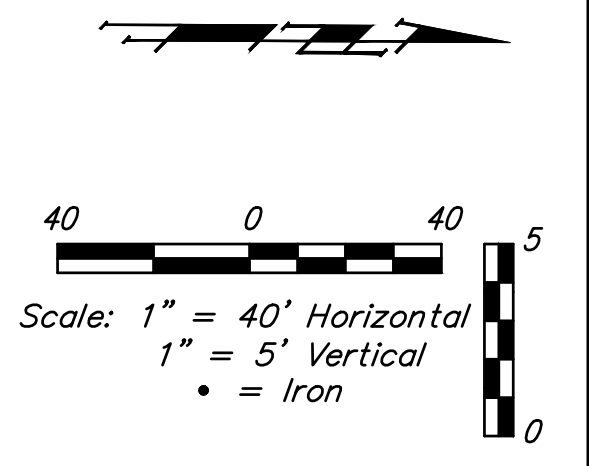
BENCHMARKS:
 CROSS CUT IN SQUARE CUT, TOP OF CURB AT NORTH END OF ISLAND, SOUTH OF INTERSECTION OF CIMARRON AND W 45TH ST N, 128.3' SOUTH-SOUTHWEST OF SOUTHWEST CORNER, LOT 31, BLOCK A, RENNICK ADD. & 129.1' SOUTH-SOUTHWEST OF THE SOUTHEAST CORNER OF LOT 46, BLOCK A, RENNICK ADD.
 ELEV. = 1339.19 NAVD88

CROSS CUT IN SQUARE CUT IN CONC. DRIVEWAY, 158.0' SOUTH & 30.4' EAST OF THE E1/4 COR., SEC. 22, TWP. 26-S, R-1-W, 9.8' WEST OF WEST FACE OF SOUTH GATE POST, 28.2' SOUTH-SOUTHWEST OF SOUTHWEST FACE OF NORTH GATE POST.
 ELEV. = 1337.08 NAVD88

RENNICK 2ND ADDITION



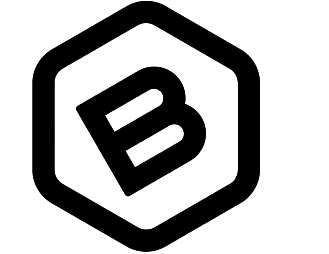
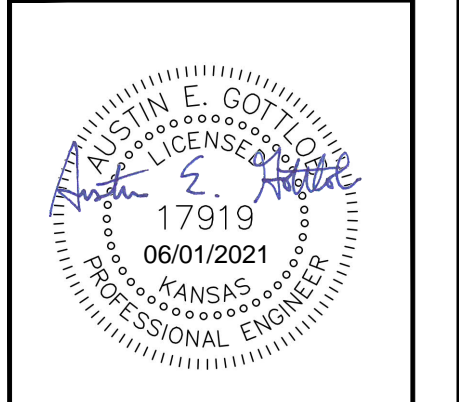
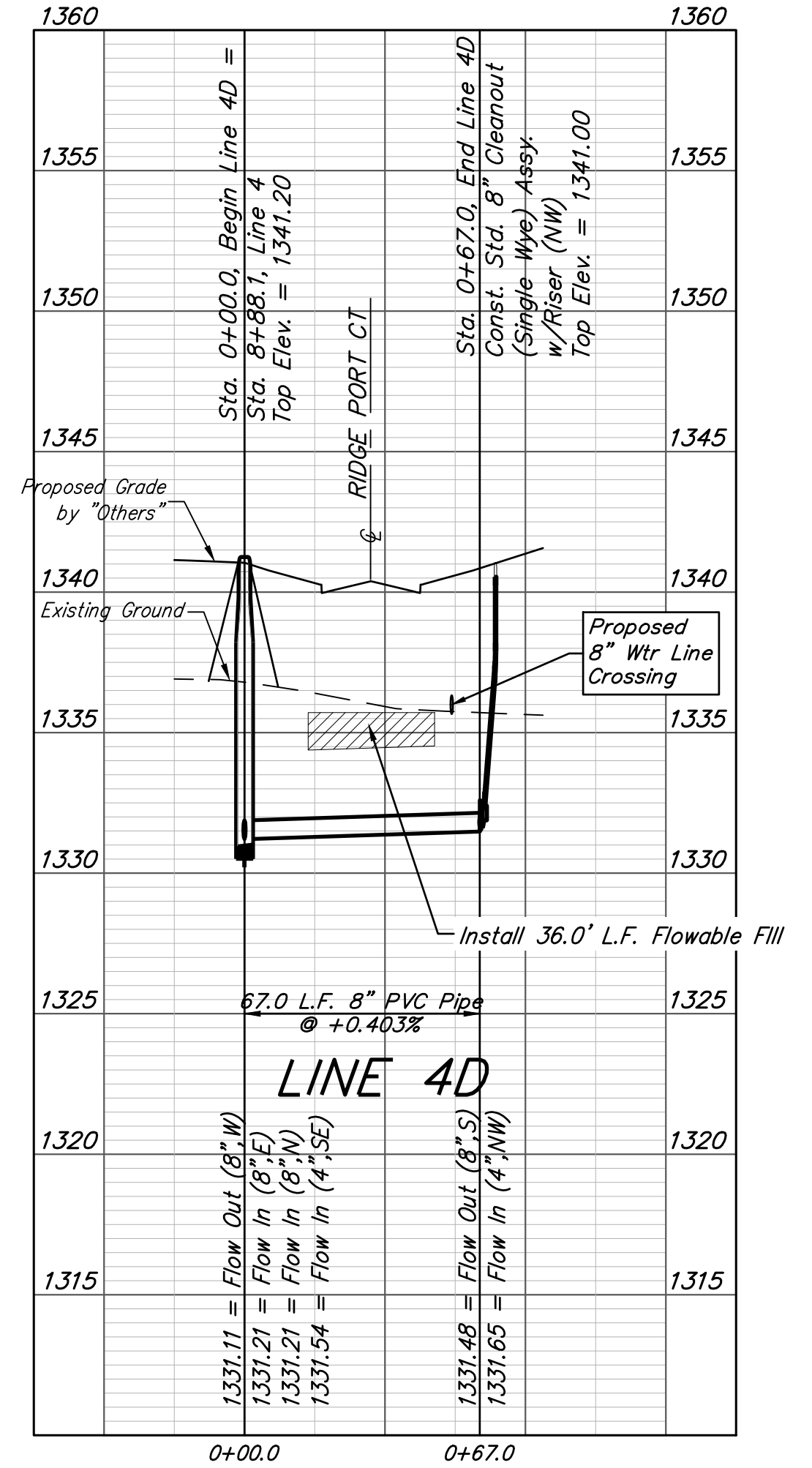
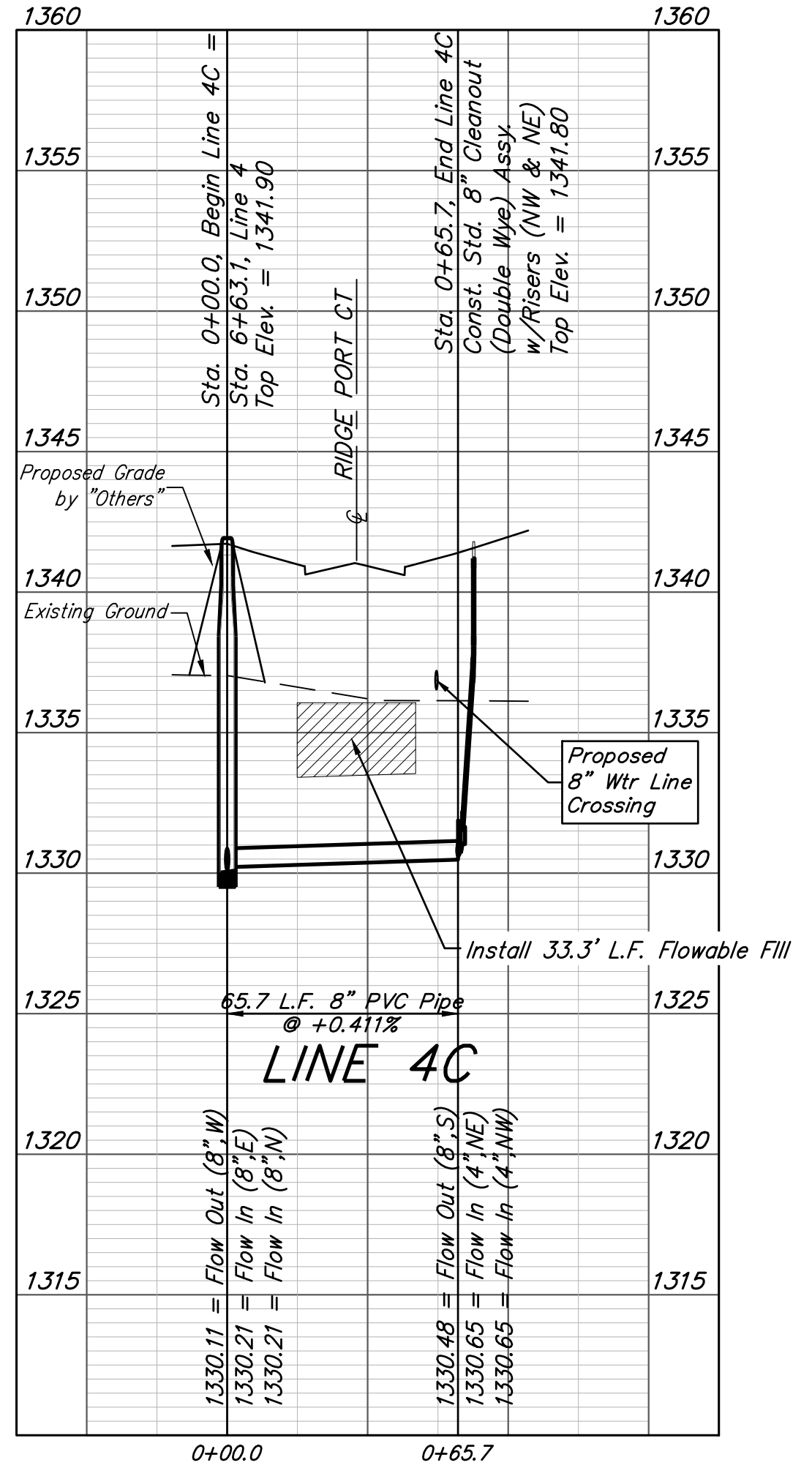
RENNICK 2ND ADDITION



NOTE: Maintain 10 ft. of horizontal separation (outside dimension to outside dimension) between the water lines and sanitary sewer lines.

NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION/DIRECTION	APPROXIMATE LENGTH 4" PIPE	VERTICAL
64	Wye Ext	16	A	4C	0+65.7/Rt.	5.8	14
65	Wye Ext	17	A	4C	0+65.7/Lt.	5.6	27
66	Wye Ext	15	A	4D	0+67.0/Lt.	4.5	15

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
 BaughmanCo.com

RENNICK & RENNICK
 2ND ADDITION

LINE 4C & 4D

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER:
 468-2021-008733

DESIGN: AEG DRAWN: HWJ

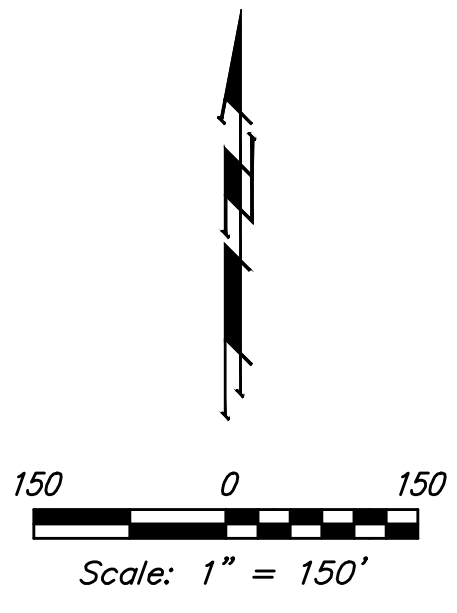
DATE: June 1, 2021

SHEET OF
12 25

File: E:\Projects\Remick Addition_16-10-P236\Engineering\Phase 1\SS_21-02-E853\SS Plans.dwg

BENCHMARKS:
 CROSS CUT IN SQUARE CUT, TOP OF CURB AT NORTH END OF ISLAND, SOUTH OF INTERSECTION OF CIMARRON AND W 45TH ST N, 128.3' SOUTH-SOUTHWEST OF SOUTHWEST CORNER, LOT 31, BLOCK A, RENNICK ADD. & 129.1' SOUTH-SOUTHEAST OF THE SOUTHEAST CORNER OF LOT 46, BLOCK A, RENNICK ADD.
 ELEV. = 1339.19 NAVD88

CROSS CUT IN SQUARE CUT IN CONC. DRIVEWAY, 158.0' SOUTH & 30.4' EAST OF THE E1/4 COR., SEC. 22, TWP. 26-S, R-1-W, 9.8' WEST OF WEST FACE OF SOUTH GATE POST, 28.2' SOUTH-SOUTHWEST OF SOUTHWEST FACE OF NORTH GATE POST.
 ELEV. = 1337.08 NAVD88



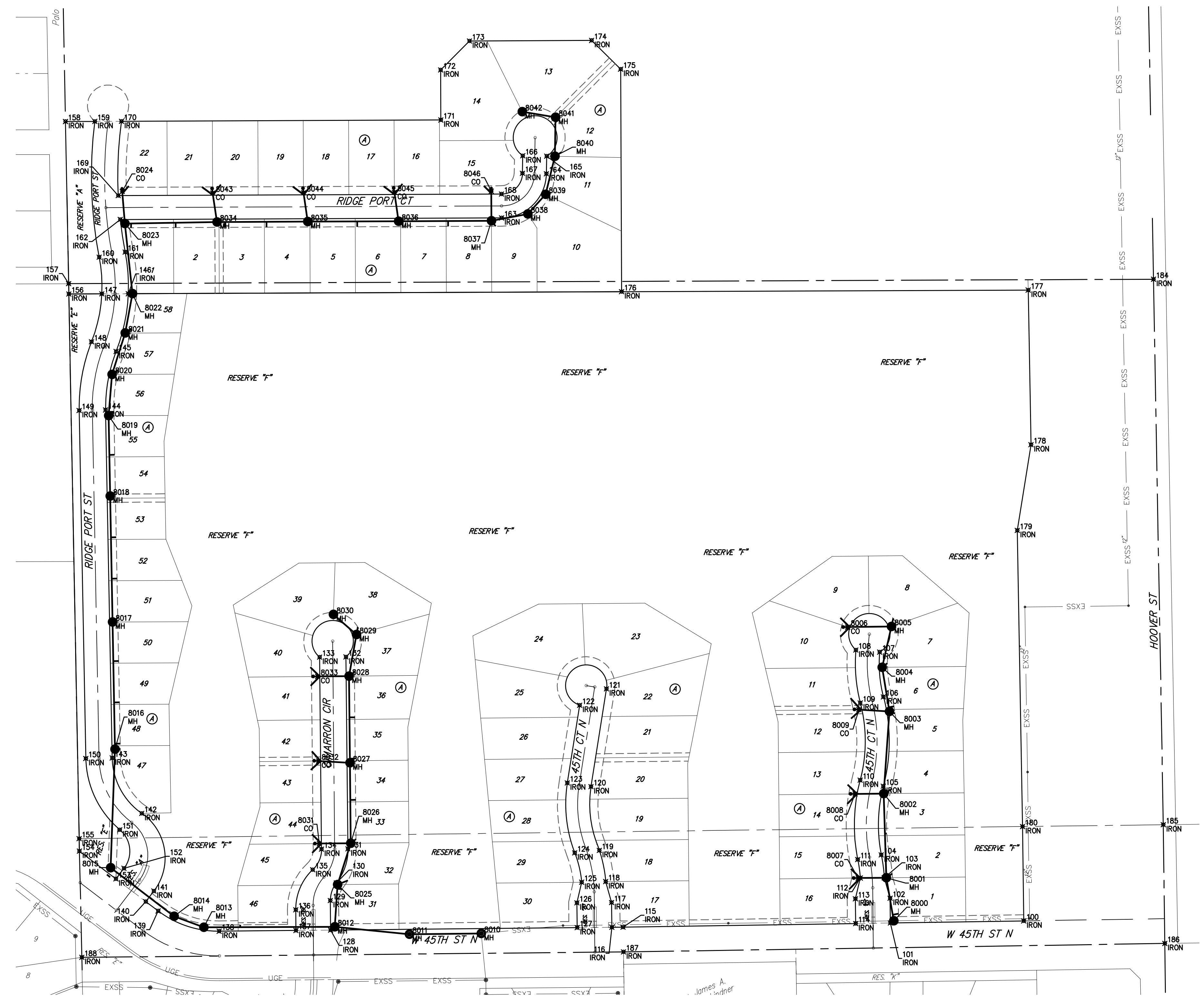
IRONS			
Point #	Northing	Eastng	Description
100	35,173.88	50,212.62	IRON
101	35,168.82	49,889.53	IRON
102	35,228.81	49,888.94	IRON
103	35,278.44	49,874.77	IRON
104	35,333.88	49,867.46	IRON
105	35,500.28	49,872.45	IRON
106	35,716.66	49,872.73	IRON
107	35,825.30	49,863.69	IRON
108	35,830.38	49,805.91	IRON
109	35,702.11	49,816.58	IRON
110	35,514.98	49,816.34	IRON
111	35,322.57	49,810.58	IRON
112	35,277.86	49,816.67	IRON
113	35,227.49	49,804.95	IRON
114	35,167.51	49,805.54	IRON
115	35,158.68	49,242.00	IRON
116	35,158.41	49,214.94	IRON
117	35,218.39	49,214.34	IRON
118	35,269.17	49,199.92	IRON
119	35,344.66	49,184.66	IRON
120	35,499.26	49,164.39	IRON
121	35,736.23	49,201.95	IRON
122	35,696.56	49,136.94	IRON
123	35,508.34	49,107.10	IRON
124	35,338.65	49,125.01	IRON
125	35,267.67	49,141.81	IRON
126	35,217.56	49,130.35	IRON
127	35,157.57	49,130.94	IRON
128	35,151.58	48,533.70	IRON
129	35,223.20	48,532.89	IRON

IRONS			
Point #	Northing	Eastng	Description
130	35,265.80	48,547.45	IRON
131	35,348.49	48,575.52	IRON
132	35,813.61	48,570.90	IRON
133	35,812.97	48,506.90	IRON
134	35,347.86	48,511.52	IRON
135	35,297.88	48,490.34	IRON
136	35,200.80	48,449.21	IRON
137	35,150.73	48,449.71	IRON
138	35,148.86	48,263.58	IRON
139	35,197.98	48,115.78	IRON
140	35,220.62	48,086.05	IRON
141	35,246.27	48,105.58	IRON
142	35,434.37	48,076.26	IRON
143	35,568.79	48,004.63	IRON
144	36,412.16	47,988.54	IRON
145	36,553.87	48,014.01	IRON
146	36,693.77	48,043.61	IRON
147	36,693.51	47,979.53	IRON
148	36,577.30	47,954.45	IRON
149	36,410.94	47,924.56	IRON
150	35,967.57	47,940.64	IRON
151	35,394.74	48,022.93	IRON
152	35,301.39	48,033.18	IRON
153	35,275.74	48,013.65	IRON
154	35,343.05	47,925.25	IRON
155	35,373.19	47,924.55	IRON
156	36,693.18	47,899.53	IRON
157	36,718.18	47,899.06	IRON
158	37,111.15	47,891.48	IRON
159	37,111.44	47,962.51	IRON

IRONS			
Point #	Northing	Eastng	Description
160	36,782.43	47,973.19	IRON
161	36,794.68	48,036.00	IRON
162	36,873.69	48,023.96	IRON
163	36,877.50	48,947.83	IRON
164	36,984.59	49,056.37	IRON
165	37,027.19	49,057.12	IRON
166	37,028.21	48,999.12	IRON
167	36,985.60	48,998.38	IRON
168	36,935.50	48,947.60	IRON
169	36,931.67	48,019.31	IRON
170	37,111.71	48,027.11	IRON
171	37,114.89	48,800.69	IRON
172	37,236.11	48,800.18	IRON
173	37,306.40	48,869.89	IRON
174	37,307.63	49,165.89	IRON
175	37,237.92	49,236.18	IRON
176	36,698.69	49,238.42	IRON
177	36,702.74	50,223.48	IRON
178	36,327.92	50,230.21	IRON
179	36,120.27	50,196.93	IRON
180	35,402.59	50,209.80	IRON
181	36,064.91	47,873.09	IRON
182	38,051.50	50,453.19	IRON
183	38,051.22	50,503.23	IRON
184	36,728.99	50,527.06	IRON
185	35,406.97	50,550.78	IRON
186	35,119.22	50,554.31	IRON
187	35,098.69	49,243.12	IRON
188	35,085.52	47,931.19	IRON

SS POINTS			
Point #	Northing	Eastng	Description
8000	35,174.14	49,897.83	MH
8001	35,278.49	49,879.96	MH
8002	35,482.43	49,873.35	MH
8003	35,681.58	49,887.37	MH
8004	35,788.41	49,869.58	MH
8005	35,887.41	49,892.10	MH
8006	35,885.93	49,786.22	CO
8007	35,277.81	49,811.52	CO
8008	35,481.74	49,803.95	CO
8009	35,685.85	49,813.25	CO
8010	35,143.49	48,898.45	MH
8011	35,141.49	48,724.49	MH
8012	35,159.68	48,543.62	MH
8013	35,158.44	48,226.62	MH
8014	35,185.11	48,154.54	MH
8015	35,302.62	48,000.63	MH
8016	35,589.97	48,011.23	MH
8017	35,898.37	48,005.34	MH
8018	36,203.35	47,999.53	MH
8019	36,398.33	47,995.81	MH
8020	36,498.37	48,004.27	MH
8021	36,598.50	48,036.07	MH
8022	36,693.81	48,053.62	MH
8023	36,863.74	48,035.18	MH
8024	36,941.71	48,028.87	CO

SS POINTS			
Point #	Northing	Eastng	Description
8025	35,261.80	48,550.68	MH
8026	35,362.12	48,582.38	MH
8027	35,557.11	48,580.45	MH
8028	35,767.10	48,578.36	MH
8029	35,867.95	48,596.28	MH
8030	35,916.68	48,540.55	MH
8031	35,367.37	48,506.39	CO
8032	35,561.36	48,504.40	CO
8033	35,766.35	48,502.36	CO
8034	36,867.68	48,258.27	MH
8035	36,868.56	48,478.26	MH
8036	36,869.47	48,698.26	MH
8037	36,870.39	48,923.26	MH
8038	36,887.20	49,011.24	MH
8039	36,934.65	49,054.50	MH
8040	37,026.84	49,077.11	MH
8041	37,121.45	49,078.50	MH
8042	37,134.76	48,997.77	MH
8043	36,937.62	48,248.02	CO
8044	36,938.52	48,468.02	CO
8045	36,939.43	48,688.02	CO
8046	36,942.39	48,922.96	CO



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

RENNICK & RENNICK
 2ND ADDITION

COORDINATES

SANITARY SEWER IMPROVEMENTS
 PROJECT NUMBER:
 468-2021-008733
 DESIGN: AEG DRAWN: HWJ
 DATE: June 1, 2021
 SHEET OF
 23 25

File: E:\Projects\Rennick Addition_16-10-P236\Engineering\Phase 1\SS-21-02-E853\SS Plans.dwg