

AS BUILT PLANS

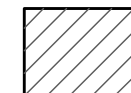
GENERAL NOTES:

- The Contractor shall comply with all applicable safety regulations. All construction shall be completed following current City Standard Specifications and Special Provisions.
- Contractor will be required to provide notice to utility companies a minimum of seventy-two (72) hours prior to any excavation, as follows:
Kansas One-Call 687-2470
The Contractor must notify the following in case of an emergency:
AT&T 1-800-246-8464
Black Hills Energy 1-800-694-8989
City of Wichita Water & Sewer 1-316-219-8921
City of Wichita Stormwater 1-316-268-4090
City of Wichita Traffic 1-316-268-4034
Cox Communications 1-888-249-3530
Kansas Gas Service 1-888-482-4950
Verigy 1-800-544-4857
- Utility service lines, poles, etc. are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
- Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations, in the opinion of the Engineer, that will leave an unsightly appearance will not be approved. All disposal sites must be approved by the Kansas Department of Health and Environment. Material either stockpiled or disposed of in a flood plain will require a Kansas State Board of Agriculture permit. Any material dumped in waters of the United States or wetlands is subject to U.S. Corps of Engineers permitting regulations. Any material buried or stockpiled beyond approved construction limits will require additional archaeological investigations unless buried in a previously approved borrow location.
- Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the City Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage.
- 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.
- The Engineering Division shall field locate water valves one time during construction when requested by the Contractor. It shall be the Contractor's responsibility to preserve such field locations during the construction process. Water valves, valve boxes or fire hydrants damaged during construction shall be repaired by Contractor at his own expense. Valve boxes and water meters within the project limits shall be adjusted to match final grades by the contractor.
- The Contractor shall notify the inspecting engineer and Dawnita Reinhardt at 316-268-4574 with the anticipated construction start date and notify them of project completion. Staking and inspection for this project will be the responsibility of the Contractor.
- If traffic will be impacted by construction, a traffic control plan must be submitted and approved by the City Traffic Engineer, Mike Armour at traffic@wichita.gov before construction can begin. The Contractor shall be responsible for all traffic control measures to facilitate construction. All construction zone markings and signage shall conform to the latest version of the Manual on Uniform Traffic Control Devices (MUTCD) as published by the US Dept. of Transportation, Federal Highway Administration. All costs associated with construction markings and signage shall be the Contractors responsibility.
- All elevations shown are in City Datum
- All areas disturbed during construction that will not be under proposed pavement shall be restored to match existing conditions.
- Any sidewalk, drive approach, curb, or street pavement removed to construct project must have a pavement cut permit and be replaced by the City contractor. Permits can be obtained by calling 316-268-4501 or 316-268-4480.
- All applicable fees (tap, equity, in lieu of & main benefit) must be paid before any connections can be made on this project. Quotes can be obtained on fees by calling 316-268-4555.
- City Maintenance of sanitary sewer mains ends at last structure within the easement or right-of-way.
- All stubs and capped pipes shall be located with green plastic tape in the same manner as risers.
- Connecting to Existing Manholes:
Prior to laying sewer lines using existing stubs in existing manholes, the Contractor shall expose and verify the elevation, grade and alignment of existing stubs and notify the Engineer of any deviation from the plans. Where the stub is unusable due to elevation grade or alignment, the Contractor shall remove the stub and plug the hole, and reshape the existing manhole invert to provide smooth flow. Where connecting to an existing manhole that does not have an existing stub, the Contractor shall core cut into existing manhole wall to make connection using approved water stop gasket, and reshape the existing manhole invert to provide smooth flow. The cost to connecting to existing manholes is incidental to the project.
- Contractor shall limit the extent of trench open overnight and weekends to less than 50 feet.
- Contractor shall provide positive drainage away from all manhole covers.
- The Contractor shall prevent any construction debris from entering the existing sanitary sewer during construction.
- The Contractor shall be responsible for maintaining continuous flow of sewage through construction. Contractors proposed method for maintaining sewage flow shall be submitted and approved by the Sewer Maintenance Division (316-268-4073) prior to starting and by-passing of sewage flows.
- Any over excavation from manhole and pipe removal shall be backfilled with AB-3 compacted to 90-95% ASTM D698.
- The Contractor shall protect from damage and support existing utilities through construction as approved by the utility owner and the Engineer at the contractors expense.
- Air testing is required.
- The Developer for this project is Michael Brand 2418 S Hoover Rd., Wichita, KS 67215 (316)942-2306 Mike@Brandplumbinginc.com

BENCHMARKS

CITY OF WICHITA BENCHMARK DISC - SE COR. OF INTERSECTION OF 47TH ST. S. AND WEST STREET
42.10' E. OF CENTERLINE
51.00' S. OF CENTERLINE
99.80' E. OF P.P. ON SW COR.
23.80' S. OF P.P.
Elev. = 92.29 CITY DATUM
Elev. = 1280.39 NAVD29
Elev. = 1280.85 NAVD88

BENEFIT DISTRICT



SANITARY SEWER IMPROVEMENTS to serve ANGEL FIRE 2ND ADDITION CITY OF WICHITA, KANSAS

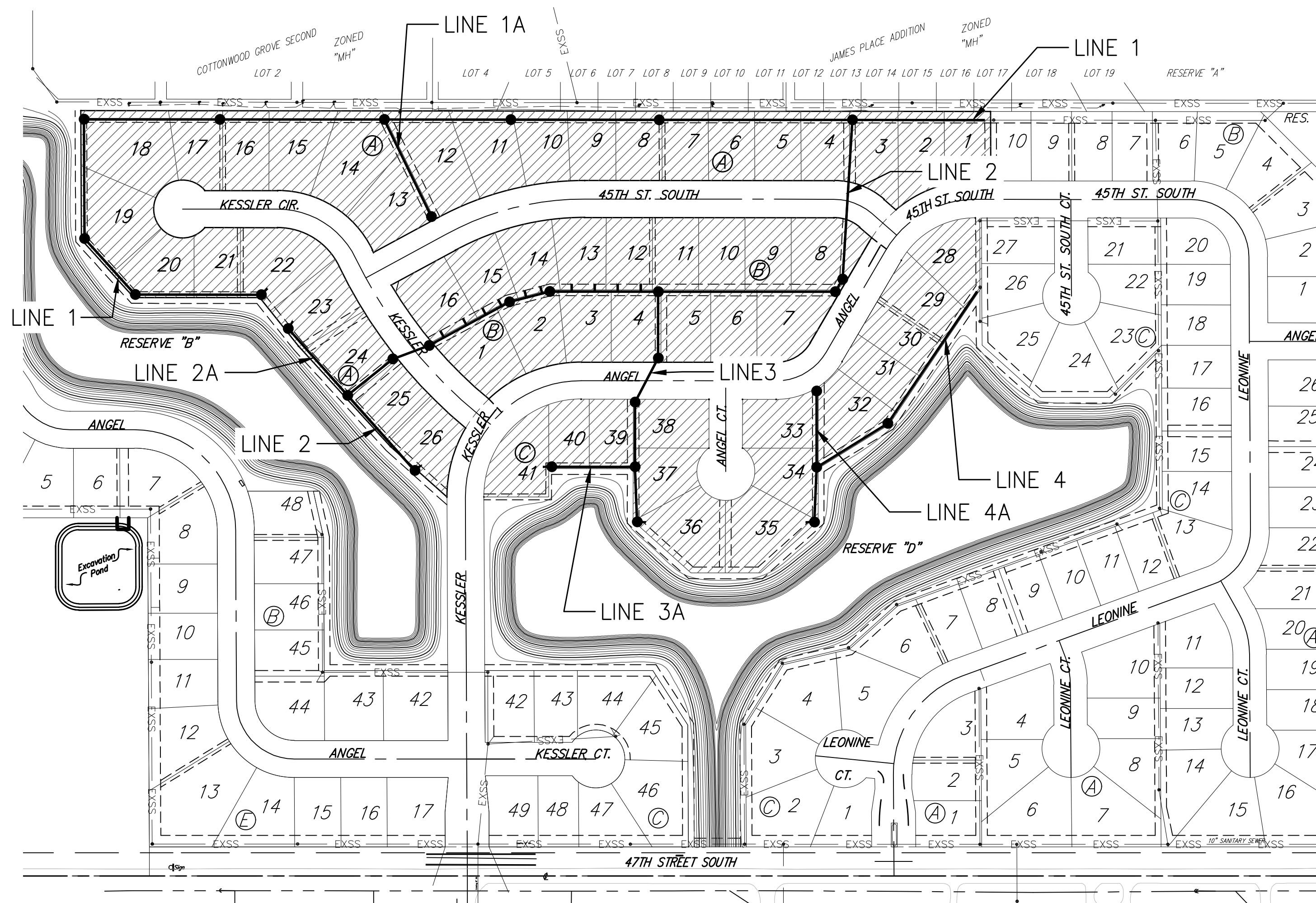
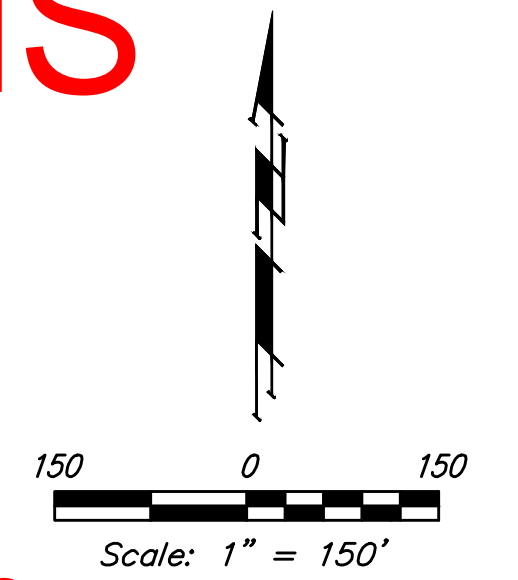
BEGIN CONSTRUCTION:
JULY 2021
END CONSTRUCTION:
SEPTEMBER 2021

Gary Janzen, P.E. City Engineer
Project Number 2021-009587PPS
OCA Number 53030982

Contractor: Mies Construction Co
Inspector: Larry Powell, Baughman Co
As BUILTs by: LDP, 10/28/2021

D. Reinhardt - City of Wichita, Inspector
Stubs & Risers
Release Date: 4/19/2022
: apr 4/22/2022

10" PVC PIPE = National Pipe & Plastics
8" PVC PIPE = Northern Pipe Products



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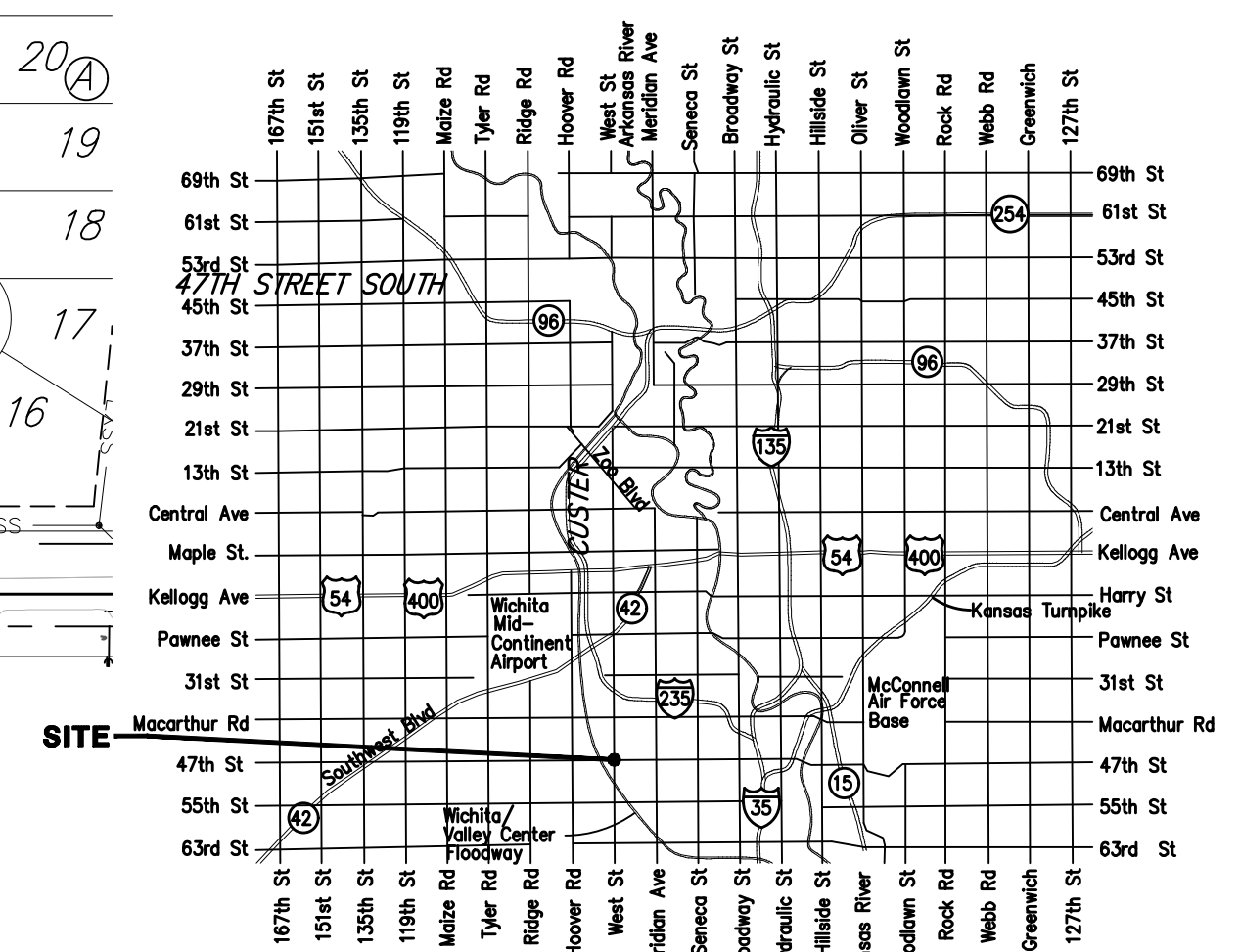
APPROVED AS NOTED
BY WICHITA PUBLIC WORKS
ENGINEERING DIVISION

Engineering Shawn Mellies 7/12/21
Utilities Deb Ary 7/12/21

NOTE TO CONTRACTORS

Inspection and testing for this project is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional Engineer in the state of Kansas. No work shall be performed by the Contractor without such inspection nor shall any work be commenced without written authorization by City Engineering. All Construction and Materials shall comply with the current City of Wichita Specifications and Standards and Special Provisions. (on file and available at Wichita.gov).

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

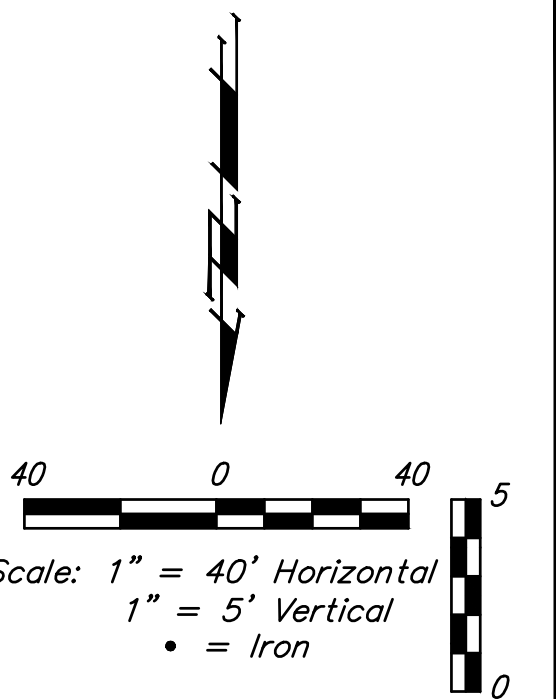


VICINITY MAP

June 17, 2021

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

BENCHMARKS:
 CITY OF WICHITA BENCHMARK DISC - SE COR. OF
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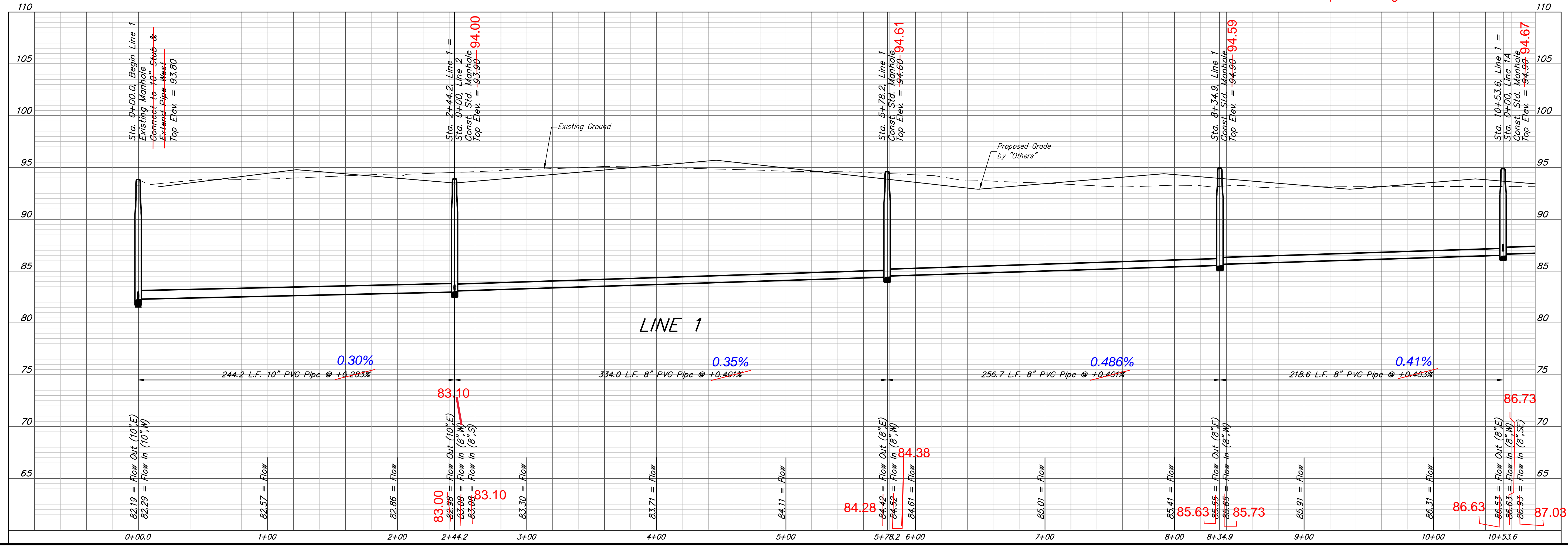
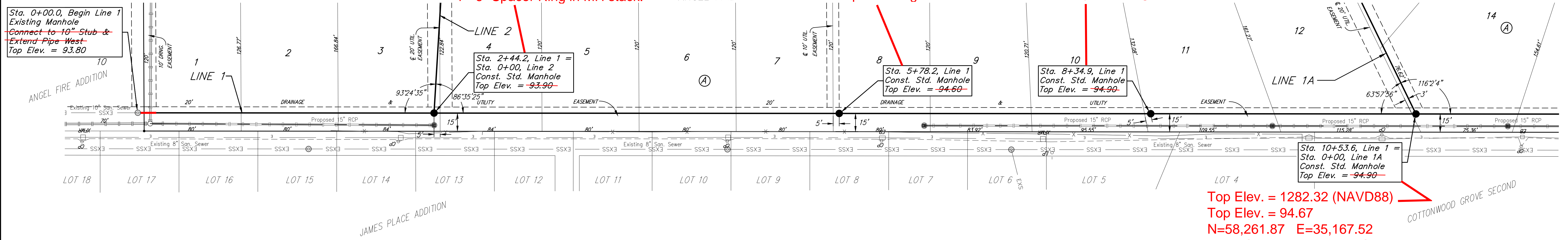
Existing 4" Stub Removed.
 New 10" SS Pipe installed.
 Note: COW repaired existing
 broken field collar at SS MH.
 COW SS MH # 5242-179

Top Elev. = 1281.65 (NAVD88)
 Top Elev. = 94.00
 N=58,273.45 E=35,975.92
 1 - 6" Spacer Ring in MH stack.

Top Elev. = 1282.26 (NAVD88)
 Top Elev. = 94.61
 N=58,268.60 E=35,642.33
 1-6" Spacer Ring in MH Stack.

Top Elev. = 1282.24 (NAVD88)
 Top Elev. = 94.59
 N=58,265.23 E=35,385.84
 No 6" Spacer Ring in MH Stack.

Top Elev. = 1282.32 (NAVD88)
 Top Elev. = 94.67
 N=58,261.87 E=35,167.52
 No 6" Spacer Ring in MH Stack.



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ANGEL FIRE 2ND ADDITION

LINE 1

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER: 2021-009587PPS

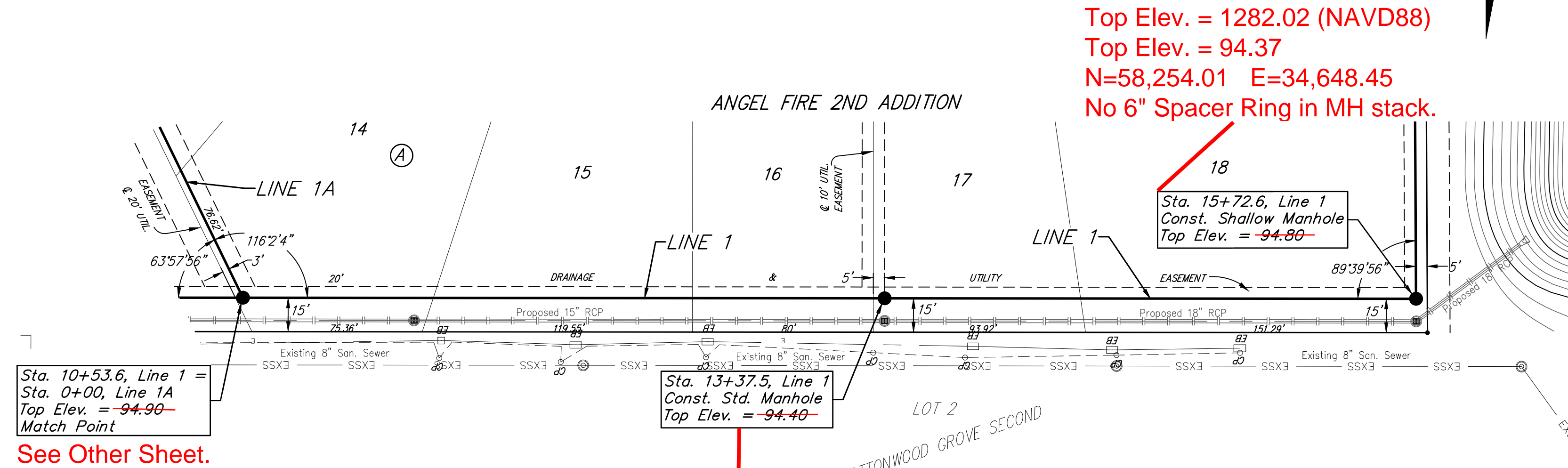
DESIGN: NBW DRAWN: CDW

DATE: June 17, 2021

SHEET 2 OF 21

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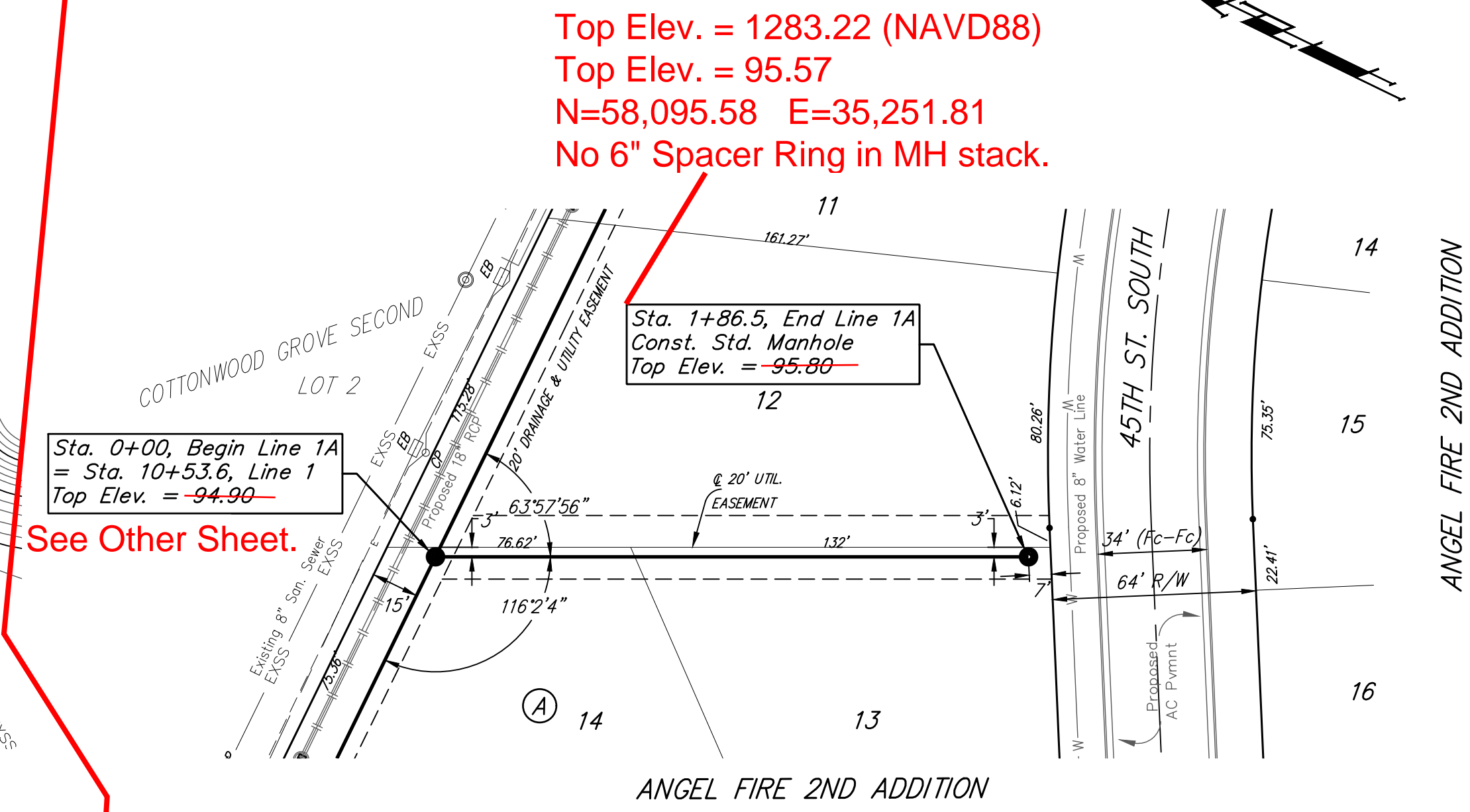
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 Elev. = 1280.85 NAVD88



Sta. 10+53.6, Line 1 =
 Sta. 0+00, Line 1A
 Top Elev. = ~~-94.90~~
 Match Point
 See Other Sheet.

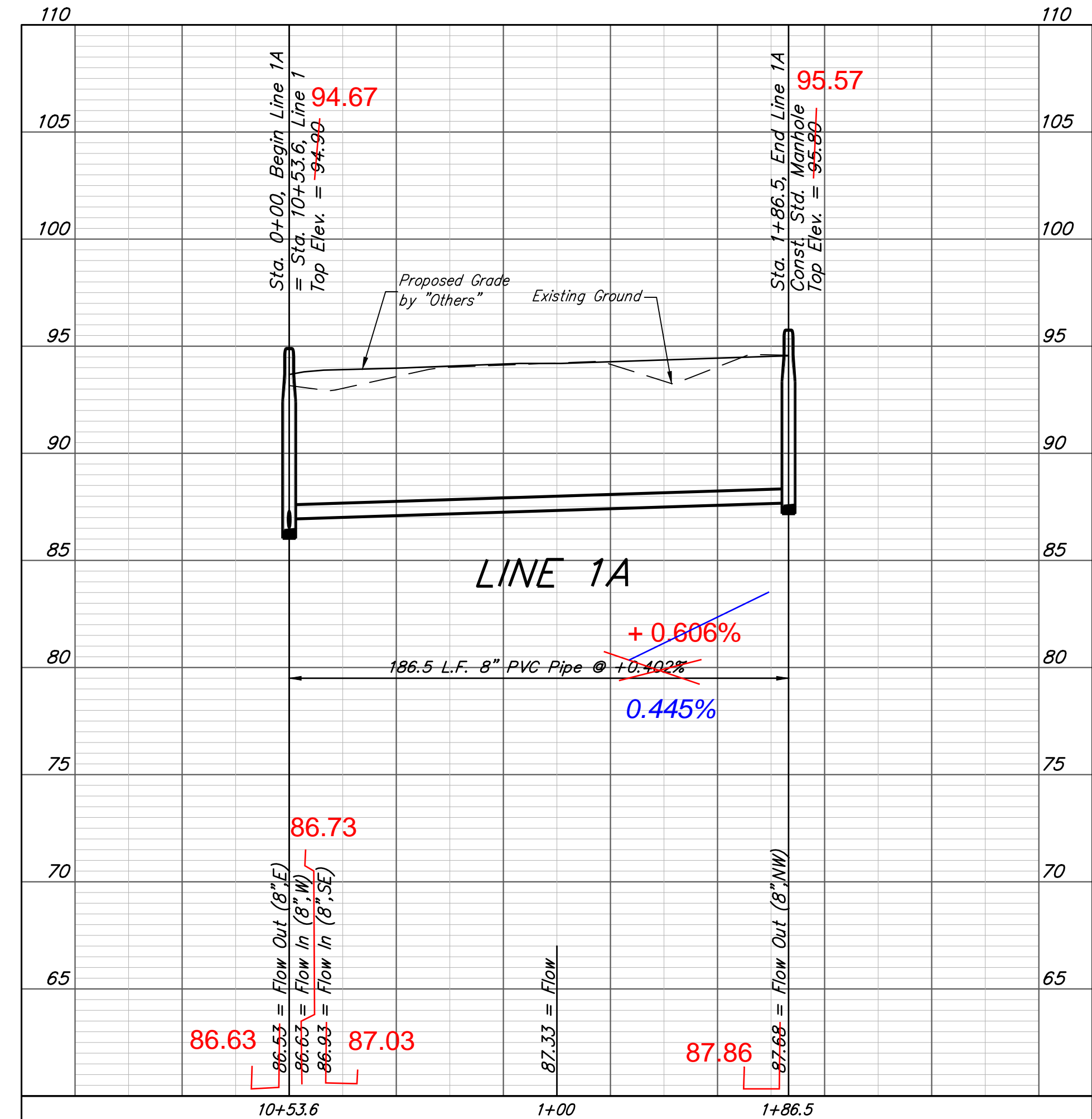
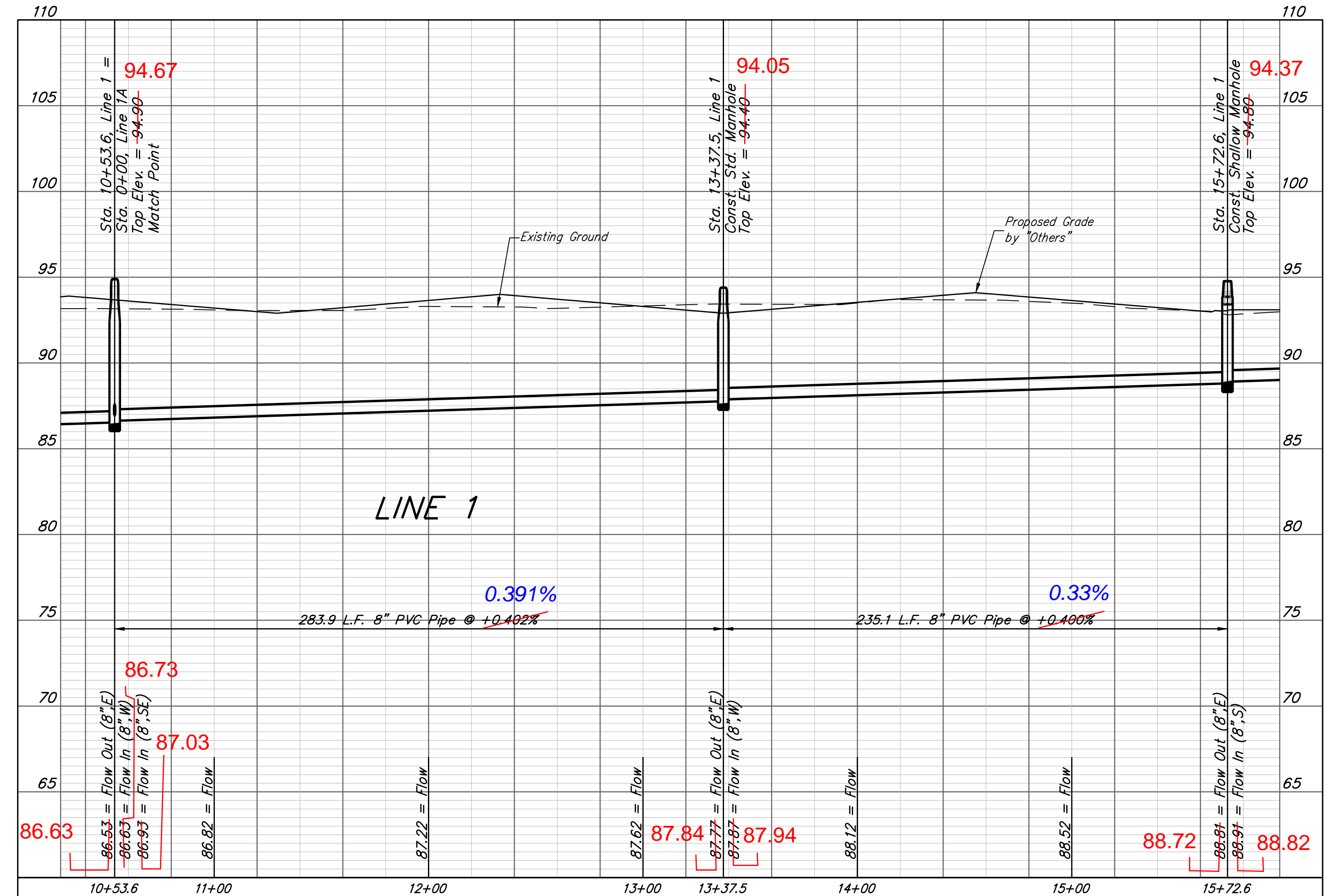
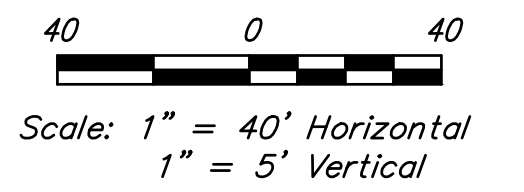
Top Elev. = 1282.02 (NAVD88)
 Top Elev. = 94.37
 N=58,254.01 E=34,648.45
 No 6" Spacer Ring in MH stack.

Top Elev. = 1281.70 (NAVD88)
 Top Elev. = 94.05
 N=58,257.03 E=34,881.84
 No 6" Spacer Ring in MH Stack.



See Other Sheet.

Top Elev. = 1283.22 (NAVD88)
 Top Elev. = 95.57
 N=58,095.58 E=35,251.81
 No 6" Spacer Ring in MH stack.



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ANGEL FIRE 2ND ADDITION

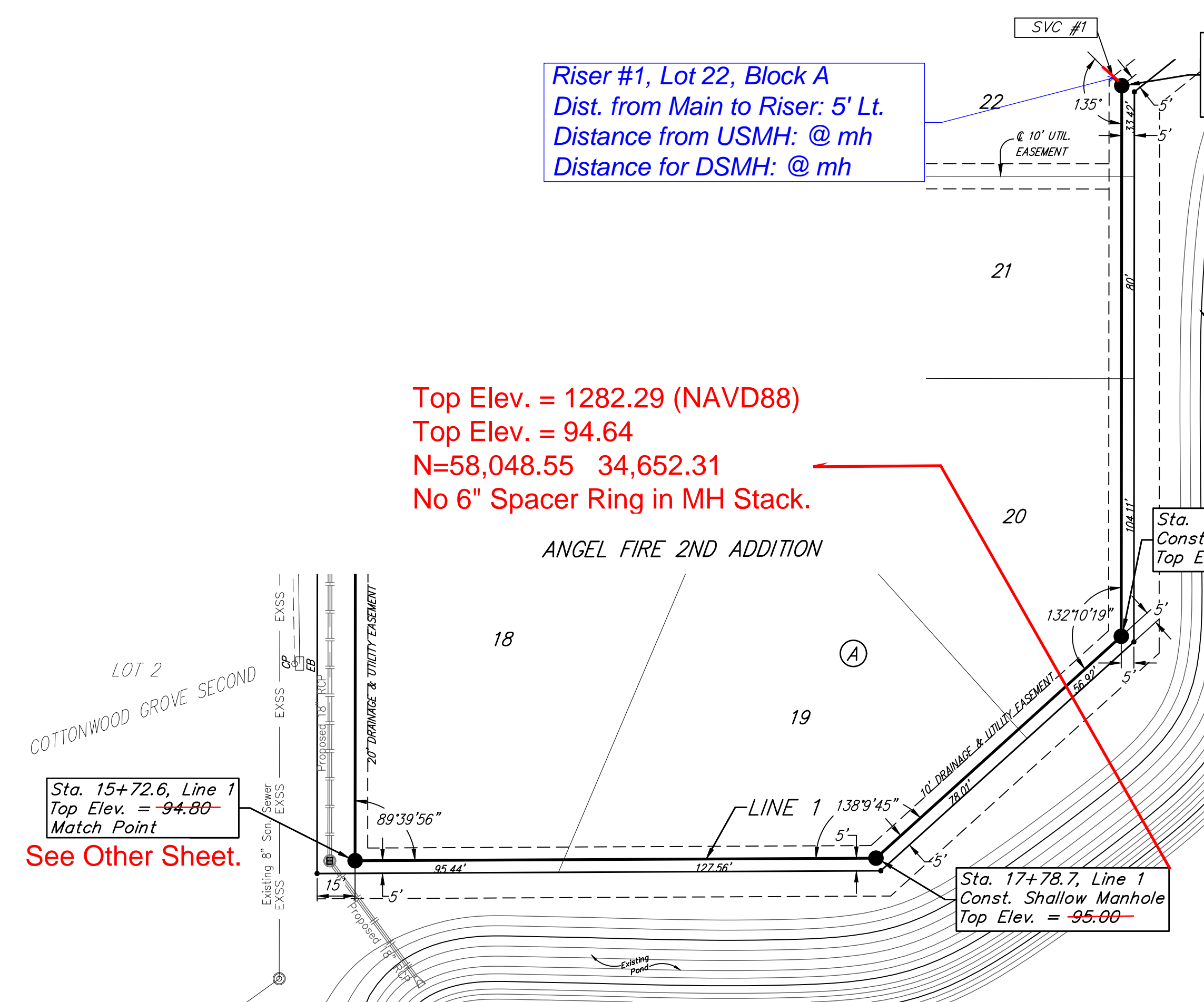
LINE 1 & 1A

SANITARY SEWER IMPROVEMENTS
 PROJECT NUMBER: 2021-009587PPS
 DESIGN: NBW DRAWN: CDW
 DATE: June 17, 2021

SHEET OF **3 21**

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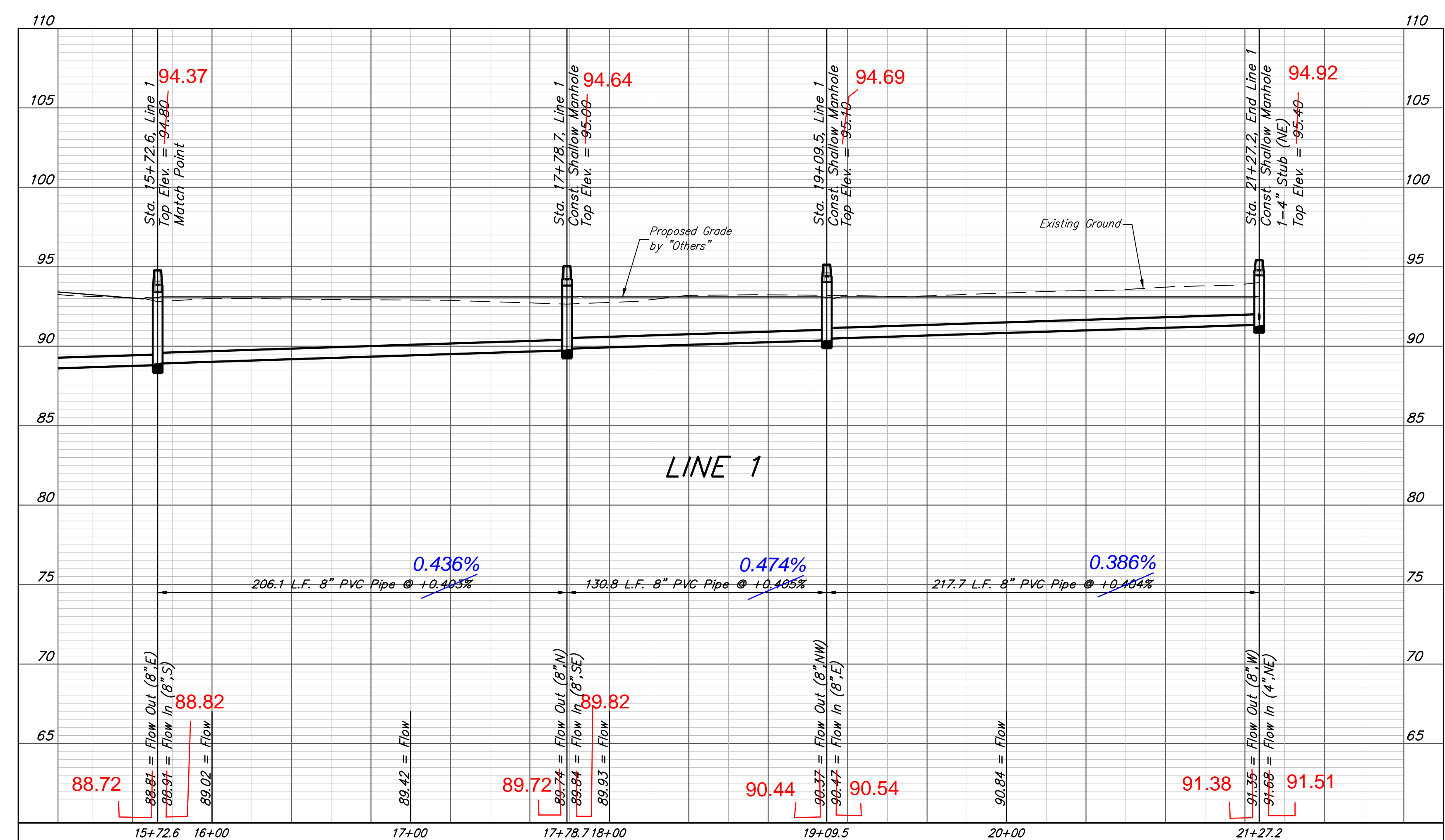
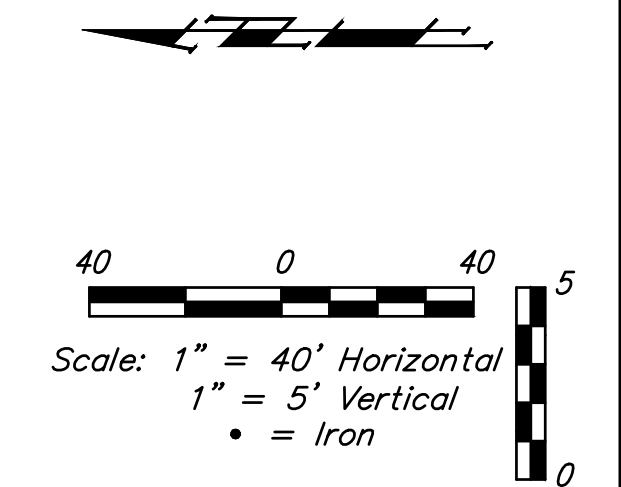
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 Elev. = 1280.85 NAVD88



SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION/DIRECTION	APPROXIMATE LENGTH 4" PIPE VERTICAL	HORIZONTAL
1	4" Stub	22	A	1	21+27.0/Lt.	0'	5'

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



BRENT WOOLEN
 LICENSED
 8470
 06/17/2021
 KANSAS
 PROFESSIONAL ENGINEER

B

**BAUGHMAN
 COMPANY**

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 Wichita, KS 67211
 316-262-7271
 BaughmanCo.com

ANGEL FIRE
 2ND ADDITION

LINE 1

SANITARY SEWER
 IMPROVEMENTS

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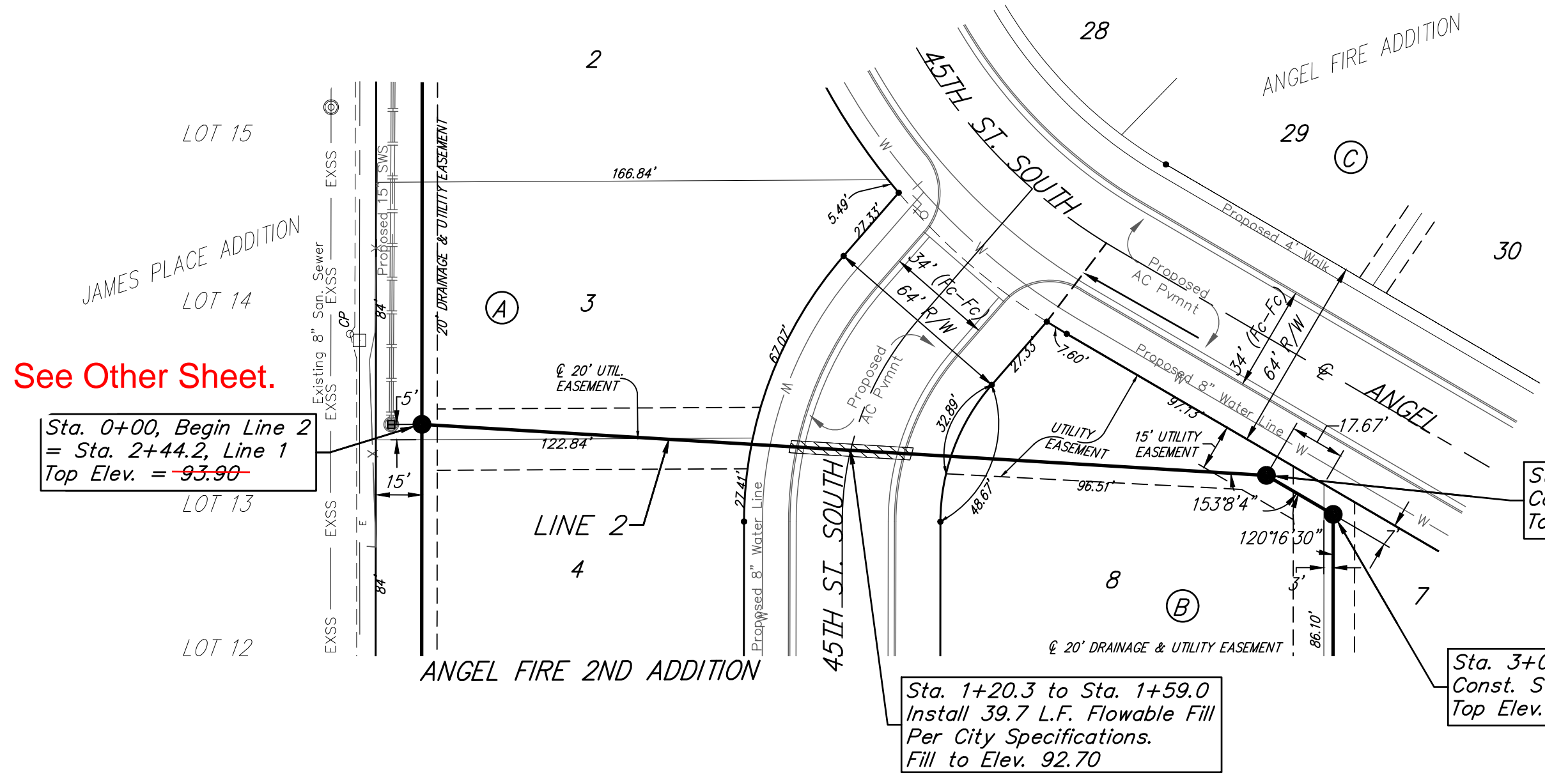
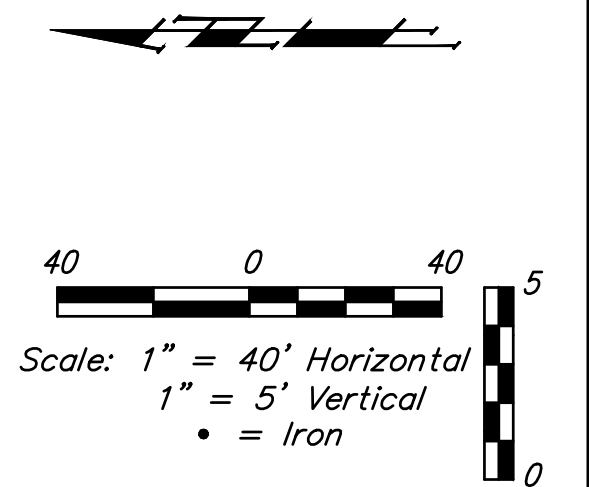
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DATE: June 17, 2021

SHEET **4** OF **21**

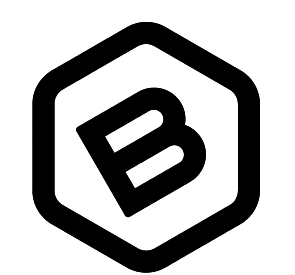
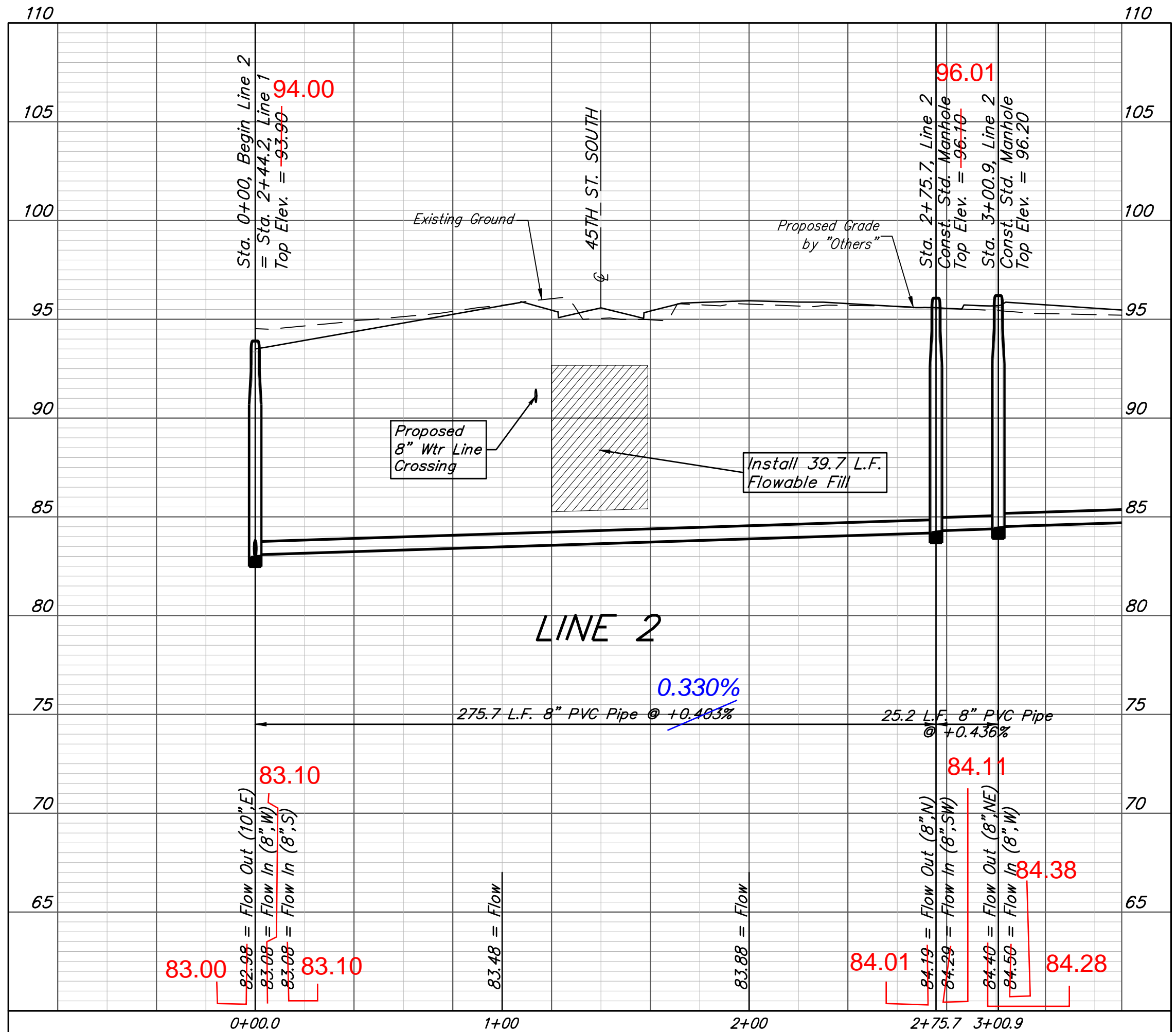
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Top Elev. = 1283.66 (NAVD88)
 Top Elev. = 96.01
 N=57,998.43 E=35,964.00
 1 - 6" Spacer Ring in MH stack.

Top Elev. = 1283.85 (NAVD88)
 Top Elev. = 96.20
 N=57,976.77 E=35,951.85
 1 - 6" Spacer Ring in MH Stack.



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ANGEL FIRE
 2ND ADDITION

LINE 2

SANITARY SEWER
 IMPROVEMENTS

PROJECT NUMBER:
 2021-009587PPS

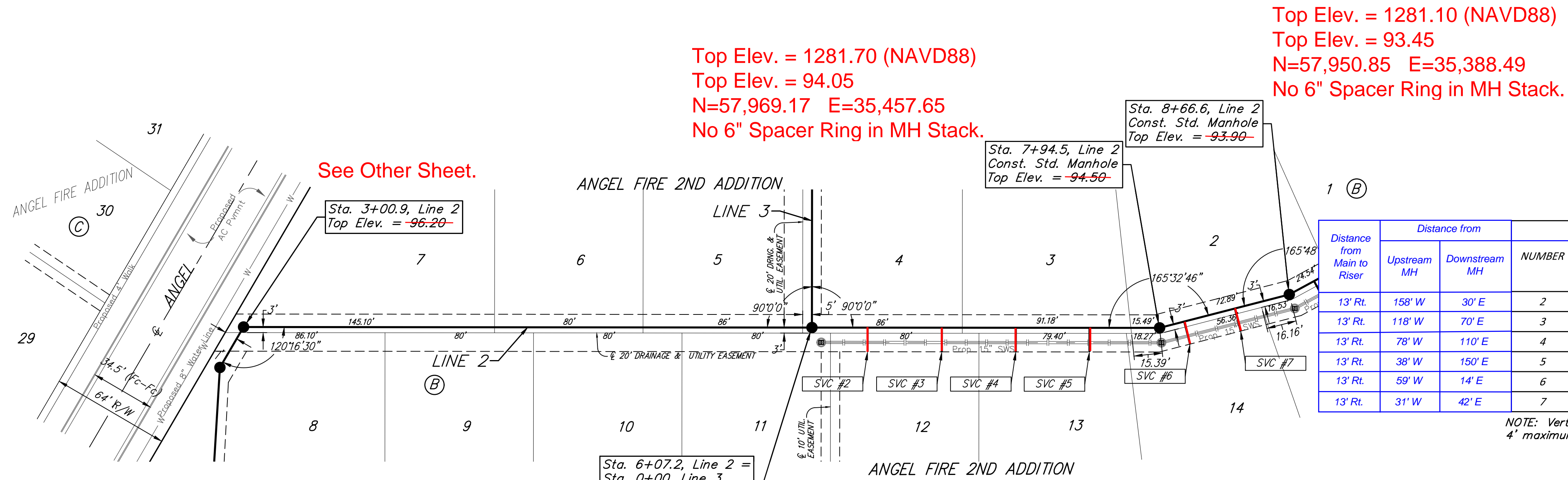
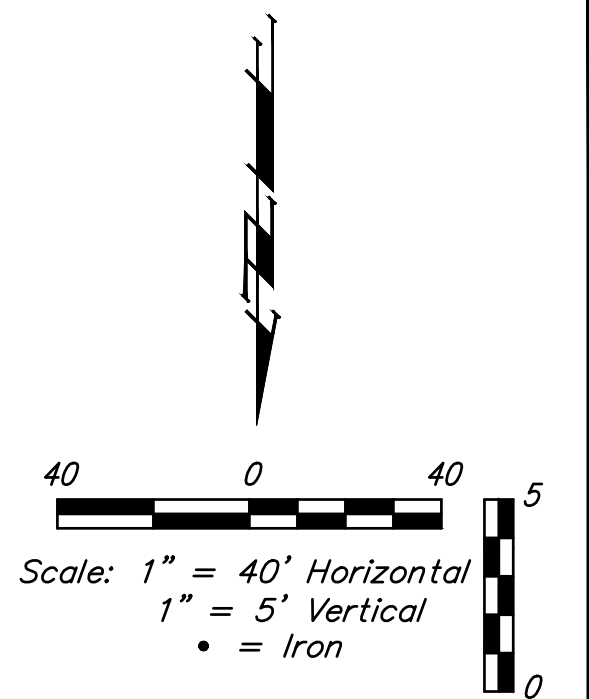
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DATE: June 17, 2021

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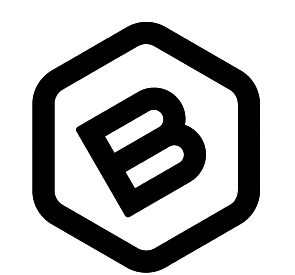
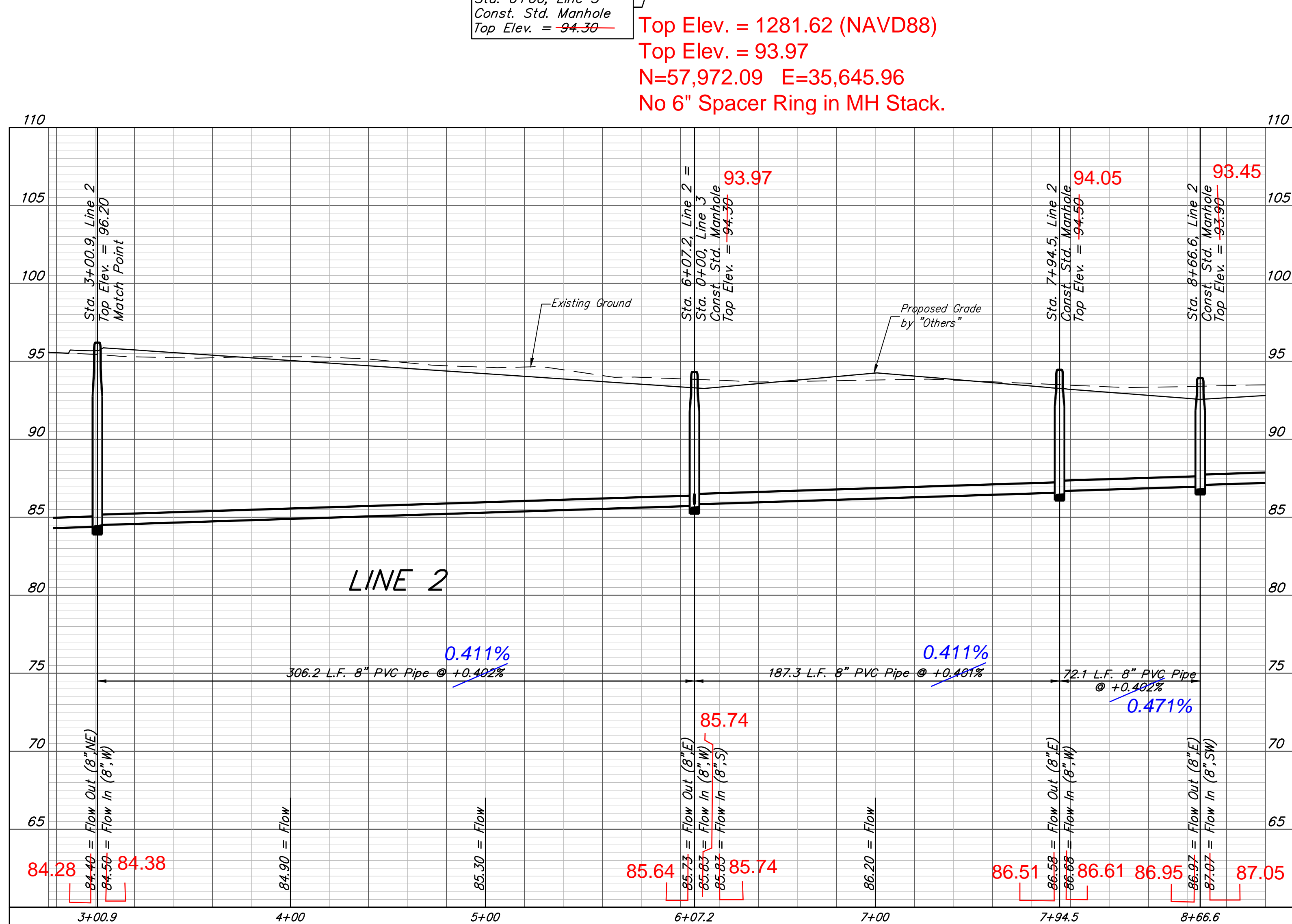
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SEWER SERVICE TABLE

Distance from Main to Riser	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
13' Rt.	158' W	30' E	2	8" X 4" Tee	12	B	2	6+37.0/Rt.	2'	13'
13' Rt.	118' W	70' E	3	8" X 4" Tee	12	B	2	6+77.0/Rt.	3'	13'
13' Rt.	78' W	110' E	4	8" X 4" Tee	13	B	2	7+17.0/Rt.	3'	13'
13' Rt.	38' W	150' E	5	8" X 4" Tee	13	B	2	7+57.0/Rt.	2'	13'
13' Rt.	59' W	14' E	6	8" X 4" Tee	14	B	2	8+08.0/Rt.	1'	13'
13' Rt.	31' W	42' E	7	8" X 4" Tee	14	B	2	8+36.0/Rt.	1'	13'

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



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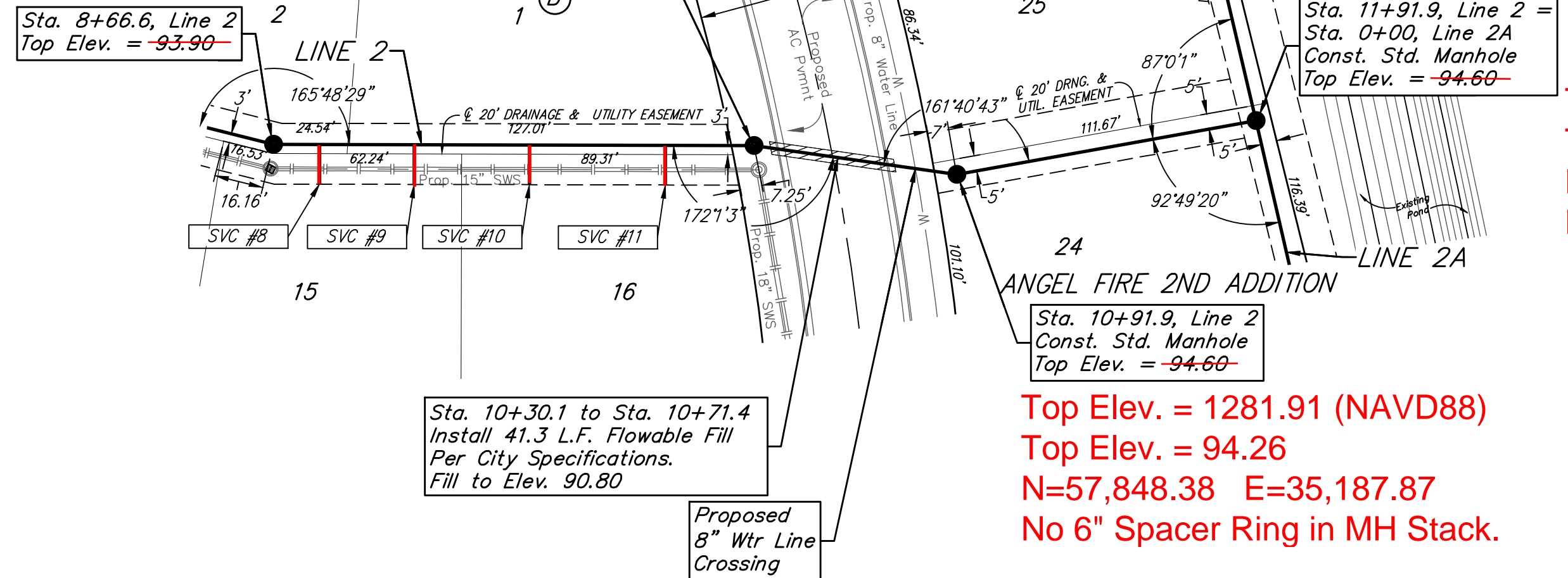
ANGEL FIRE 2ND ADDITION
LINE 2
 SANITARY SEWER IMPROVEMENTS
 PROJECT NUMBER: 2021-009587PPS
 DESIGN: NBW DRAWN: CDW
 DATE: June 17, 2021
 SHEET OF 21
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Top Elev. = 1281.69 (NAVD88)
 Top Elev. = 94.04
 N=57,872.84 E=35,251.13
 No 6" Spacer Ring in MH Stack.

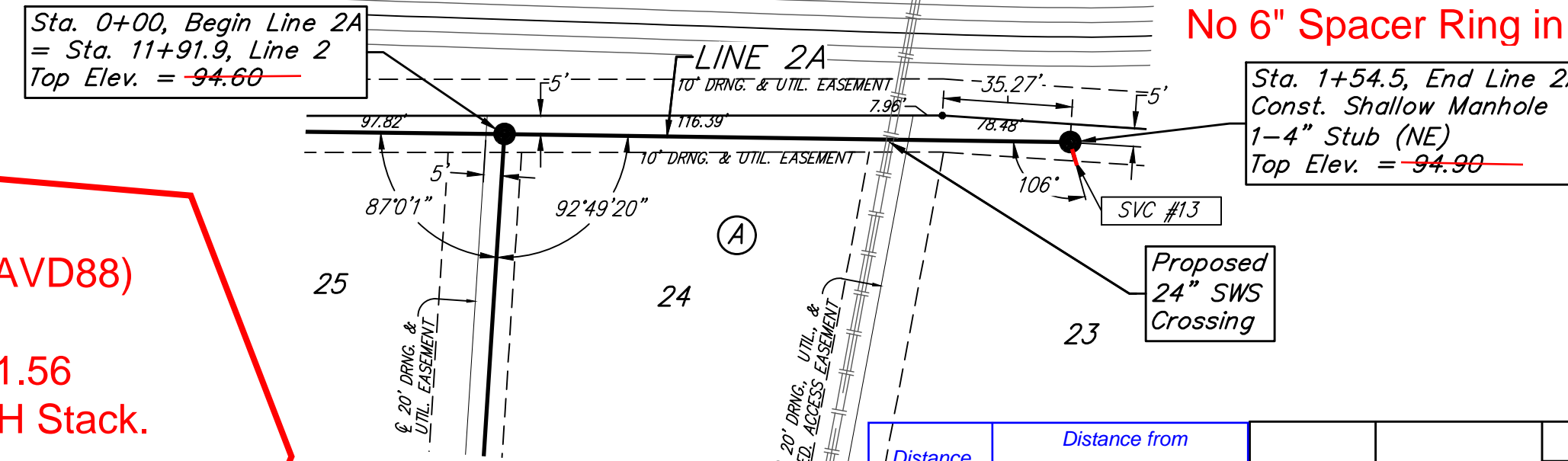
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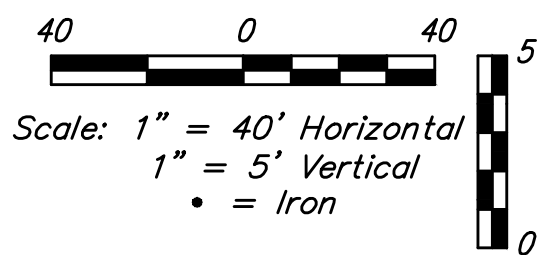
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 Top Elev. = 94.38
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 No 6" Spacer Ring in MH Stack.

Top Elev. = 1282.02 (NAVD88)
 Top Elev. = 94.37
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 No 6" Spacer Ring in MH Stack.

See Other Note.



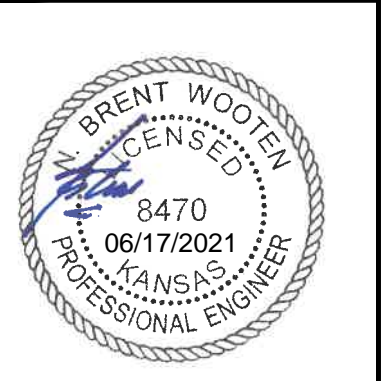
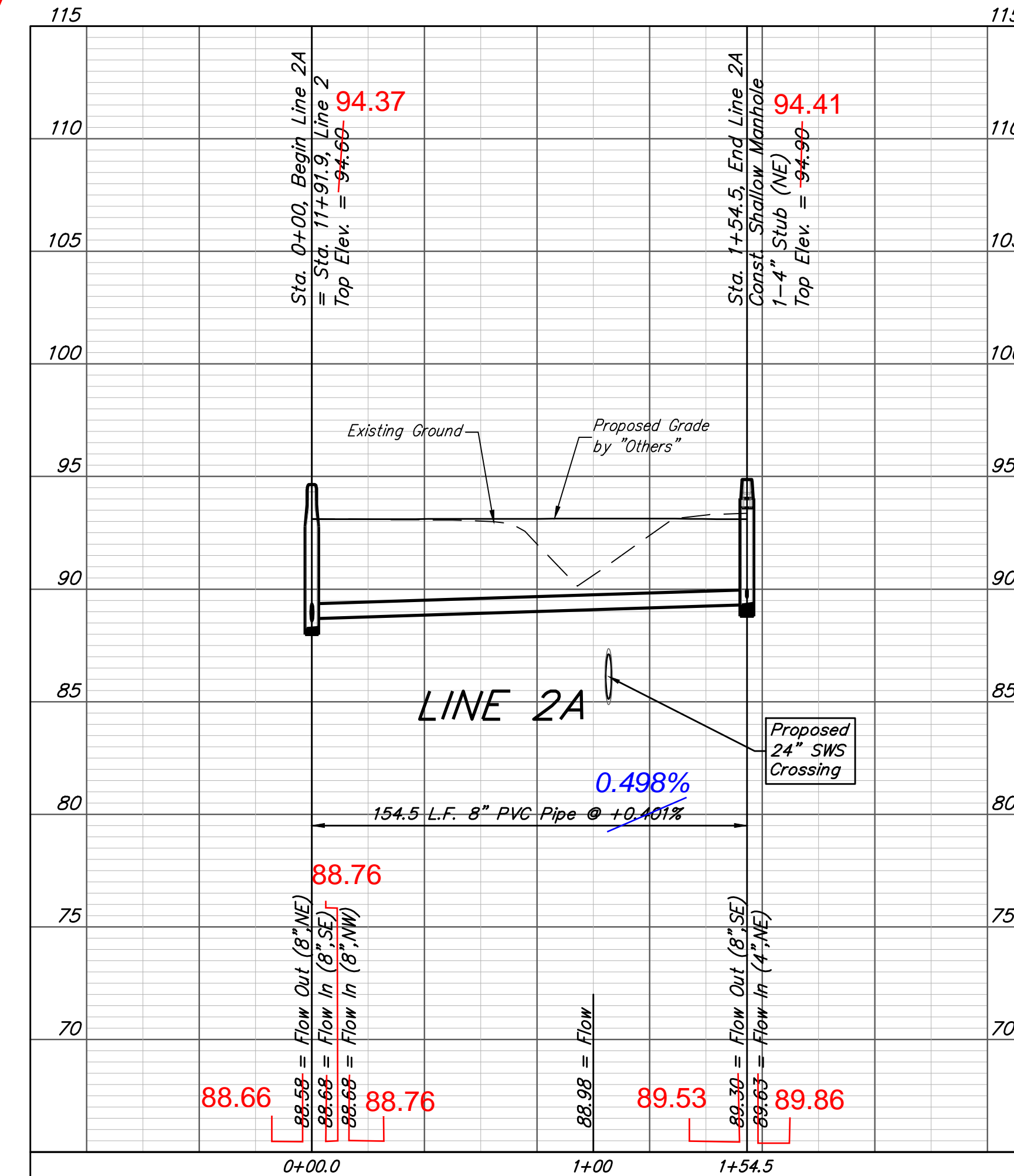
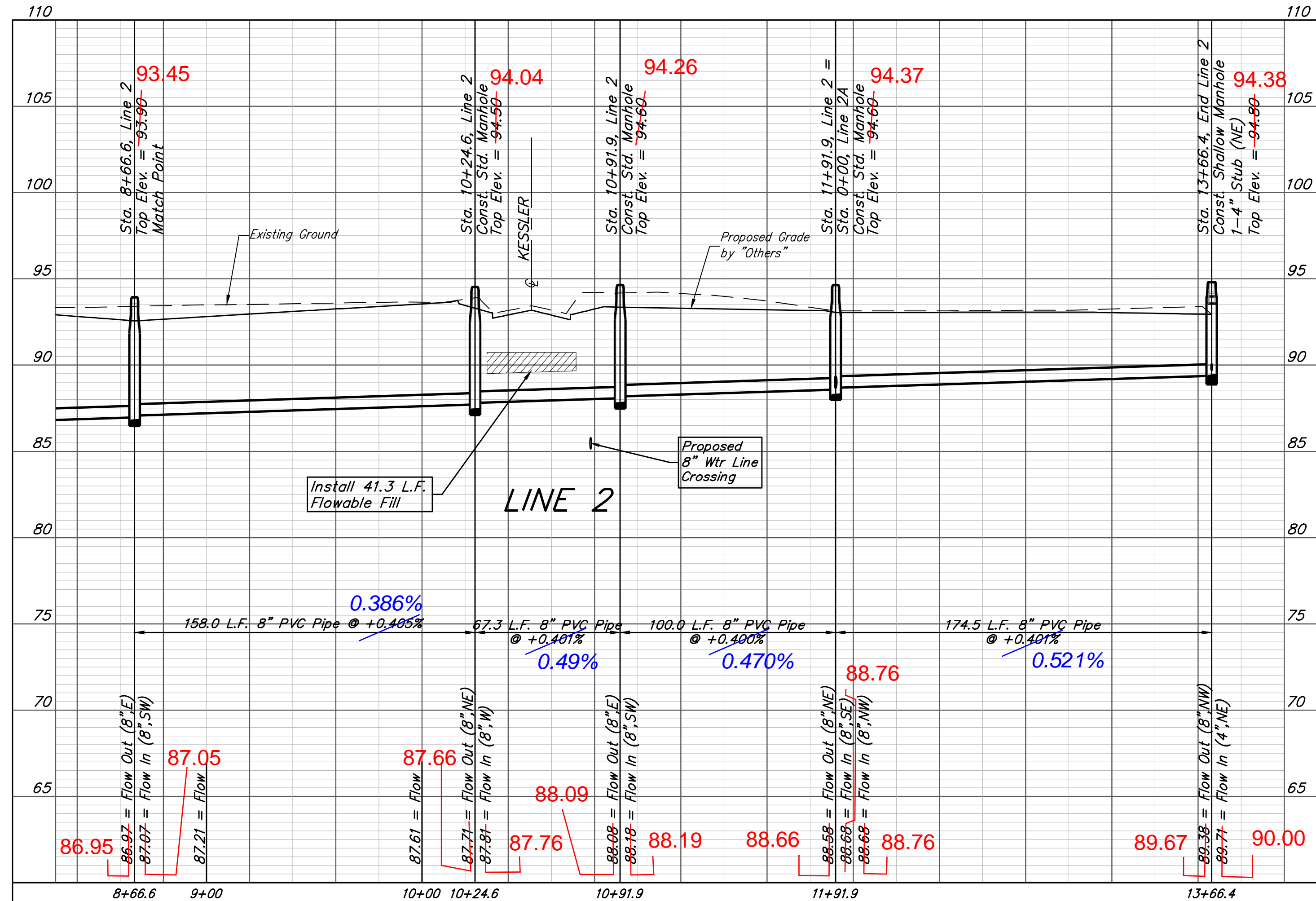
Top Elev. = 1282.06 (NAVD88)
 Top Elev. = 94.41
 N=57,898.32 E=35,007.14
 No 6" Spacer Ring in MH Stack.



SEWER SERVICE TABLE

Distance from Main to Riser	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
13' Rt.	143' SW	15' NE	8	8" X 4" Tee	15	B	2	8+82.0/Rt.	1'	13'
13' Rt.	112' SW	46' NE	9	8" X 4" Tee	15	B	2	9+13.0/Rt.	1'	13'
13' Rt.	74' SW	84' NE	10	8" X 4" Tee	16	B	2	9+51.0/Rt.	1'	13'
13' Rt.	30' SW	128' NE	11	8" X 4" Tee	16	B	2	9+95.0/Rt.	1'	13'
13' Lt.	@ mh	@ mh	12	4" Stub	26	A	2	13+66.4/Lt.	0'	13'
5' Rt.	@ mh	@ mh	13	4" Stub	23	A	2A	1+54.5/Rt.	0'	5'

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



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 LINE 2 & 2A
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 DESIGN: NBW DRAWN: CDW
 DATE: June 17, 2021
 SHEET 7 OF 21

File: E:\Projects\Angel Fire 2nd Addition_11-03-P797\Engineering\Phase 1\SS_21-02-E847\SS PLANS.dwg

BENCHMARKS:
 CITY OF WICHITA BENCHMARK DISC - SE COR. OF
 INTERSECTION OF 47TH ST. S. AND WEST STREET
 42.10' E. OF CENTERLINE
 51.00' S. OF CENTERLINE
 99.80' E. OF P.P. ON SW COR.
 23.80' S. OF P.P.
 Elev. = 92.29 CITY DATUM
 Elev. = 1280.39 NAVD29
 Elev. = 1280.85 NAVD88

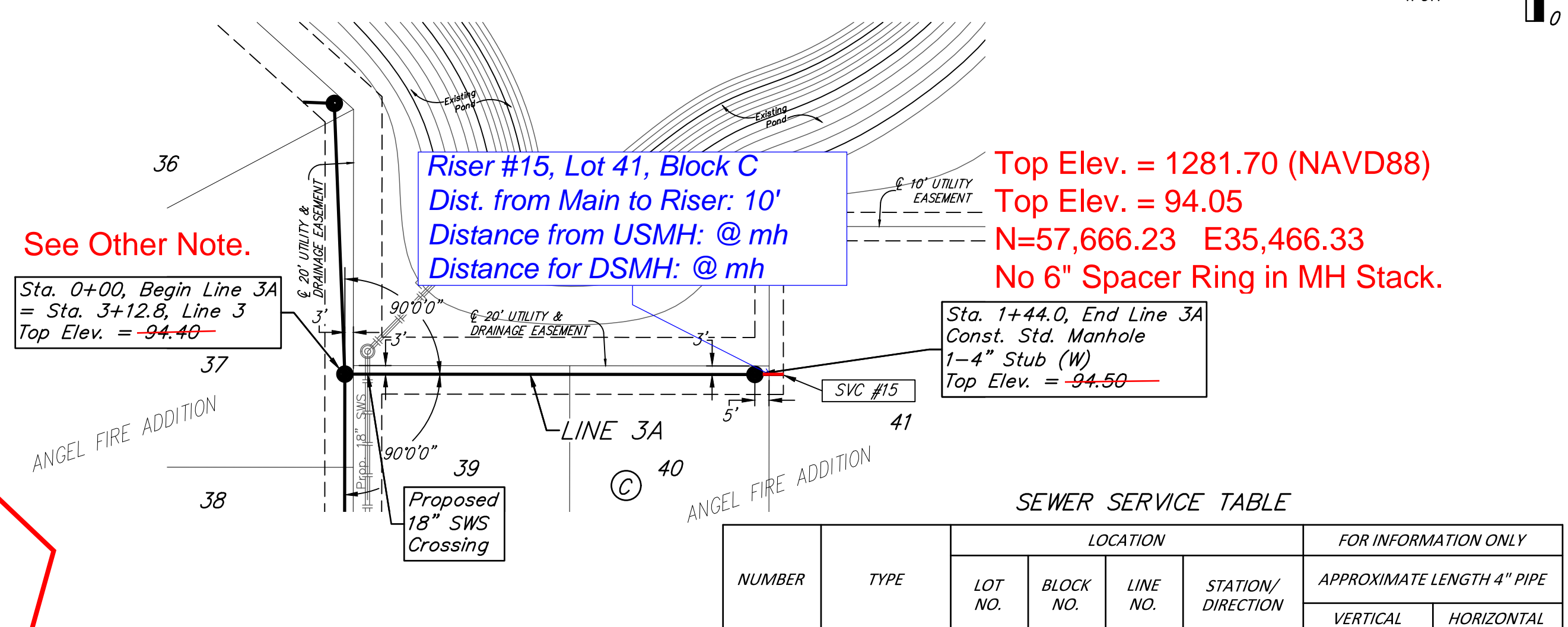
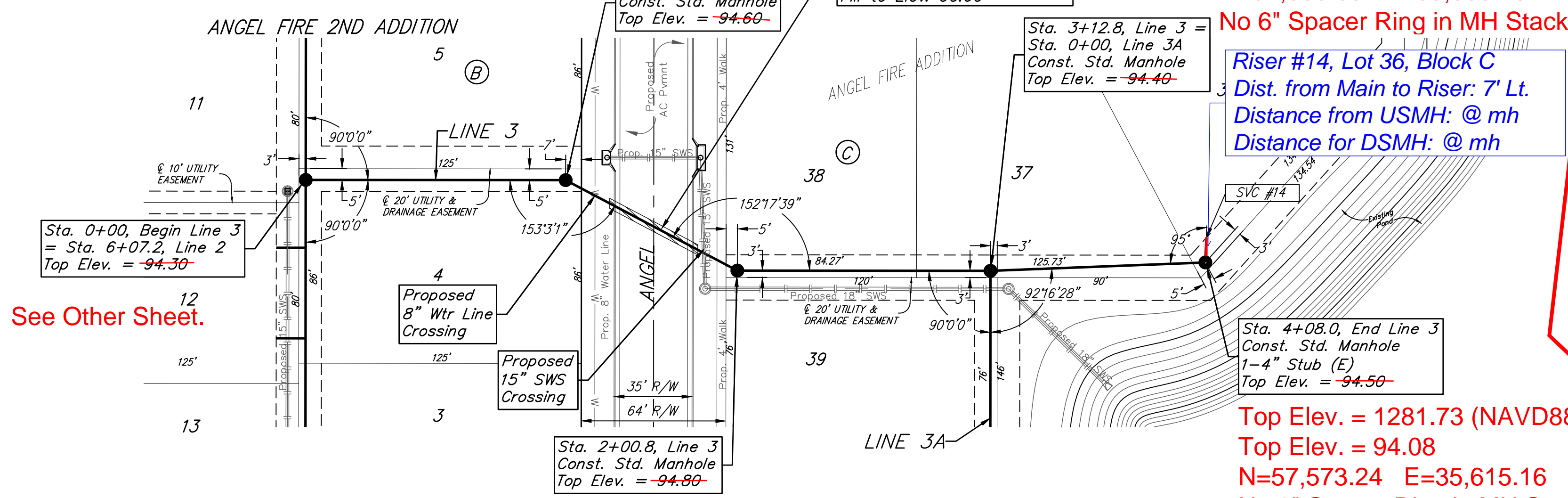
Top Elev. = 1281.36 (NAVD88)
 Top Elev. = 93.71
 N=57,857.05 E=35,647.33
 No 6" Spacer Rings in MH Stack.

Top Elev. = 1281.57 (NAVD88)
 Top Elev. = 93.92
 N=57,668.68 E=35,609.73
 No 6" Spacer Ring in MH Stack.

Riser #14, Lot 36, Block C
 Dist. from Main to Riser: 7' Lt.
 Distance from USMH: @ mh
 Distance for DSMH: @ mh

Top Elev. = 1281.73 (NAVD88)
 Top Elev. = 94.08
 N=57,573.24 E=35,615.16
 No 6" Spacer Ring in MH Stack.

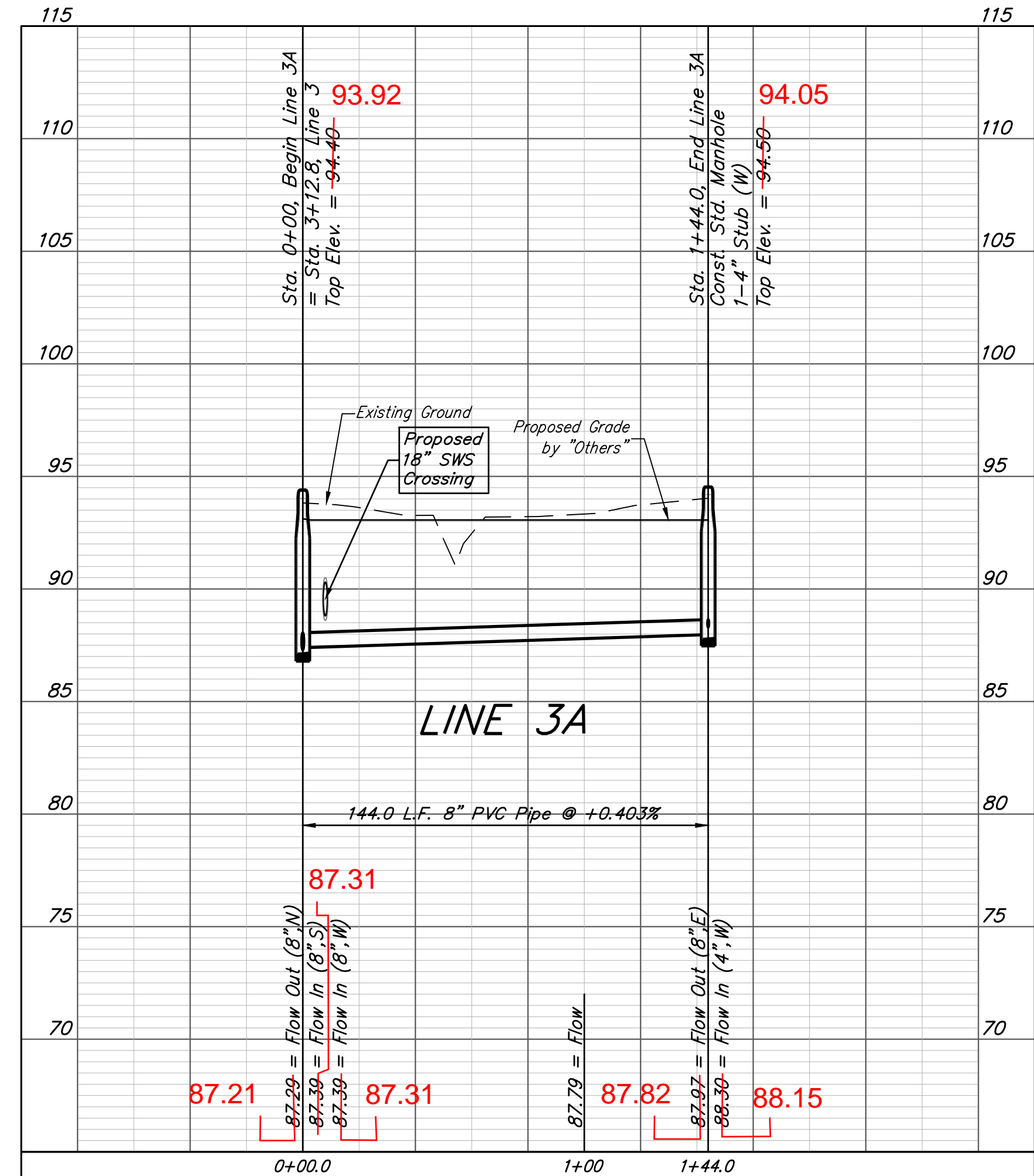
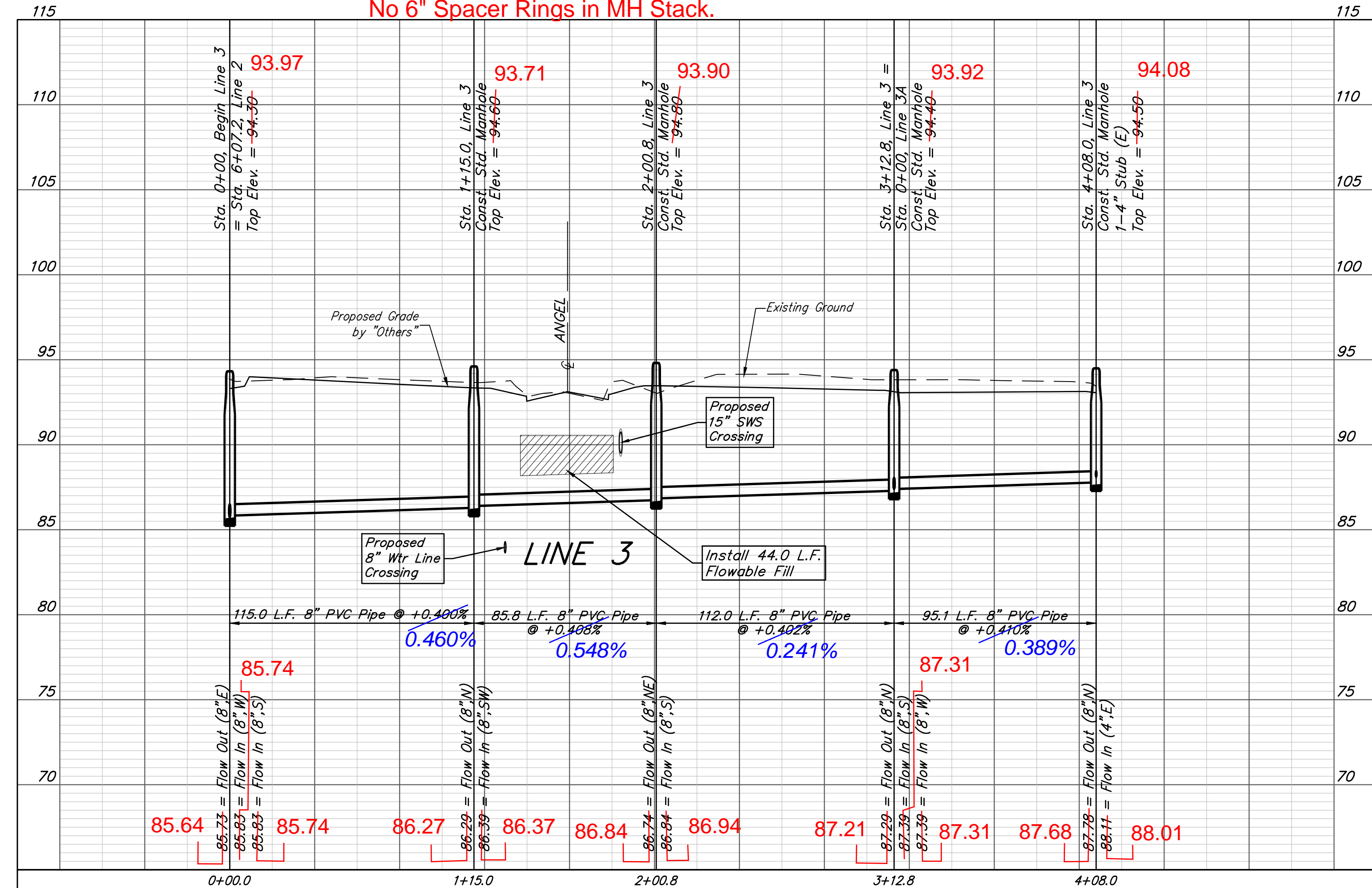
Top Elev. = 1281.70 (NAVD88)
 Top Elev. = 94.05
 N=57,666.23 E=35,466.33
 No 6" Spacer Ring in MH Stack.



SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION/DIRECTION	APPROXIMATE LENGTH 4" PIPE	
						VERTICAL	HORIZONTAL
14	4" Stub	36	C	3	3+98.5/Lt.	0'	7'
15	4" Stub	41	C	3A	1+44.0.	0'	10'

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



BAUGHMAN COMPANY
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 Wichita, KS 67211
 316-262-7271
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ANGEL FIRE
 2ND ADDITION

LINE 3 & 3A

SANITARY SEWER
 IMPROVEMENTS

PROJECT NUMBER:
 2021-009587PPS

DESIGN: NBW DRAWN: CDW

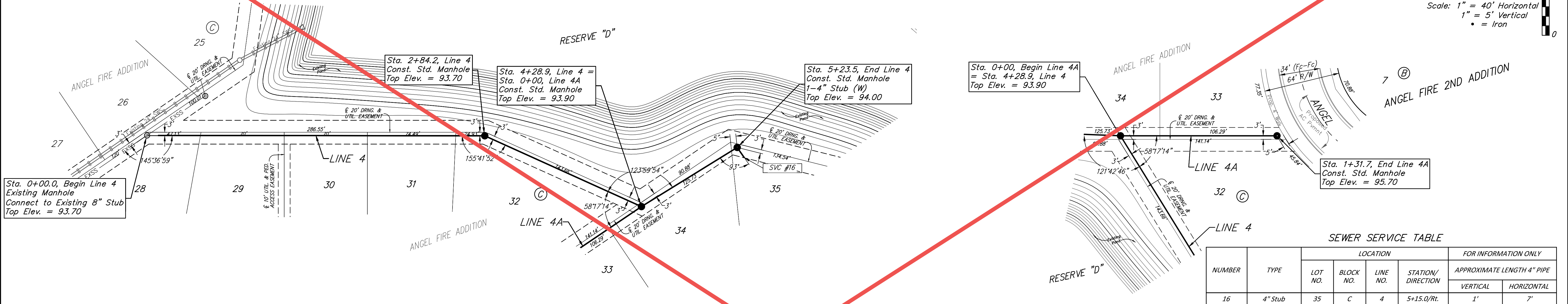
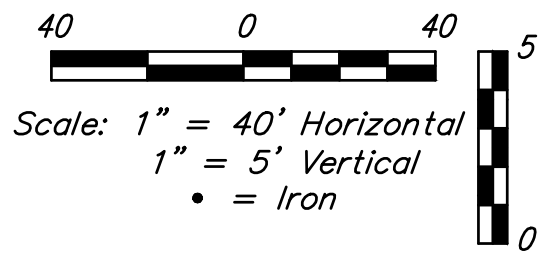
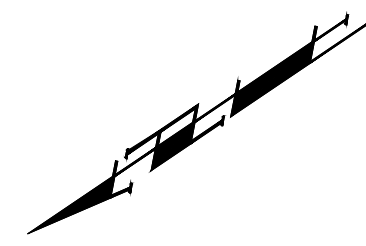
DATE: June 17, 2021

SHEET OF
8 21

File: E:\Projects\Angel Fire 2nd Addition_11-03-P797\Engineering\Phase 1\SS_21-02-E847\SS PLANS.dwg

See Revised Sheet

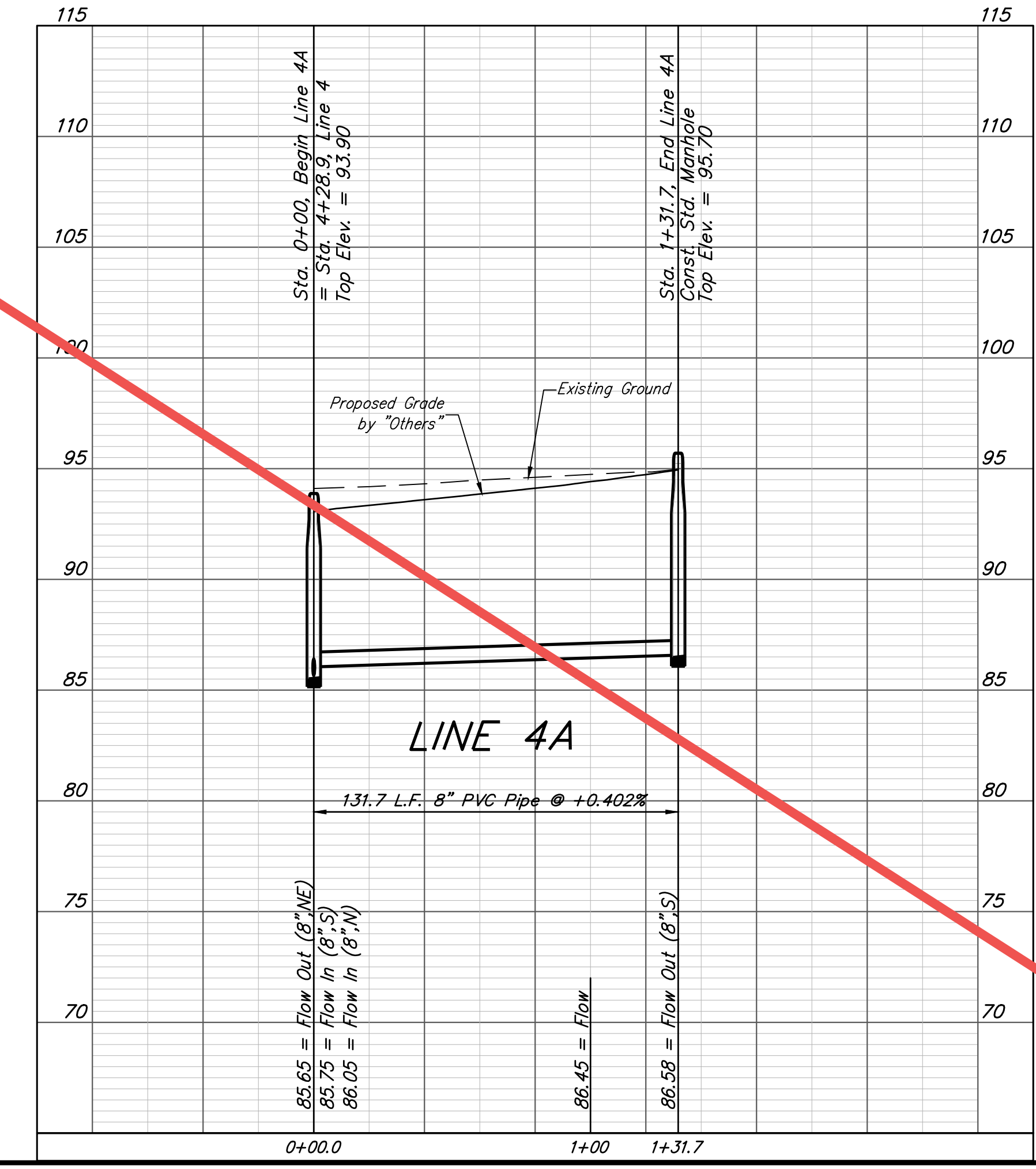
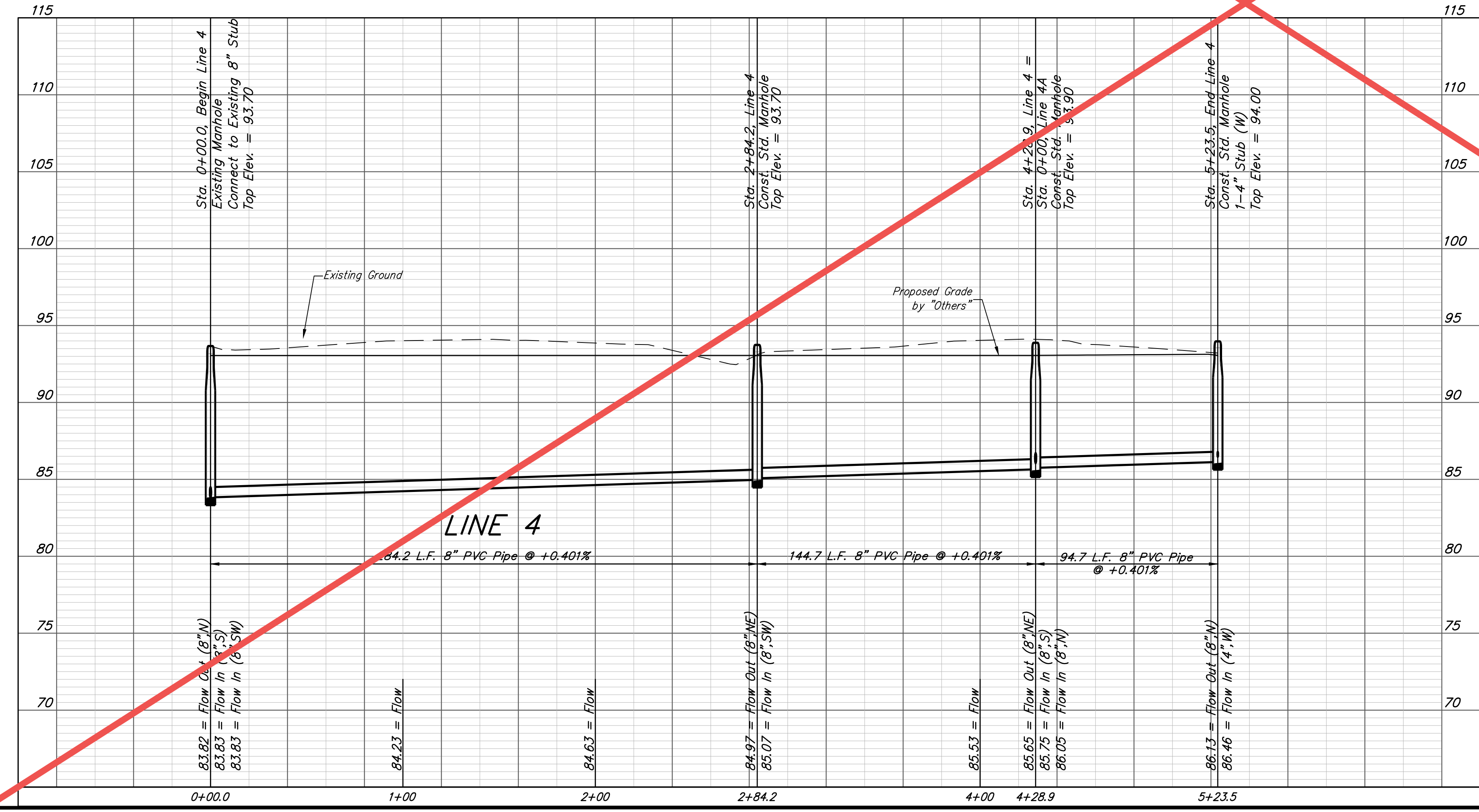
BENCHMARKS:
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 INTERSECTION OF 17TH ST. S. AND WEST STREET
 42.10' E. OF CENTERLINE
 51.00' S. OF CENTERLINE
 99.80' E. OF P.P. ON SW COR.
 23.80' S. OF P.P.
 Elev. = 92.29 CITY DATUM
 Elev. = 1280.39 NAVD29
 Elev. = 1280.85 NAVD88



SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION/DIRECTION	APPROXIMATE LENGTH 4" PIPE	
						VERTICAL	HORIZONTAL
16	4" Stub	35	C	4	5+15.0/Rt.	1'	7'

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



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ANGEL FIRE
 2ND ADDITION

LINE 4 & 4A

SANITARY SEWER
 IMPROVEMENTS

PROJECT NUMBER:
 2021-009587PPS

DESIGN: NBW DRAWN: CDW

DATE: June 17, 2021

SHEET **9** OF **21**

File: E:\Projects\Angel Fire 2nd Addition_11-03-P197\Engineering\Phase 1\SS_21-02-E847\SS PLANS.dwg

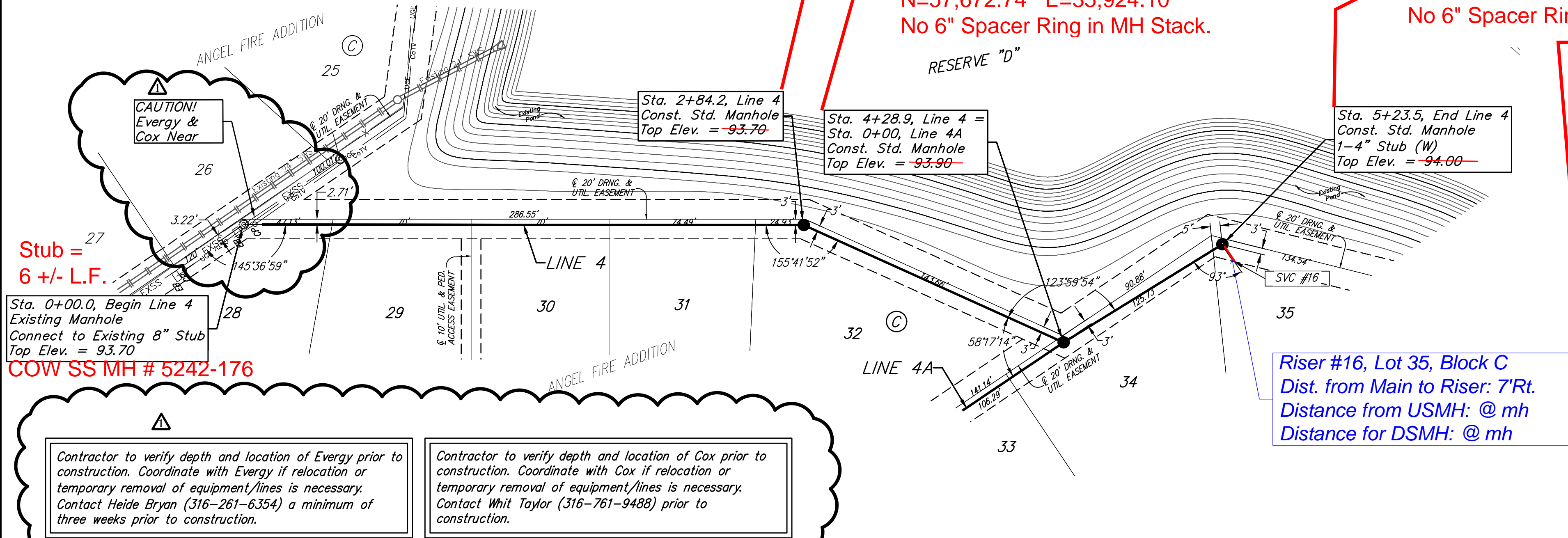
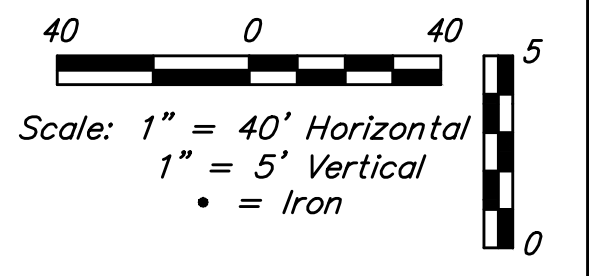
BENCHMARKS:
 CITY OF WICHITA BENCHMARK DISC - SE COR. OF
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 23.80' S. OF P.P.
 Elev. = 92.29 CITY DATUM
 Elev. = 1280.39 NAVD29
 Elev. = 1280.85 NAVD88

Top Elev. = 1281.12 (NAVD88)
 Top Elev. = 93.47
 N=57,750.43 E=36,046.06
 1 - 6" Spacer Ring in MH Stack.

Top Elev. = 1281.34 (NAVD88)
 Top Elev. = 93.69
 N=57,672.74 E=35,924.10
 No 6" Spacer Ring in MH Stack.

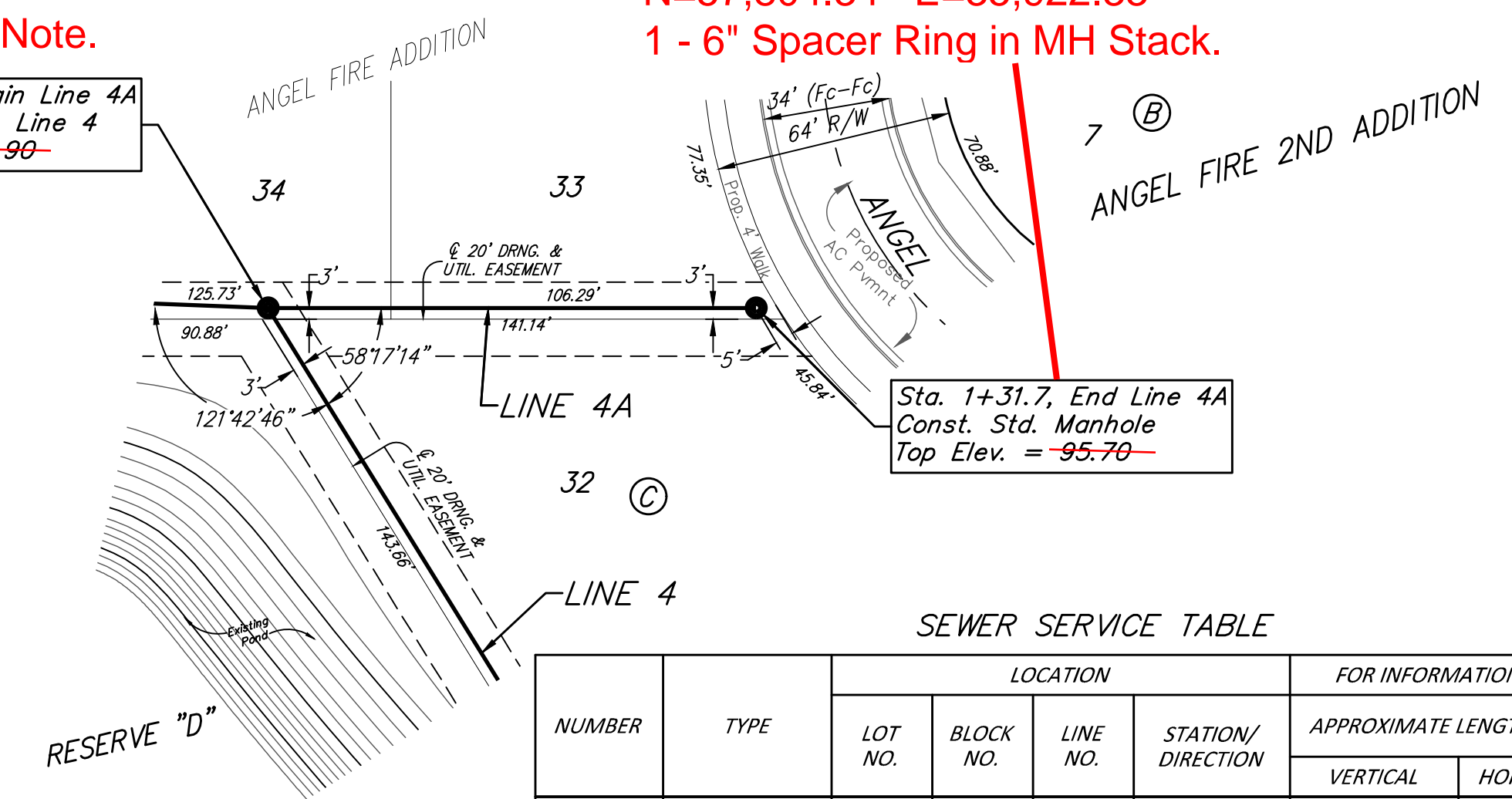
Top Elev. = 1281.38 (NAVD88)
 Top Elev. = 93.73
 N=57,578.30 E=35,921.66
 No 6" Spacer Ring in MH Stack.

Top Elev. = 1282.92 (NAVD88)
 Top Elev. = 95.27
 N=57,804.34 E=35,922.33
 1 - 6" Spacer Ring in MH Stack.



See Other Note.

Sta. 0+00, Begin Line 4A
 = Sta. 4+28.9, Line 4
 Top Elev. = ~~93.90~~



SEWER SERVICE TABLE

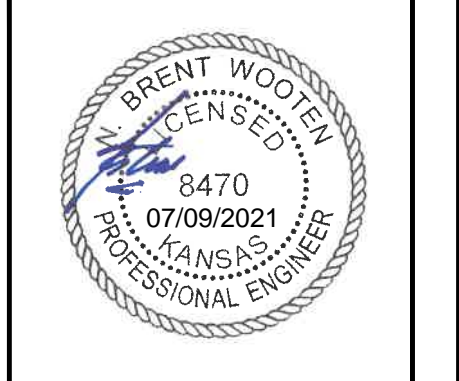
NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION/DIRECTION	APPROXIMATE LENGTH 4" PIPE VERTICAL	HORIZONTAL
16	4" Stub	35	C	4	5+15.0/Rt.	1'	7'

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

Contractor to verify depth and location of Every prior to construction. Coordinate with Every if relocation or temporary removal of equipment/lines is necessary. Contact Heide Bryan (316-261-6354) a minimum of three weeks prior to construction.

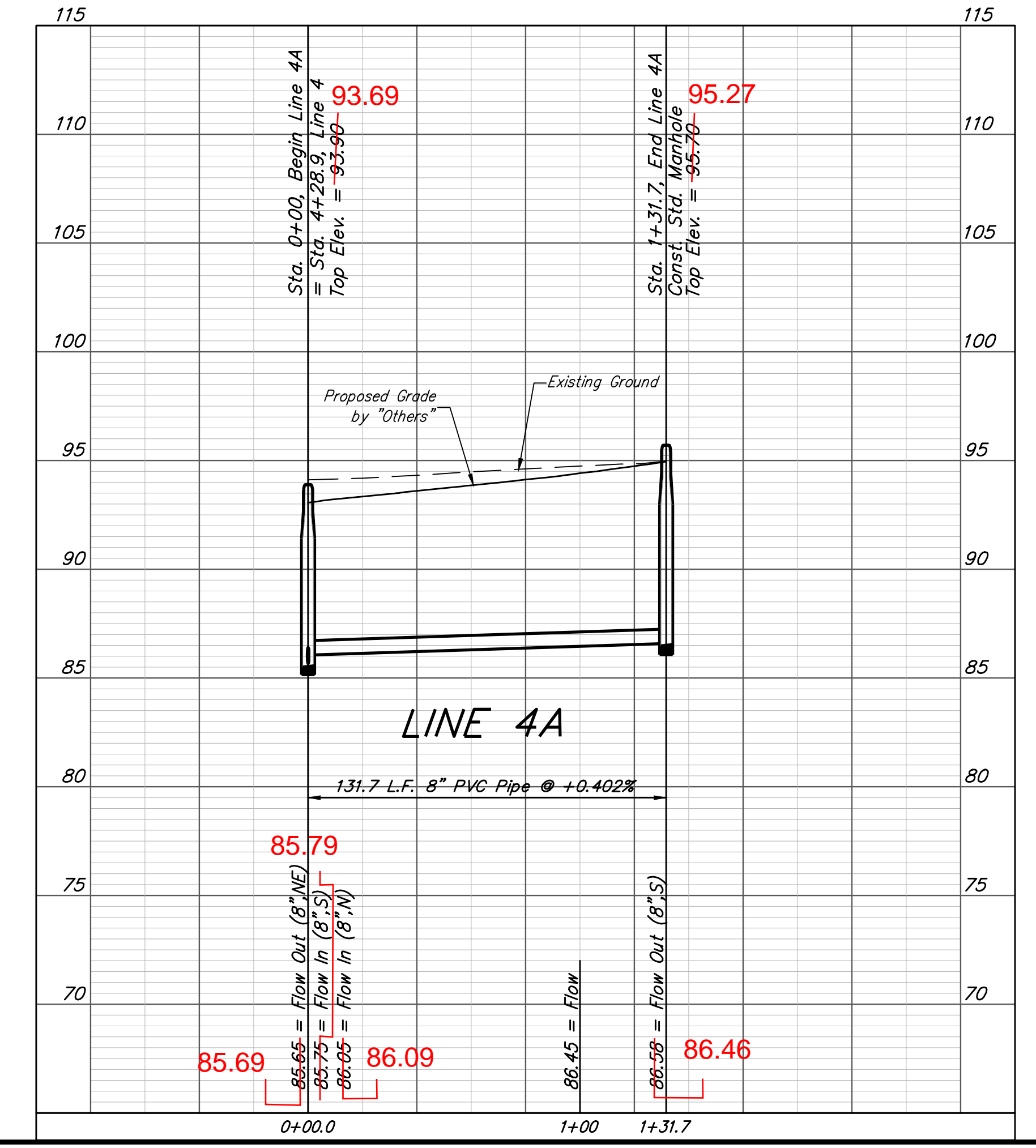
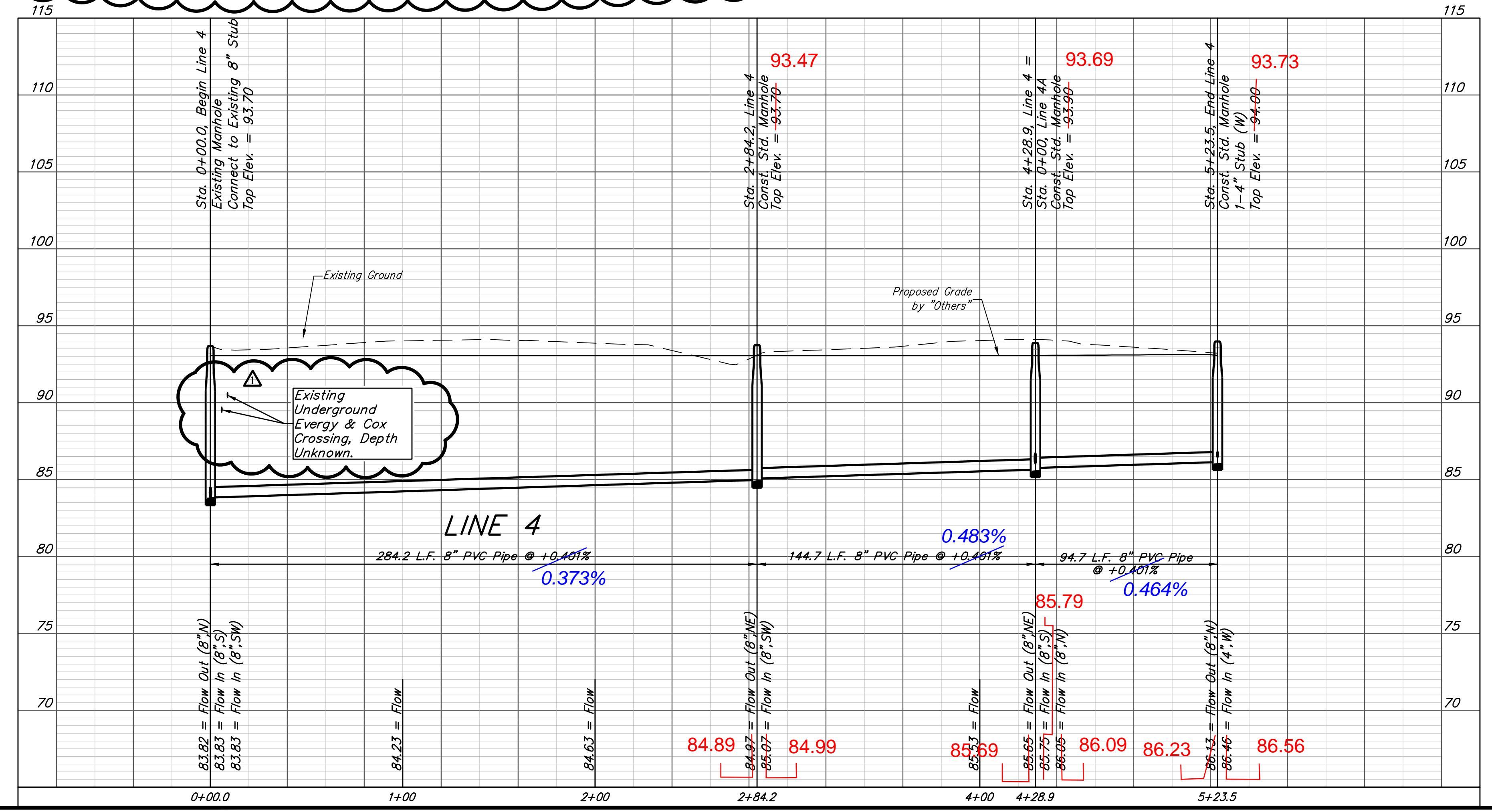
Contractor to verify depth and location of Cox prior to construction. Coordinate with Cox if relocation or temporary removal of equipment/lines is necessary. Contact Whit Taylor (316-761-9488) prior to construction.

REVISIONS:
 Existing Utilities Near



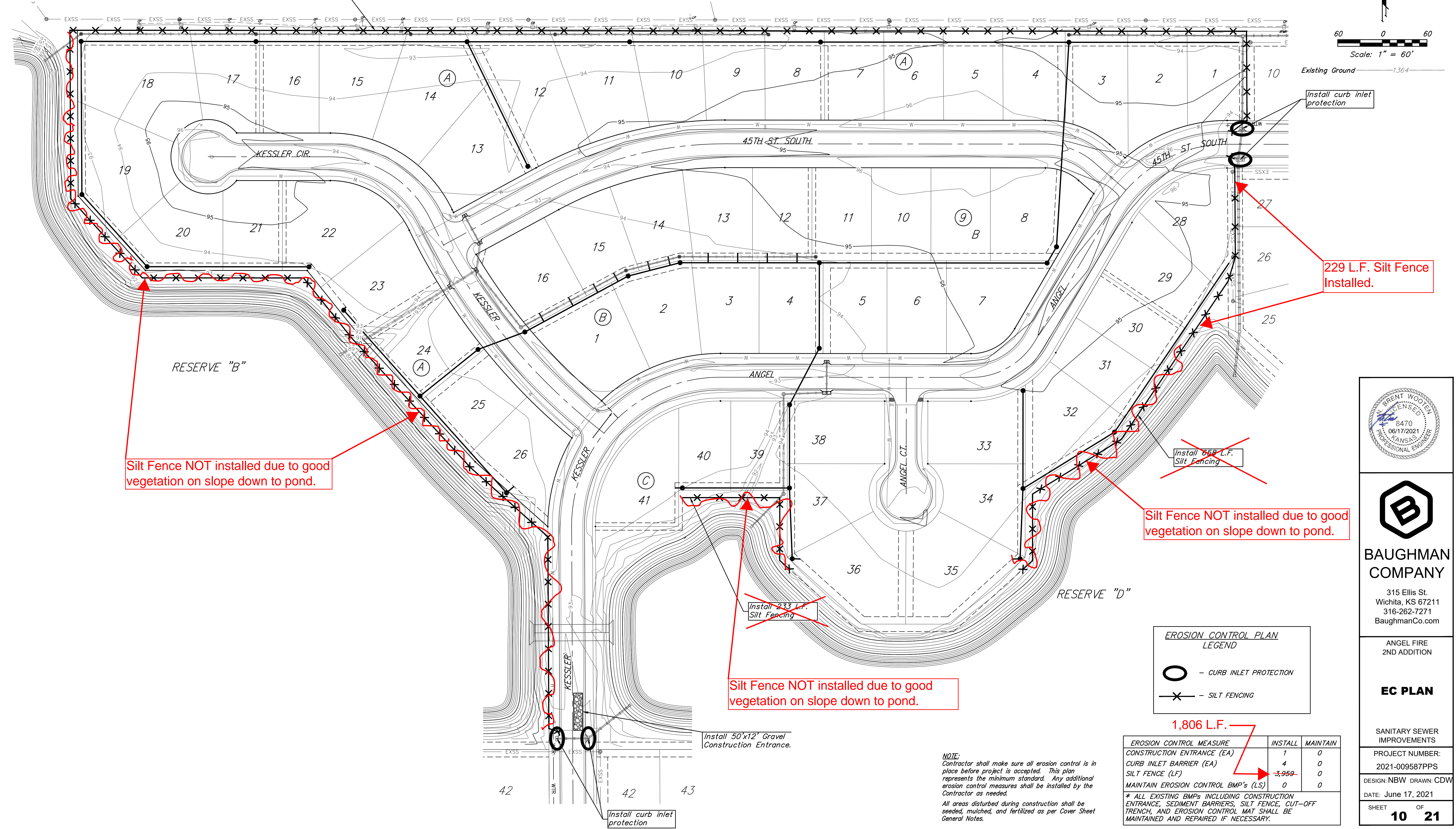
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 Wichita, KS 67211
 316-262-7271
 BaughmanCo.com

ANGEL FIRE 2ND ADDITION
 LINE 4 & 4A
 SANITARY SEWER IMPROVEMENTS
 PROJECT NUMBER:
 2021-009587PPS
 DESIGN: NBW DRAWN: CDW
 DATE: July 9, 2021
 SHEET 9 OF 21



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BENCHMARKS:
 CITY OF WICHITA BENCHMARK DISC - SE COR. OF
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 Elev. = 92.29 CITY DATUM
 Elev. = 1280.39 NAVD29
 Elev. = 1280.85 NAVD88



Silt Fence NOT installed due to good vegetation on slope down to pond.

229 L.F. Silt Fence Installed.

Silt Fence NOT installed due to good vegetation on slope down to pond.

Silt Fence NOT installed due to good vegetation on slope down to pond.

EROSION CONTROL PLAN LEGEND

- CURB INLET PROTECTION
- SILT FENCING

1,806 L.F.

EROSION CONTROL MEASURE	INSTALL	MAINTAIN
CONSTRUCTION ENTRANCE (EA)	1	0
CURB INLET BARRIER (EA)	4	0
SILT FENCE (LF)	3,959	0
MAINTAIN EROSION CONTROL BMP's (LS)	0	0

* ALL EXISTING BMPs INCLUDING CONSTRUCTION ENTRANCE, SEDIMENT BARRIERS, SILT FENCE, CUT-OFF TRENCH, AND EROSION CONTROL MAT SHALL BE MAINTAINED AND REPAIRED IF NECESSARY.

NOTE:
 Contractor shall make sure all erosion control is in place before project is accepted. This plan represents the minimum standard. Any additional erosion control measures shall be installed by the Contractor as needed.
 All areas disturbed during construction shall be seeded, mulched, and fertilized as per Cover Sheet General Notes.



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ANGEL FIRE 2ND ADDITION
EC PLAN
 SANITARY SEWER IMPROVEMENTS
 PROJECT NUMBER:
 2021-009587PPS
 DESIGN: NBW DRAWN: CDW
 DATE: June 17, 2021
 SHEET OF
10 21

File: E:\Projects\Angel Fire 2nd Addition_11-03-P797\Engineering\Phase 1\SS_21-02-E847\SS PLANS.dwg