

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
 Energy 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.
- All elevations shown are NAVD 88.
- 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 connection to an existing manhole that does not have an existing stub, the Contractor shall core cut into existing manhole wall to make connection using approved water stop gasket, and reshape the existing manhole invert to provide smooth flow. The cost of connect to existing manholes is incidental to the project.
- 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 protect from damage and support existing utilities through construction as approved by the utility owner and the Engineer at the contractor's expense.
- Contractor shall grade around exposed manholes at a 1:1 slope. Manholes set lower than existing grade shall have a 9" berm constructed around manhole to prevent infiltration into sanitary sewer system. Cost of dirt, labor, equipment, etc. to be incidental to cost of manhole. Easements shall be graded with the street improvement project as part of the mass grading plan.
- All disturbed areas are to be seeded as follows:
 Seed -- Rye grass; 5 lbs./1000 Sq. Ft.
 All costs associated with seeding including mobilization, preparation of ground, seeding, fertilizing, mulching, etc. shall be included in the L.S. bid item "Seeding".
- All existing and proposed erosion control measures including silt fencing, erosion control mat, straw bales, inlet barriers, and const. entrance shall be maintained throughout construction by the contractor and until project is accepted by the City of Wichita. The on-site engineer shall complete weekly reports on the status of erosion control measures. The contractor shall be required to comply with maintenance and/or replacement of erosion control measures as determined by the on-site engineer until project is accepted by City of Wichita. Maintenance and/or replacement of erosion control measures to be paid by L.S. bid item "Maintain Existing BMPs".
- All excess excavation shall remain on-site and shall be stockpiled or spread at a location determined by the engineer.
- The developers for this project are Nick Cowgill, 2PDS LLC, 10333 E. 21st St. N. #303, Wichita KS 67206, (316)641-0737 nick.cowgill@neshomes.com and Auburn Villas LLC, Jay W. Russell, Manager, P.O. Box 75337, Wichita, KS 67272, (316)722-2417 jrussellco.com

Benchmarks

BM #1: Chiseled cross on top of catch basin, 174.1' E. & 35.2' N. of the NW Corner of Lot 1, Block A, Dugan West Kellogg Commercial 2nd Addition. Elev. = 1332.69 NAVD88

BM #2: Chiseled cross on top of catch basin, 179.8' W. & 30.0' N. of the NE Corner of Lot 54, Block A, Dugan West Kellogg Commercial 2nd Addition. Elev. = 1327.03 NAVD88

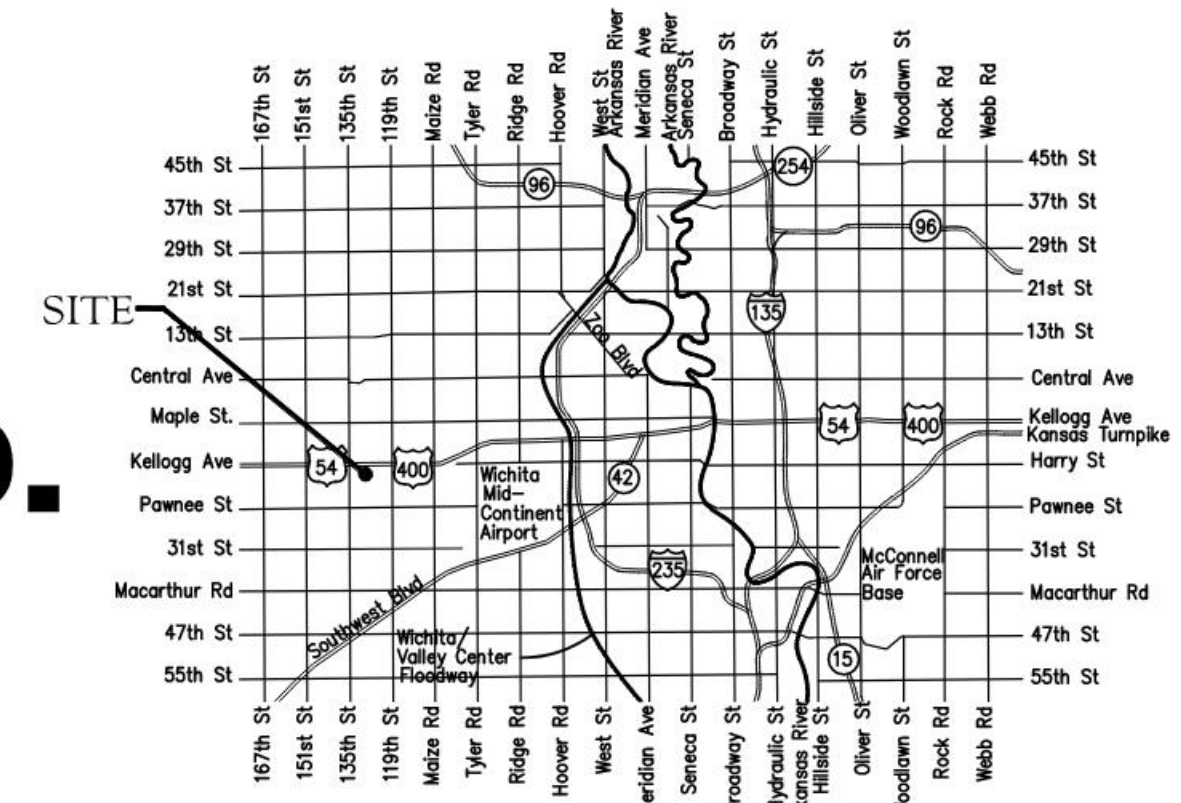
SANITARY SEWER IMPROVEMENTS to serve DUGAN WEST KELLOGG COMMERCIAL 2ND & 3RD ADD.

CITY OF WICHITA, KANSAS

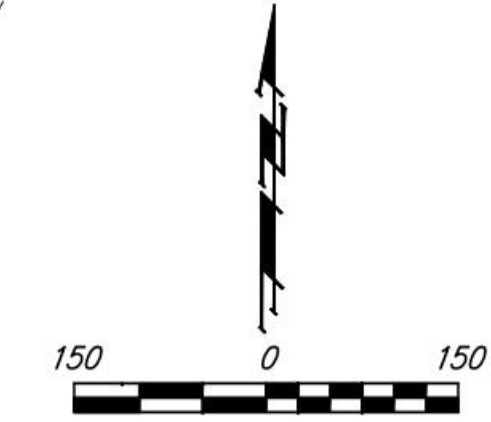
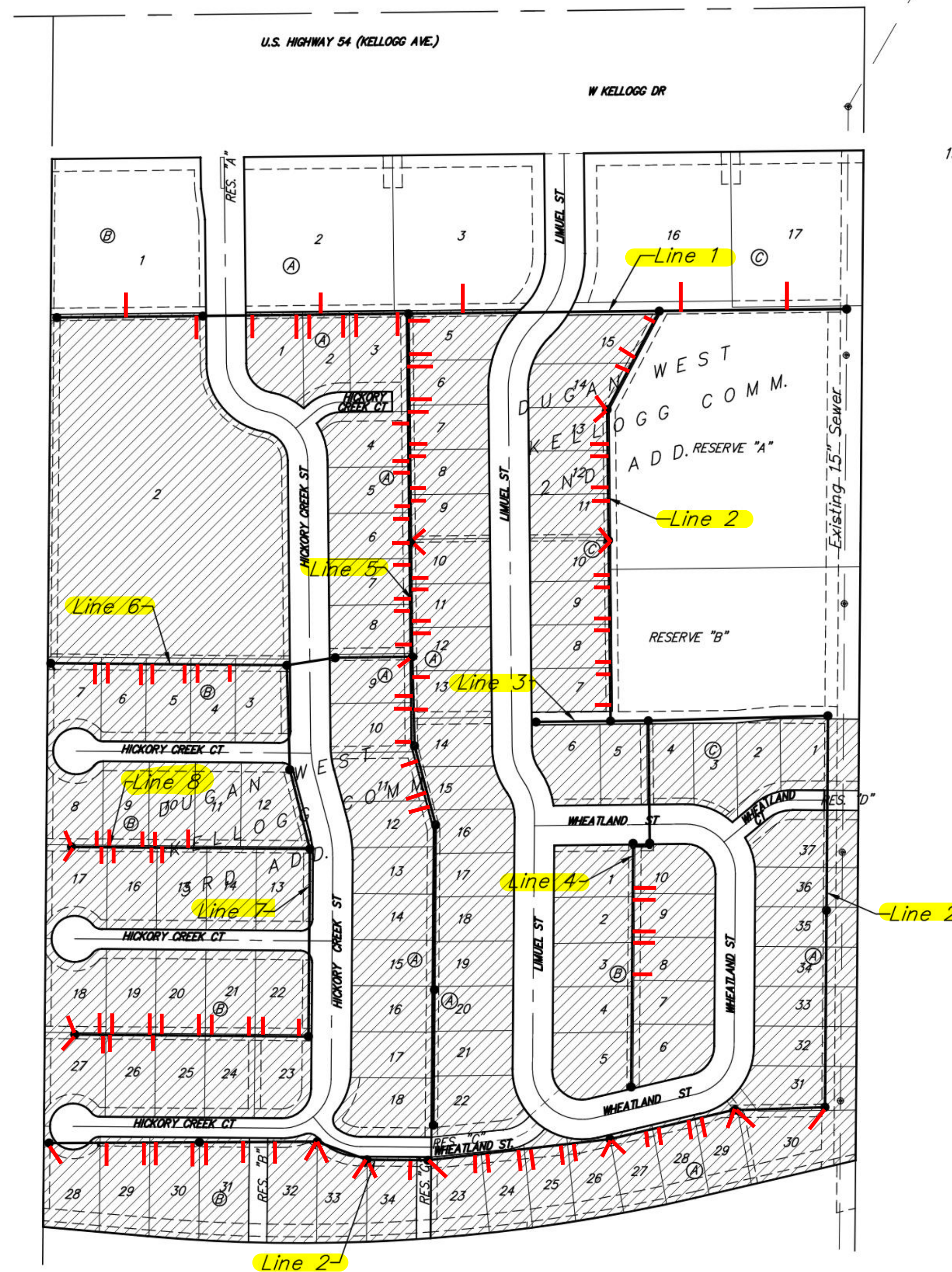
Gary Janzen, P.E. City Engineer
Project Number 468-2020-025952

Org Code 47263120
Munis Number E0103

Nowak Construction - Contractor
K. Kerns - City of Wichita, Field Project Engineer
E. Flores - City of Wichita, Inspector
As-built
Stubs & Risers
Release Date (for connection purposes only): 5/3/2022
Completion Date:
pdf: apr 12/5/2022



Vicinity Map



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APPROVED AS NOTED
BY WICHITA PUBLIC WORKS ENGINEERING DIVISION
 Engineering *Matthew L. Smith*
 An approved copy of these plans signed by City staff are required on-site.



December 14, 2021

Benefit District

BAUGHMAN COMPANY
315 Ellis St. Wichita, KS 67211 316-262-7271
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Sanitary Sewer Riser Location Table

Project Name: Dugan W Kellogg Commercial 2nd & 3rd Add

Project Location: W of 119th St, S of Kellogg Dr

Project No.: 468-2020-025952

OCA No.: 47263120 / E0103

Contractor: Nowak

Inspector: Eddie Flores

Riser No.	Line No.	Station	Distance from Main to Riser (Lt./Rt.)	Distance from	
				Upstream MH	Downstream MH
1	1	0+97	RT 15'	204.0	97.0
2	1	2+67	RT 15'	34.0	267.0
3	1	6+18	RT 15'	87.0	317.0
4	1	7+23	LT 5'	313.0	17.0
5	1	7+90	LT 5'	246.0	85.0
6	1	8+10	LT 5'	226.0	105.0
7	1	8+47	RT 15'	189.0	142.0
8	1	8+65	LT 5'	171.0	160.0
9	1	8+85	LT 5'	151.0	180.0
10	1	9+56	LT 5'	80.0	251.0
11	1	10+46	LT 7.8'	225.0	10.0
12	1	11+60	RT 15'	111.0	124.0
13	2	0+19	RT 7'	160.0	19.0
14	2	0+84	RT 7'	95.0	84.0
15	2	1+08	RT 7'	71.0	108.0
16	2	1+79	RT 7'	211.0	MH
17	2	1+79	RT 7'	211.0	MH
18	2	2+35	RT 7'	155.0	56.0
19	2	2+55	RT 7'	135.0	76.0
20	2	3+05	RT 7'	85.0	126.0
21	2	3+25	RT 7'	65.0	146.0
22	2	3+90	RT 7'	290.0	MH
23	2	3+90	RT 7'	290.0	MH
24	2	4+45	RT 7'	235.0	55.0
25	2	4+65	RT 7'	215.0	75.0
26	2	5+15	RT 7'	165.0	125.0
27	2	5+35	RT 7'	145.0	145.0
28	2	5+85	RT 7'	95.0	195.0
29	2	6+05	RT 7'	75.0	215.0
30	2	6+55	RT 7'	25.0	265.0
31	2	16+60	LT 18'	150.0	MH
32	2	18+10	LT 24'	201.0	MH
33	2	18+10	LT 12'	201.0	MH

Sanitary Sewer Riser Location Table

34	2	18+62	LT 11'	149.0	52.0
35	2	18+82	LT 11'	129.0	72.0
36	2	19+32	LT 11'	79.0	122.0
37	2	19+52	LT 11'	59.0	142.0
38	2	20+11	LT 13'	295.0	MH
39	2	20+11	LT 13'	295.0	MH
40	2	20+70	LT 16.6'	236.0	59.0
41	2	20+90	LT 16.6'	216.0	79.0
42	2	21+40	LT 15.7'	166.0	129.0
43	2	21+60	LT 15.7'	146.0	149.0
44	2	22+10	LT 14.7'	96.0	199.0
45	2	22+30	LT 14.7'	76.0	219.0
46	2	23+06	LT 19.6'	98.0	MH
47	2	23+34	LT 10'	70.0	28.0
48	2	24+04	LT 10.6'	86.0	MH
49	2	24+04	LT 10.6'	86.0	MH
50	2	24+90	LT 22.9'	189.0	MH
51	2	24+90	LT 10.7'	189.0	MH
52	2	25+59	LT 8.9'	120.0	69.0
53	2	26+09	LT 8.2'	70.0	119.0
54	2	26+69	LT 7.1'	10.0	179.0
55	2	26+89	LT 7.1'	232.0	10.0
56	2	27+49	LT 6.0'	172.0	70.0
57	2	27+69	LT 6.0'	152.0	90.0
58	2	28+29	LT 5.2'	92.0	150.0
59	2	28+42	LT 5.2'	79.0	163.0
60	2	29+21	LT 13.5'	MH	242.0
61	4	3+04	LT 13'	311.0	76.0
62	4	3+24	LT 13'	291.0	96.0
63	4	3+64	LT 13'	251.0	136.0
64	4	3+84	LT 13'	231.0	156.0
65	4	4+34	LT 13'	181.0	206.0
66	5	0+10	LT 7'	358.0	10.0
67	5	0+75	LT 7'	293.0	75.0
68	5	0+85	LT 7'	283.0	85.0
69	5	1+47	LT 7'	221.0	147.0
70	5	1+57	LT 7'	211.0	157.0
71	5	1+77	RT 13'	191.0	177.0
72	5	2+19	LT 7'	149.0	219.0
73	5	2+29	LT 7'	139.0	229.0
74	5	2+46	RT 13'	122.0	246.0
75	5	2+56	RT 13'	112.0	256.0
76	5	2+91	LT 7'	77.0	291.0
77	5	3+01	LT 7'	67.0	301.0
78	5	3+10	RT 13'	58.0	310.0
79	5	3+30	RT 13'	38.0	330.0
80	5	3+68	RT 13'	184.0	MH
81	5	3+68	RT 13'	184.0	MH
82	5	3+68	LT 7'	184.0	MH
83	5	4+04	RT 13'	148.0	36.0
84	5	4+35	LT 7'	117.0	67.0
85	5	4+45	LT 7'	107.0	77.0
86	5	4+68	RT 13'	84.0	100.0
87	5	4+78	RT 13'	74.0	110.0
88	5	4+95	LT 7'	57.0	127.0
89	5	5+15	LT 7'	37.0	147.0
90	5	5+32	RT 13'	20.0	167.0
91	5	5+52	LT 7'	143.0	MH
92	5	5+52	LT 7'	143.0	MH

BENCHMARKS:
 BM #1: Chiseled cross on top of catch basin, 174.1' E. & 35.2' N. of the NW Corner of Lot 1, Block A, Dugan West Kellogg Commercial 2nd Addition. Elev. = 1332.69 NAVD88

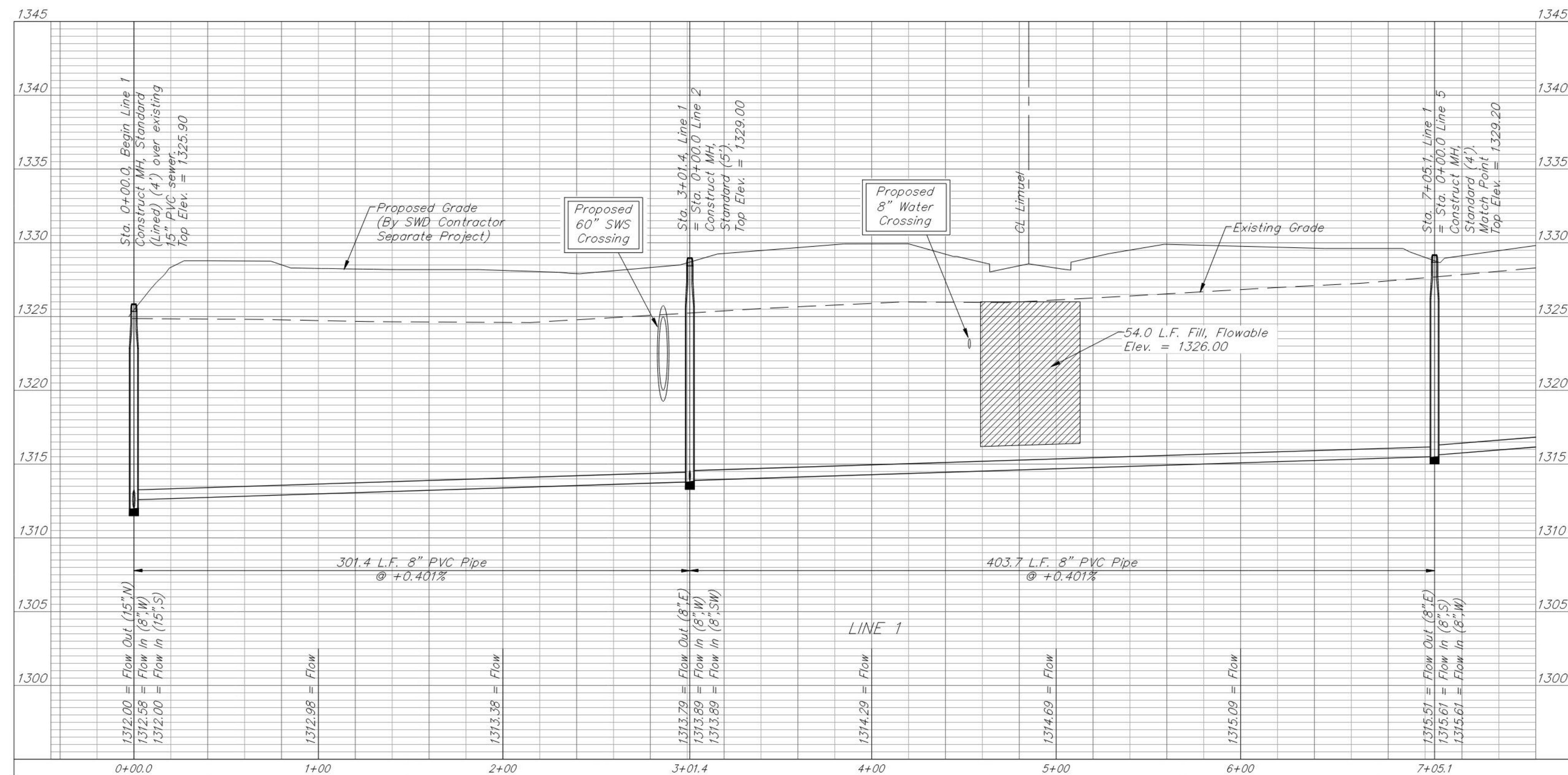
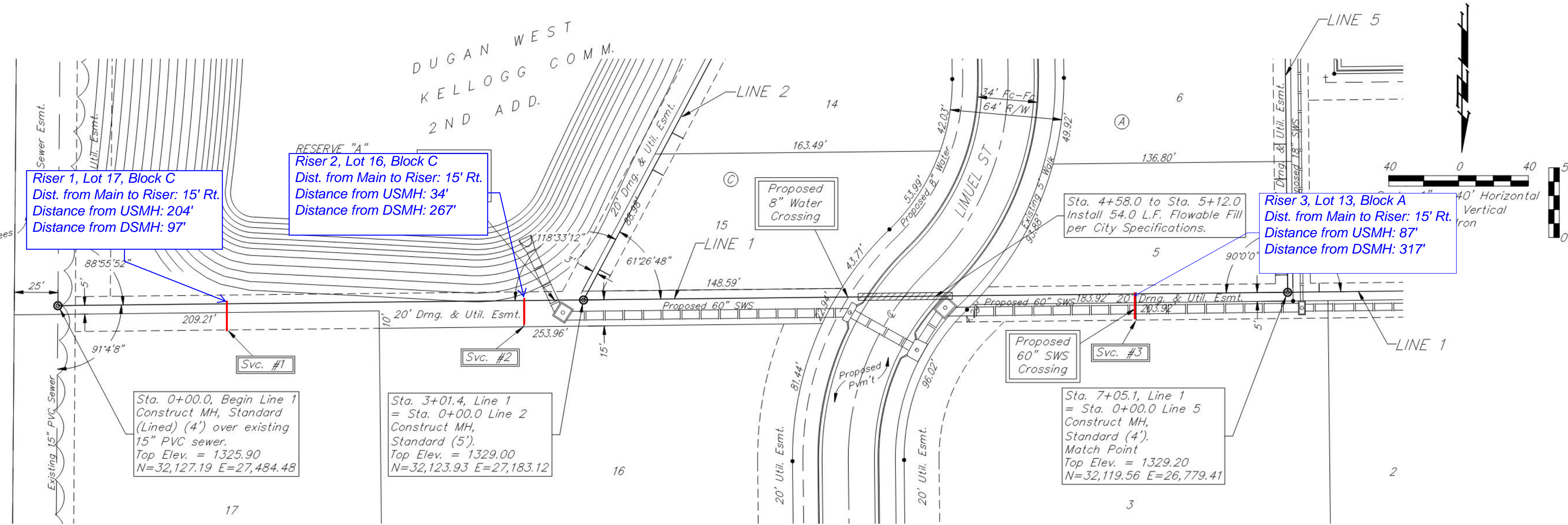
BM #2: Chiseled cross on top of catch basin, 179.8' W. & 30.0' N. of the NE Corner of Lot 54, Block A, Dugan West Kellogg Commercial 2nd Addition. Elev. = 1327.03 NAVD88

UNPLATTED

SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION			FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION \ DIRECTION	APPROXIMATE LENGTH 4" PIPE
1	8" X 4" Tee W/Riser	17	C	1	0+97.0/Rt.	11.5' 15.0'
2	8" X 4" Tee W/Riser	16	C	1	2+67.0/Rt.	10.5' 15.0'
3	8" X 4" Tee W/Riser	3	A	1	6+18.0/Rt.	10.5' 15.0'

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



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

DUGAN WEST KELLOGG COMM. 2ND & 3RD ADD.

LINE 1

SANITARY SEWER IMPROVEMENTS
 PROJECT NUMBER: 20-08-E679
 DESIGN: AEG DRAWN: TMS
 DATE: December 14, 2021
 SHEET 2 OF 28

E:\Projects\Dugan West Kellogg Commercial 2nd(Russell Duplexes)_20-04-P543(Engineering)\Phase 1\SS 20-08-E679\SS Revised.dwg

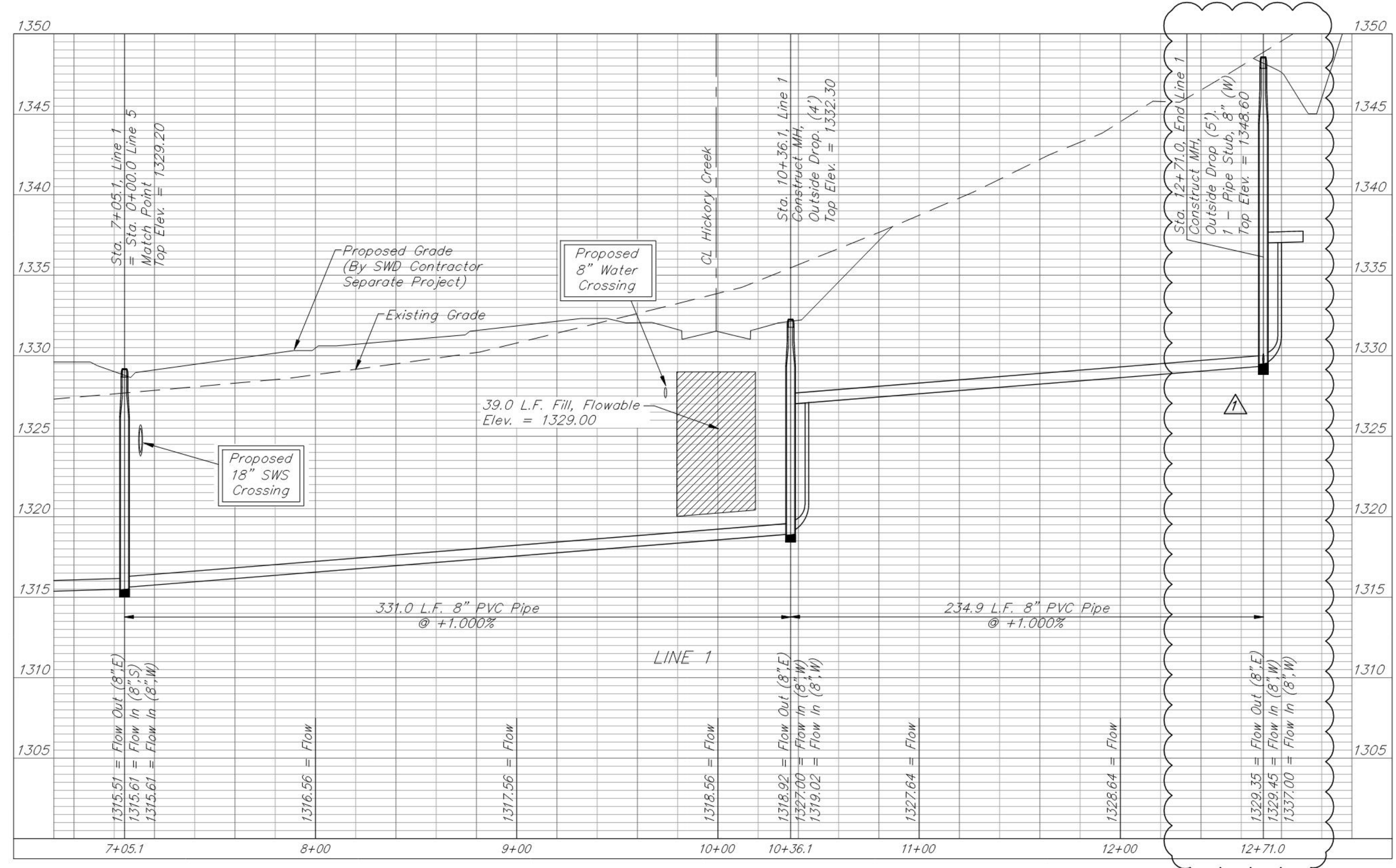
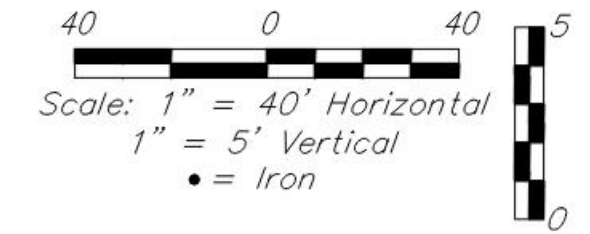
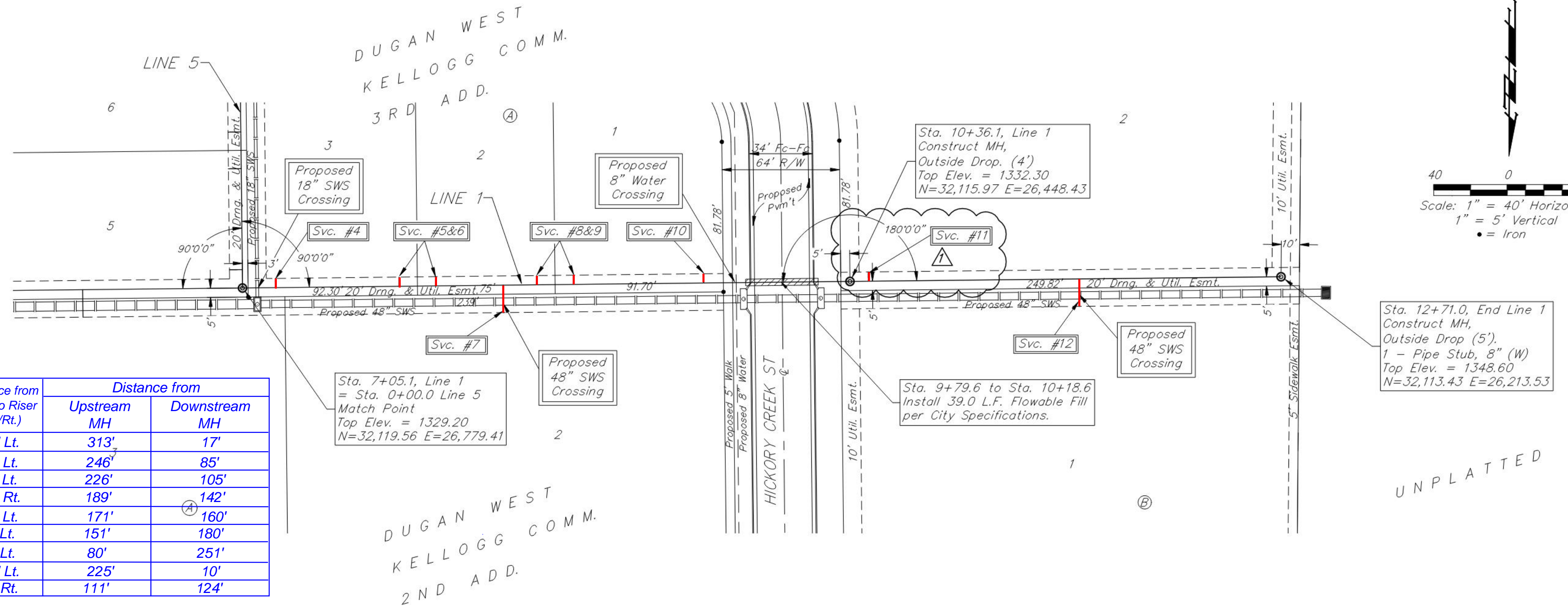
BENCHMARKS:
 BM #1: Chiseled cross on top of catch basin, 174.1' E. & 35.2' N. of the NW Corner of Lot 1, Block A, Dugan West Kellogg Commercial 2nd Addition. Elev. = 1332.69 NAVD88

BM #2: Chiseled cross on top of catch basin, 179.8' W. & 30.0' N. of the NE Corner of Lot 54, Block A, Dugan West Kellogg Commercial 2nd Addition. Elev. = 1327.03 NAVD88

SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION			FOR INFORMATION ONLY		Distance from Main to Riser (Lt./Rt.)	Distance from		
		LOT NO.	BLOCK NO.	LINE NO.	STATION \ DIRECTION	APPROXIMATE LENGTH 4" PIPE VERTICAL		HORIZONTAL	Upstream MH	Downstream MH
4	8" X 4" Tee W/Riser	3	A	1	7+23.1/Lt.	9.5'	5.0'	5' Lt.	313'	17'
5	8" X 4" Tee W/Riser	3	A	1	7+90.4/Lt.	9.5'	5.0'	5' Lt.	246'	85'
6	8" X 4" Tee W/Riser	2	A	1	8+10.4/Lt.	9.5'	5.0'	5' Lt.	226'	105'
7	8" X 4" Tee W/Riser	2	A	1	8+47.1/Rt.	10.0'	15.0'	15' Rt.	189'	142'
8	8" X 4" Tee W/Riser	2	A	1	8+65.4/Lt.	10.0'	5.0'	5' Lt.	171'	160'
9	8" X 4" Tee W/Riser	1	A	1	8+85.4/Lt.	10.5'	5.0'	5' Lt.	151'	180'
10	8" X 4" Tee W/Riser	1	A	1	9+56.4/Lt.	10.5'	5.0'	5' Lt.	80'	251'
11	8" X 4" Tee W/Riser	2	B	1	10+46.1/Lt.	9.5'	7.8'	7.8' Lt.	225'	10'
12	8" X 4" Tee W/Riser	1	B	1	11+60.9/Rt.	10.5'	15.0'	15' Rt.	111'	124'

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



12.14.21 Sta. 12+71.0 Add outside drop & stub. Riser #11 moved west.

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DUGAN WEST KELLOGG COMM. 2ND & 3RD ADD.

LINE 1

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER: 20-08-E679
 DESIGN: AEG DRAWN: TMS
 DATE: December 14, 2021

SHEET **3** OF **28**

File: E:\Projects\Dugan West Kellogg Commercial 2nd(Russell Duplexes)_20-04-P543(Engineering)\Phase 1\SS 20-08-E679\SS Revised.dwg

BENCHMARKS:
 BM #1: Chiseled cross on top of catch basin, 174.1' E. & 35.2' N. of the NW Corner of Lot 1, Block A, Dugan West Kellogg Commercial 2nd Addition. Elev. = 1332.69 NAVD88

BM #2: Chiseled cross on top of catch basin, 179.8' W. & 30.0' N. of the NE Corner of Lot 54, Block A, Dugan West Kellogg Commercial 2nd Addition. Elev. = 1327.03 NAVD88

SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION			STATION \ DIRECTION	FOR INFORMATION ONLY		APPROXIMATE LENGTH 4" PIPE	VERTICAL	HORIZONTAL
		LOT NO.	BLOCK NO.	LINE NO.		VERTICAL	HORIZONTAL			
13	8" X 4" Tee W/Riser	15	C	2	0+19.5/Rt.	11.0'	7.0'			
14	8" X 4" Tee W/Riser	15	C	2	0+84.5/Rt.	11.0'	7.0'			
15	8" X 4" Tee W/Riser	14	C	2	1+08.5/Rt.	11.0'	7.0'			
16	4" Stub W/Riser	14	C	2	1+79.4/Rt.	10.0'	7.0'			
17	4" Stub W/Riser	13	C	2	1+79.4/Rt.	10.0'	7.0'			
18	8" X 4" Tee W/Riser	13	C	2	2+35.0/Rt.	10.0'	7.0'	155'	56'	
19	8" X 4" Tee W/Riser	12	C	2	2+55.0/Rt.	10.0'	7.0'	135'	76'	
20	8" X 4" Tee W/Riser	12	C	2	3+05.0/Rt.	10.0'	7.0'	85'	126'	
21	8" X 4" Tee W/Riser	11	C	2	3+25.0/Rt.	10.0'	7.0'	65'	146'	
22	4" Stub W/Riser	11	C	2	3+90.0/Rt.	10.0'	7.0'	290'	@ mh	
23	4" Stub W/Riser	10	C	2	3+90.0/Rt.	10.0'	7.0'	290'	@ mh	
24	8" X 4" Tee W/Riser	10	C	2	4+45.0/Rt.	10.0'	7.0'	235'	55'	
25	8" X 4" Tee W/Riser	9	C	2	4+65.0/Rt.	10.0'	7.0'	215'	75'	
26	8" X 4" Tee W/Riser	9	C	2	5+15.0/Rt.	9.5'	7.0'	165'	125'	
27	8" X 4" Tee W/Riser	8	C	2	5+35.0/Rt.	9.5'	7.0'	145'	145'	
28	8" X 4" Tee W/Riser	8	C	2	5+85.0/Rt.	9.0'	7.0'	95'	195'	
29	8" X 4" Tee W/Riser	7	C	2	6+05.0/Rt.	9.0'	7.0'	75'	215'	
30	8" X 4" Tee W/Riser	7	C	2	6+55.0/Rt.	9.0'	7.0'	25'	265'	

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

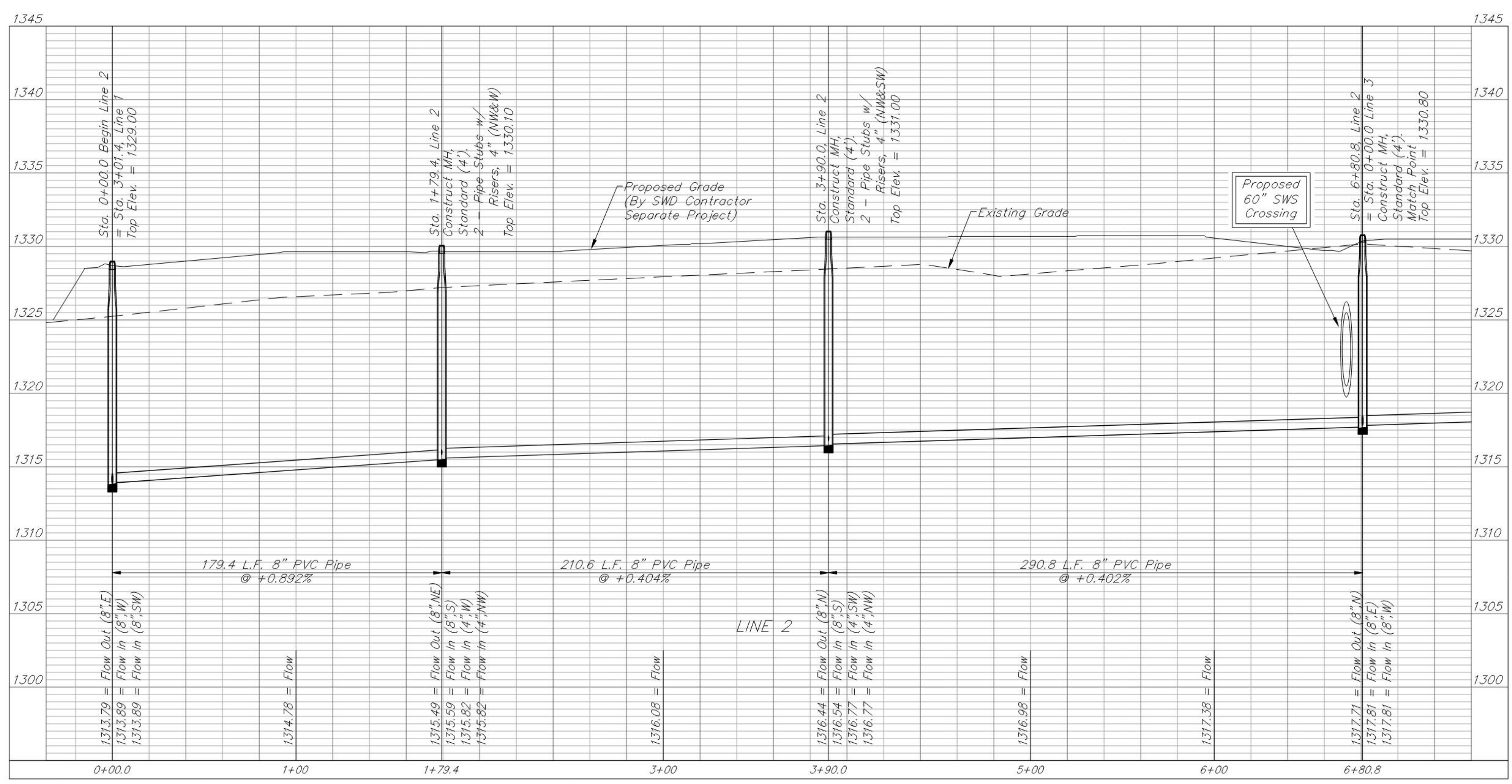
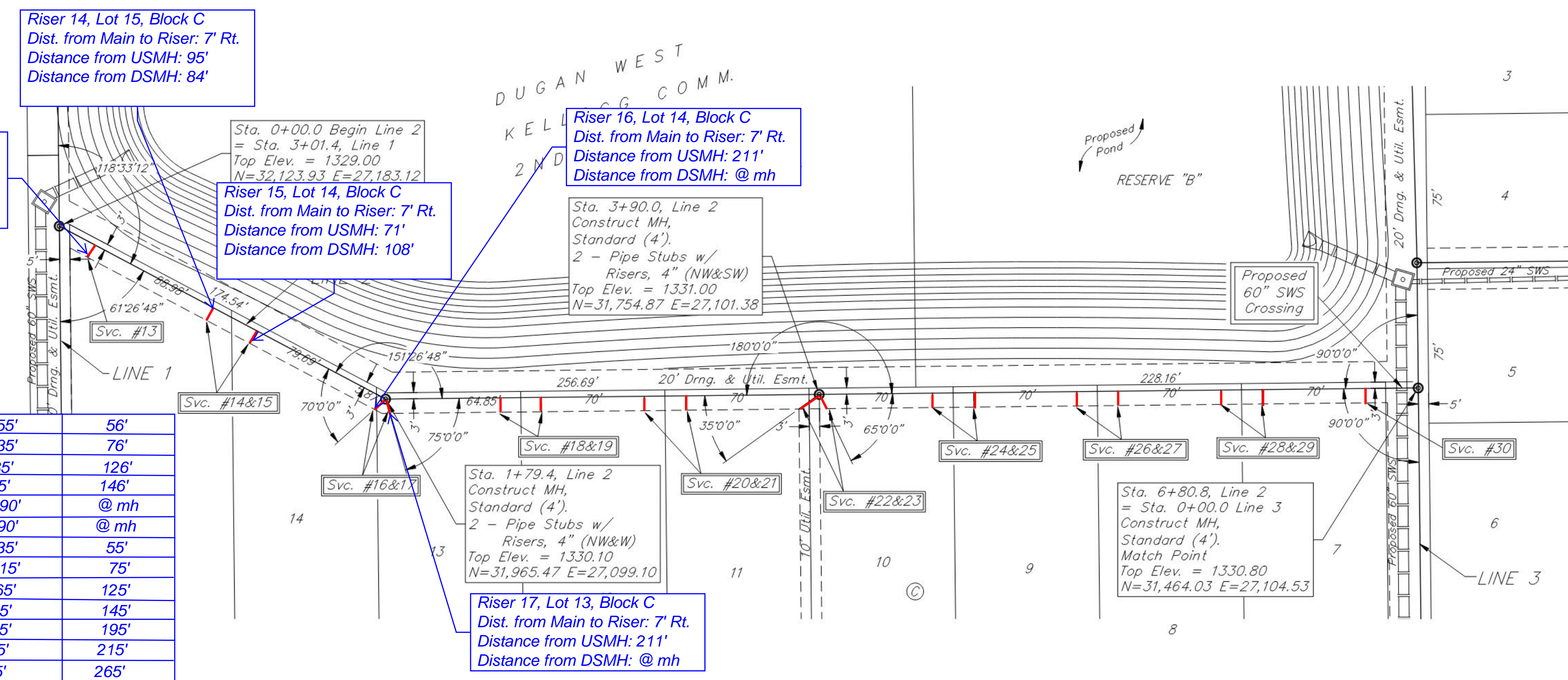
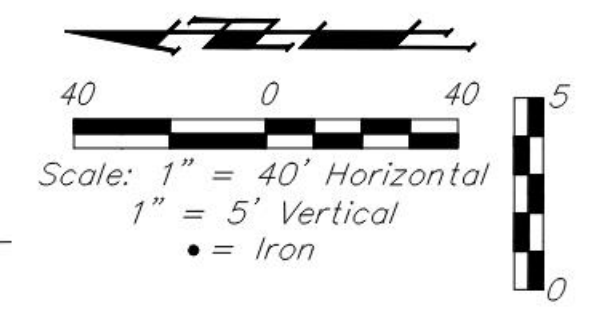
Riser 14, Lot 15, Block C
 Dist. from Main to Riser: 7' Rt.
 Distance from USMH: 95'
 Distance from DSMH: 84'

Riser 13, Lot 15, Block C
 Dist. from Main to Riser: 7' Rt.
 Distance from USMH: 160'
 Distance from DSMH: 19'

Riser 15, Lot 14, Block C
 Dist. from Main to Riser: 7' Rt.
 Distance from USMH: 71'
 Distance from DSMH: 108'

Riser 16, Lot 14, Block C
 Dist. from Main to Riser: 7' Rt.
 Distance from USMH: 211'
 Distance from DSMH: @ mh

Riser 17, Lot 13, Block C
 Dist. from Main to Riser: 7' Rt.
 Distance from USMH: 211'
 Distance from DSMH: @ mh



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DUGAN WEST KELLOGG COMM. 2ND & 3RD ADD.

LINE 2

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER:
 20-08-E679

DESIGN: AEG DRAWN: TMS

DATE: December 14, 2021

SHEET **4** OF **28**

File: E:\Projects\Dugan West Kellogg Commercial 2nd(Russell Duplexes)_20-04-P543(Engineering)Phase 1(S 20-08-E679)S Revised.dwg

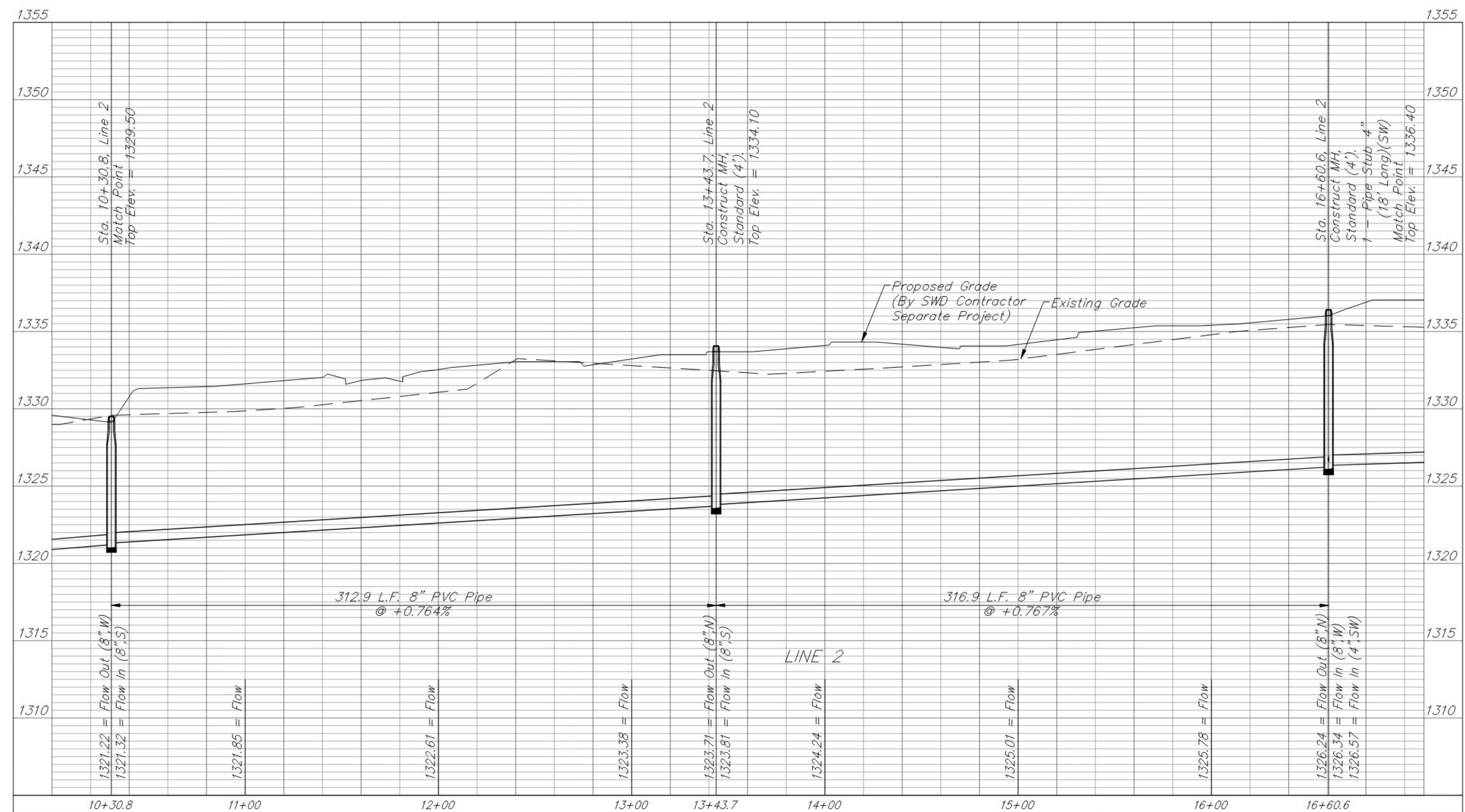
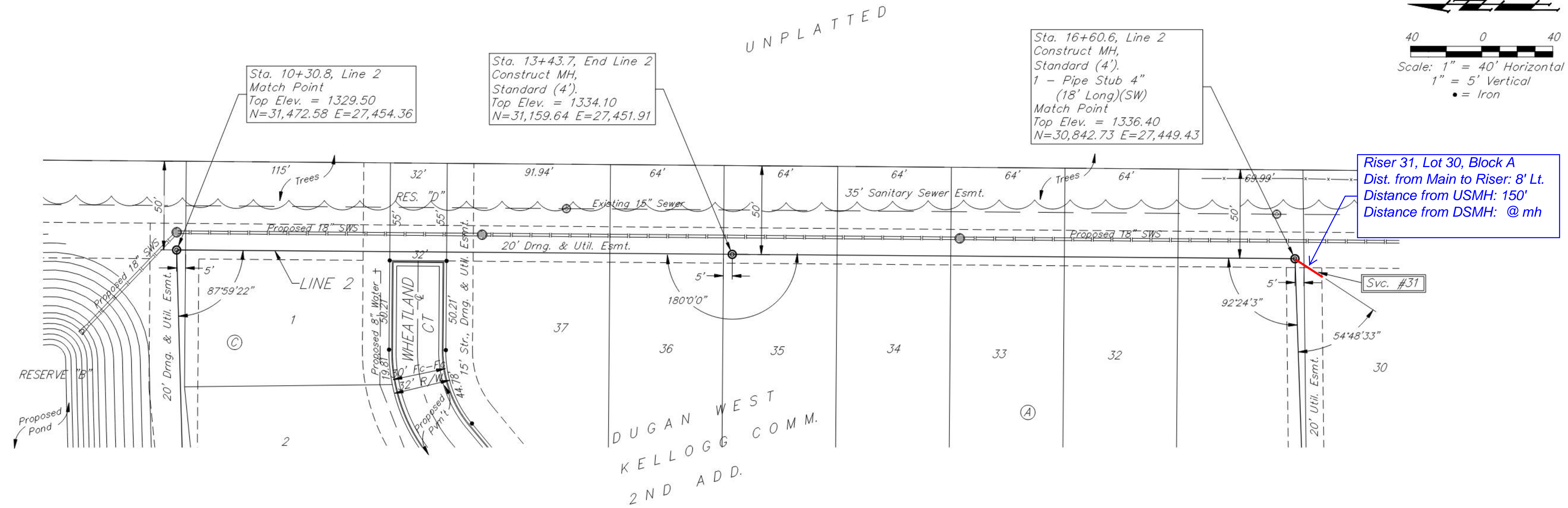
BENCHMARKS:
 BM #1: Chiseled cross on top of catch basin, 174.1' E. & 35.2' N. of the NW Corner of Lot 1, Block A, Dugan West Kellogg Commercial 2nd Addition. Elev. = 1332.69 NAVD88

BM #2: Chiseled cross on top of catch basin, 179.8' W. & 30.0' N. of the NE Corner of Lot 54, Block A, Dugan West Kellogg Commercial 2nd Addition. Elev. = 1327.03 NAVD88

SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION \ DIRECTION	APPROXIMATE LENGTH 4" PIPE	VERTICAL
31	4" Stub	30	A	2	16+60.6/Lt.	-	18.0'

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



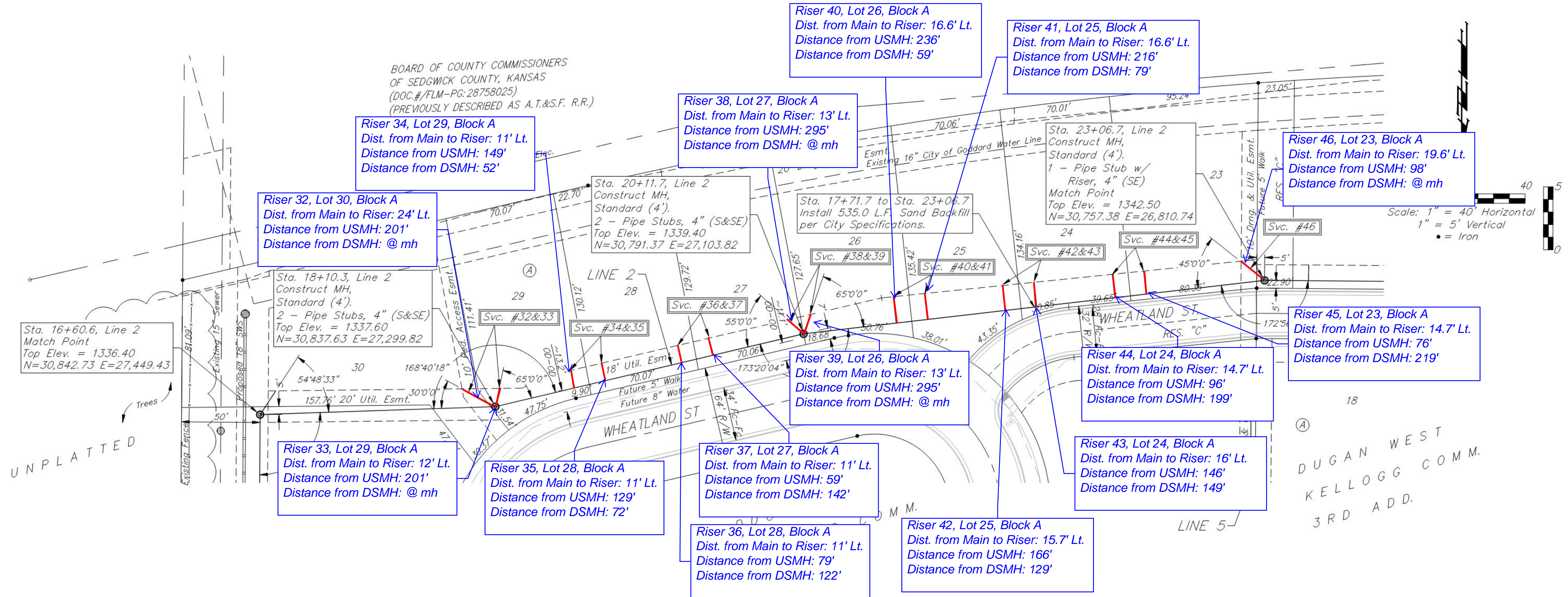
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 Wichita, KS 67211
 316-262-7271
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DUGAN WEST KELLOGG COMM. 2ND & 3RD ADD.
LINE 2
 SANITARY SEWER IMPROVEMENTS
 PROJECT NUMBER: 20-08-E679
 DESIGN: AEG DRAWN: TMS
 DATE: December 14, 2021
 SHEET **6** OF **28**

File: E:\Projects\Dugan West Kellogg Commercial 2nd\Russell Duplexes\ 20-04-P543\Engineering\Phase 1\SS 20-08-E679\SS Revised.dwg

BENCHMARKS:
 BM #1: Chiseled cross on top of catch basin, 174.1' E. & 35.2' N. of the NW Corner of Lot 1, Block A, Dugan West Kellogg Commercial 2nd Addition. Elev. = 1332.69 NAVD88

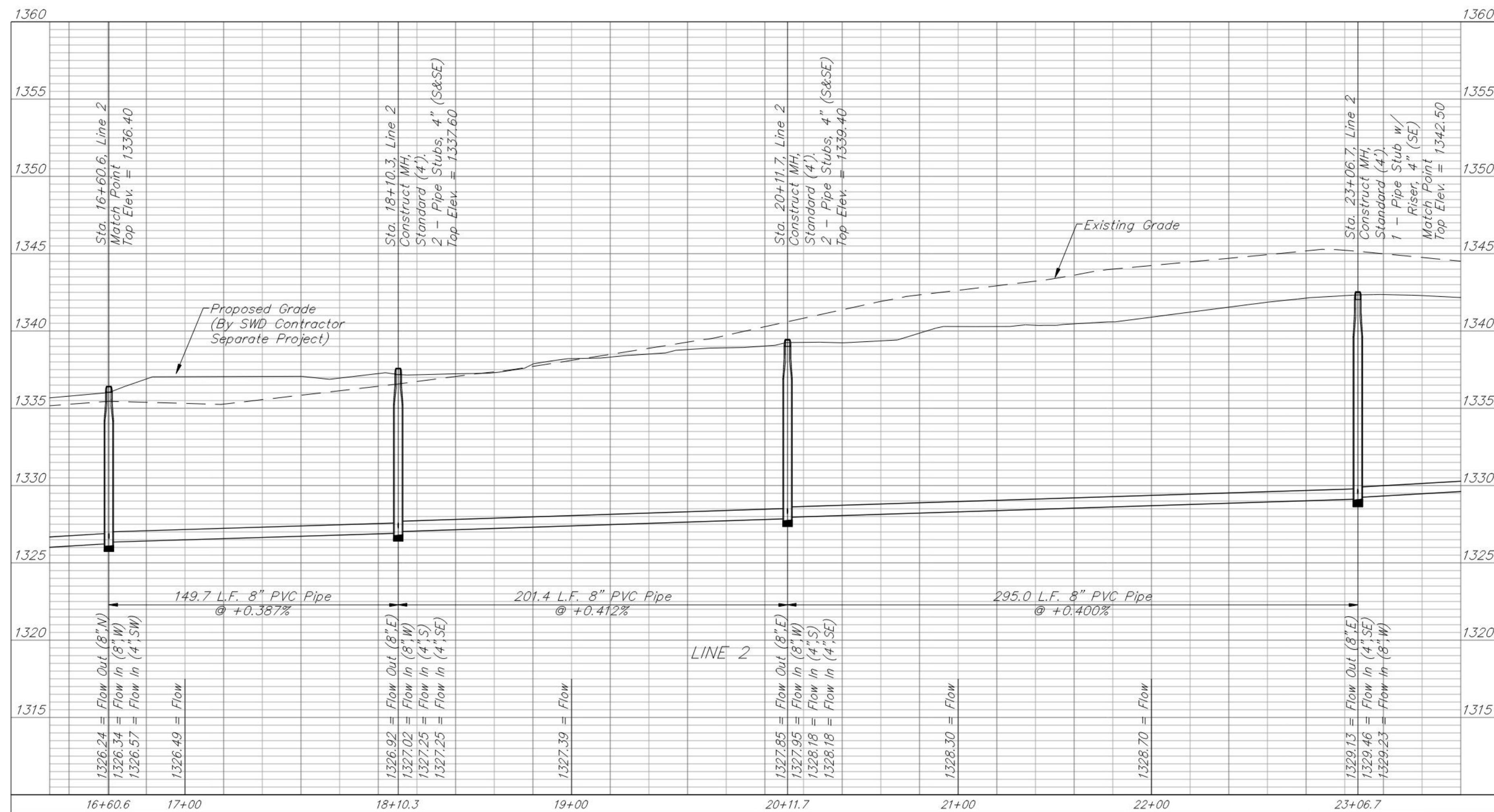
BM #2: Chiseled cross on top of catch basin, 179.8' W. & 30.0' N. of the NE Corner of Lot 54, Block A, Dugan West Kellogg Commercial 2nd Addition. Elev. = 1327.03 NAVD88



SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION			STATION \ DIRECTION	FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.		APPROXIMATE LENGTH 4" PIPE	VERTICAL
32	4" Stub	30	A	2	18+10.3/Lt.	-	24.0'
33	4" Stub	29	A	2	18+10.3/Lt.	-	12.4'
34	8" X 4" Tee W/Riser	29	A	2	18+62.0/Lt.	-	11.0'
35	8" X 4" Tee W/Riser	28	A	2	18+82.0/Lt.	-	11.0'
36	8" X 4" Tee W/Riser	28	A	2	19+32.0/Lt.	-	11.0'
37	8" X 4" Tee W/Riser	27	A	2	19+52.0/Lt.	-	11.0'
38	4" Stub	27	A	2	20+11.7/Lt.	-	13.0'
39	4" Stub	26	A	2	20+11.7/Lt.	-	13.0'
40	8" X 4" Tee W/Riser	26	A	2	20+70.9/Lt.	-	16.6'
41	8" X 4" Tee W/Riser	25	A	2	20+90.9/Lt.	-	16.6'
42	8" X 4" Tee W/Riser	25	A	2	21+40.9/Lt.	-	15.7'
43	8" X 4" Tee W/Riser	24	A	2	21+60.9/Lt.	-	15.7'
44	8" X 4" Tee W/Riser	24	A	2	22+10.9/Lt.	8.5'	14.7'
45	8" X 4" Tee W/Riser	23	A	2	22+30.9/Lt.	8.5'	14.7'
46	4" Stub W/Riser	23	A	2	23+06.7/Lt.	9.5'	19.6'

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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DUGAN WEST KELLOGG COMM. 2ND & 3RD ADD.

LINE 2

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER: 20-08-E679

DESIGN: AEG DRAWN: TMS

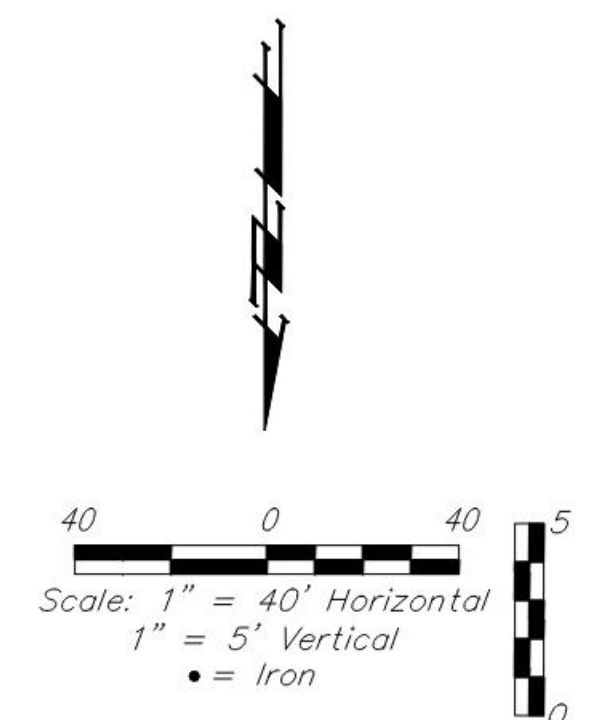
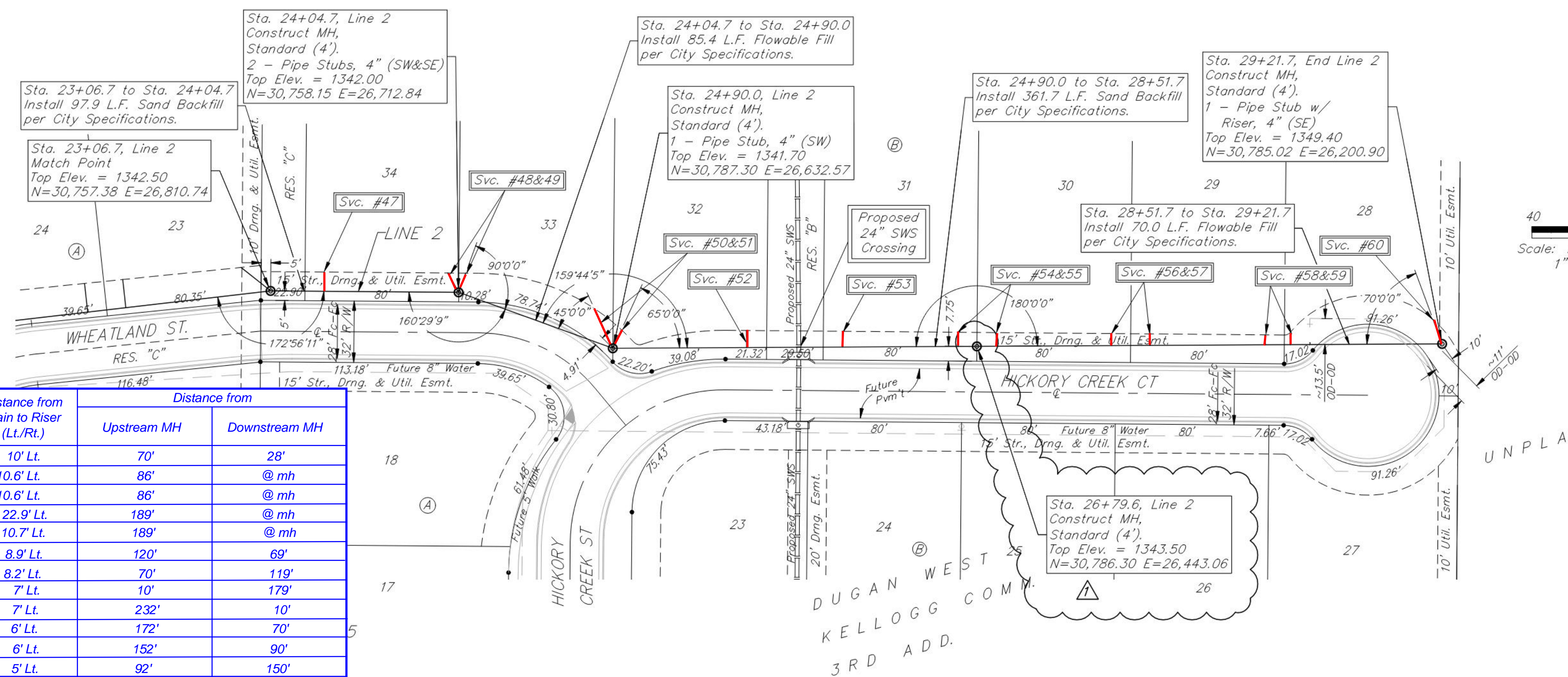
DATE: December 14, 2021

SHEET 7 OF 28

File: E:\Projects\Dugan West Kellogg Commercial 2nd\Russell Duplexes\ 20-04-P543\Engineering\Phase 1\SS 20-08-E679\SS Revised.dwg

BENCHMARKS:
 BM #1: Chiseled cross on top of catch basin, 174.1' E. & 35.2' N. of the NW Corner of Lot 1, Block A, Dugan West Kellogg Commercial 2nd Addition. Elev. = 1332.69 NAVD88

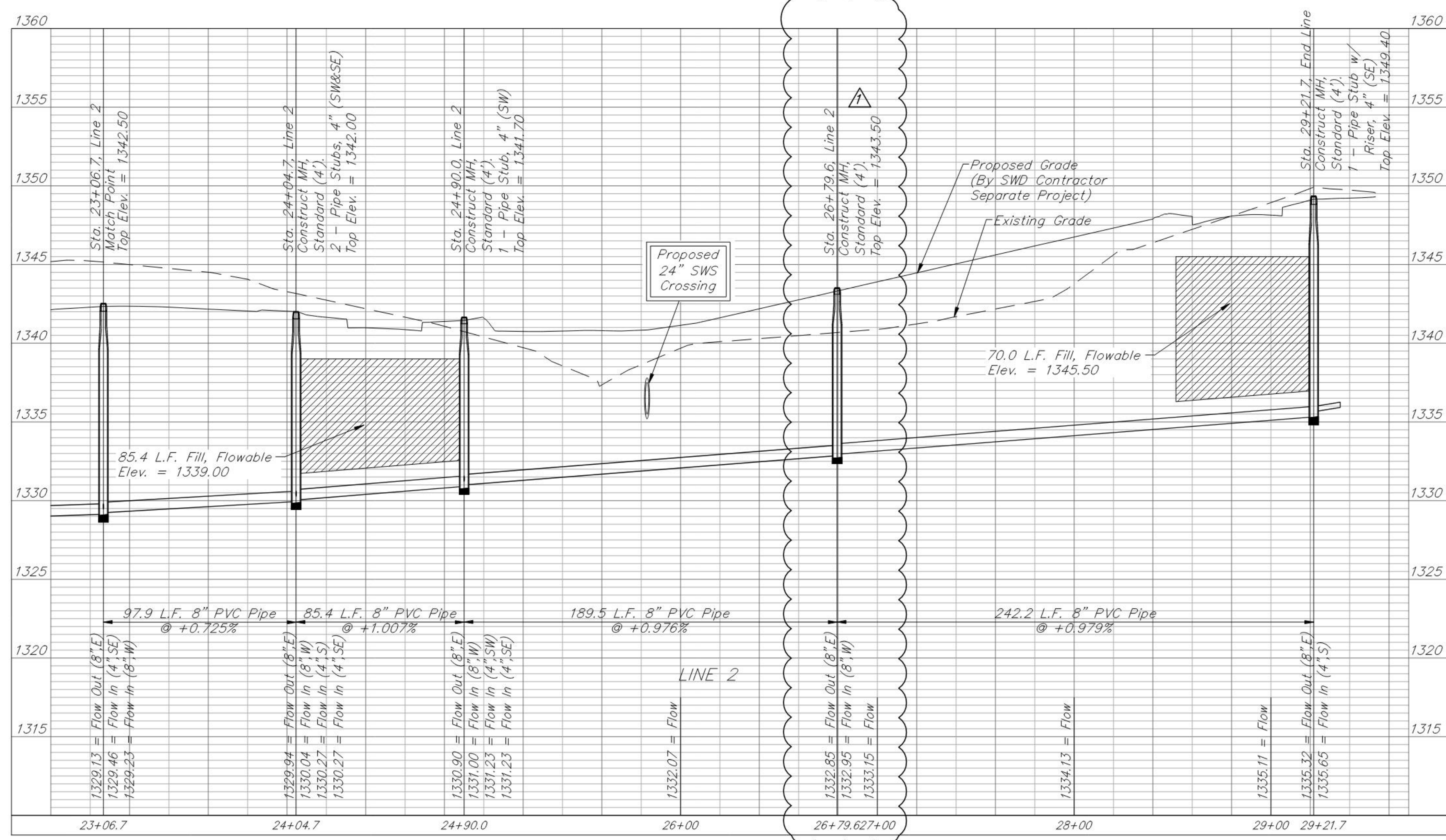
BM #2: Chiseled cross on top of catch basin, 179.8' W. & 30.0' N. of the NE Corner of Lot 54, Block A, Dugan West Kellogg Commercial 2nd Addition. Elev. = 1327.03 NAVD88



SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION			FOR INFORMATION ONLY		Distance from		
		LOT NO.	BLOCK NO.	LINE NO.	STATION \ DIRECTION	APPROXIMATE LENGTH 4" PIPE		Upstream MH	Downstream MH
						VERTICAL	HORIZONTAL		
47	8" X 4" Tee W/Riser	34	B	2	23+34.3/Lt.	8.5'	10.0'	10' Lt.	28'
48	4" Stub	34	B	2	24+04.7/Lt.	-	10.6'	10.6' Lt.	@ mh
49	4" Stub	33	B	2	24+04.7/Lt.	-	10.6'	10.6' Lt.	@ mh
50	4" Stub	33	B	2	24+90.0/Lt.	-	22.9'	22.9' Lt.	@ mh
51	4" Stub	32	B	2	24+90.0/Lt.	-	10.7'	10.7' Lt.	@ mh
52	8" X 4" Tee W/Riser	32	B	2	25+59.7/Lt.	-	8.9'	8.9' Lt.	120'
53	8" X 4" Tee W/Riser	31	B	2	26+09.7/Lt.	-	8.2'	8.2' Lt.	70'
54	8" X 4" Tee W/Riser	31	B	2	26+69.7/Lt.	-	7.1'	7' Lt.	10'
55	8" X 4" Tee W/Riser	30	B	2	26+89.7/Lt.	-	7.1'	7' Lt.	232'
56	8" X 4" Tee W/Riser	30	B	2	27+49.7/Lt.	-	6.0'	6' Lt.	172'
57	8" X 4" Tee W/Riser	29	B	2	27+69.7/Lt.	-	6.0'	6' Lt.	152'
58	8" X 4" Tee W/Riser	29	B	2	28+29.7/Lt.	-	9.0'	5.2'	92'
59	8" X 4" Tee W/Riser	28	B	2	28+42.7/Lt.	-	9.0'	5.2'	79'
60	4" Stub W/Riser	28	B	2	29+21.7/Lt.	10.0'	13.5'	13.5' Lt.	@ mh

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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DUGAN WEST KELLOGG COMM. 2ND & 3RD ADD.
LINE 2
 SANITARY SEWER IMPROVEMENTS
 PROJECT NUMBER: 20-08-E679
 DESIGN: AEG DRAWN: TMS
 DATE: December 14, 2021
 SHEET 8 OF 28

12.14.21 Sta. 26+79.6 Add MH

File: E:\Projects\Dugan West Kellogg Commercial 2nd(Russell Duplexes)_20-04-P543(Engineering)\Phase 1\SS 20-08-E679\SS Revised.dwg

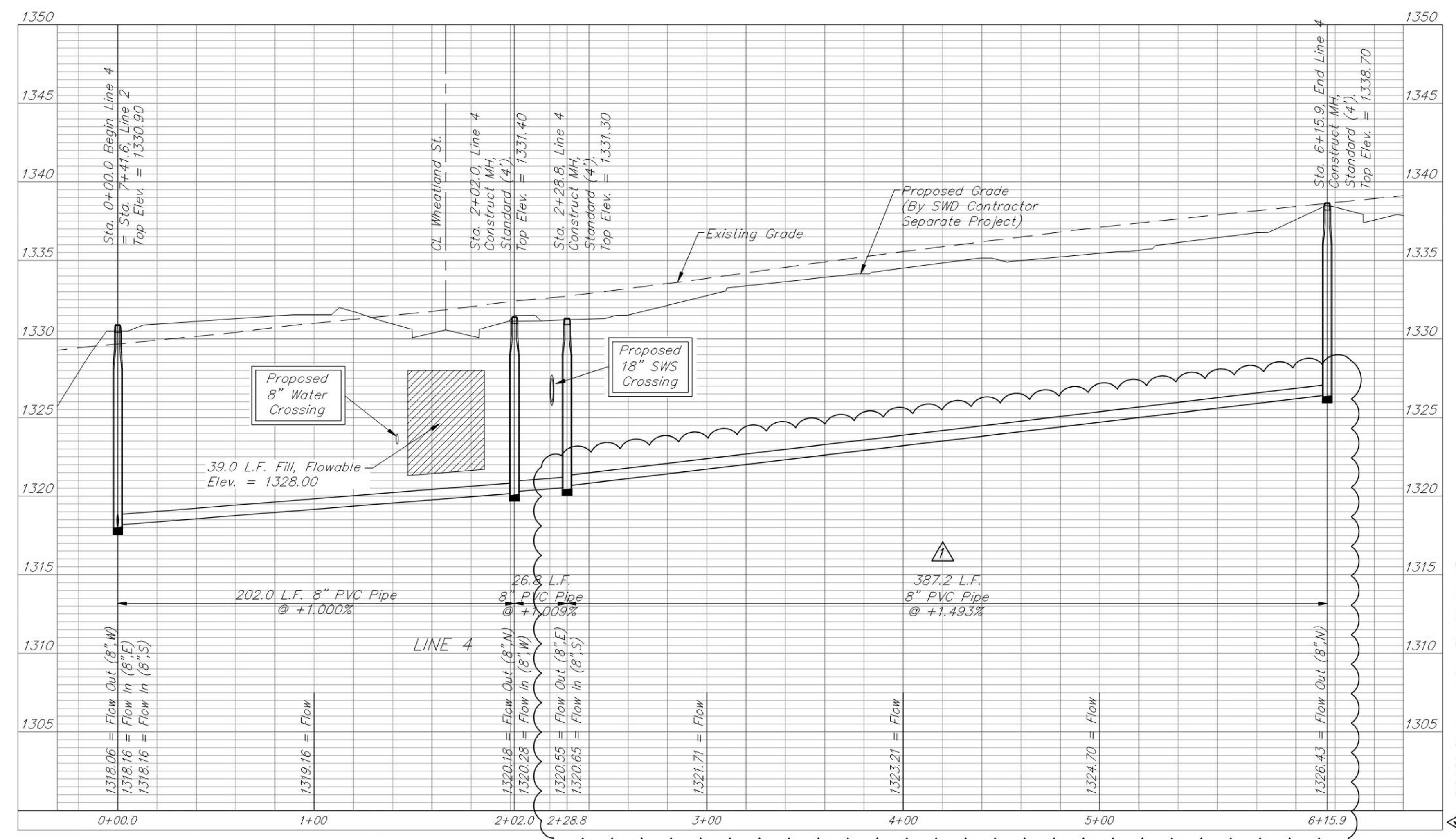
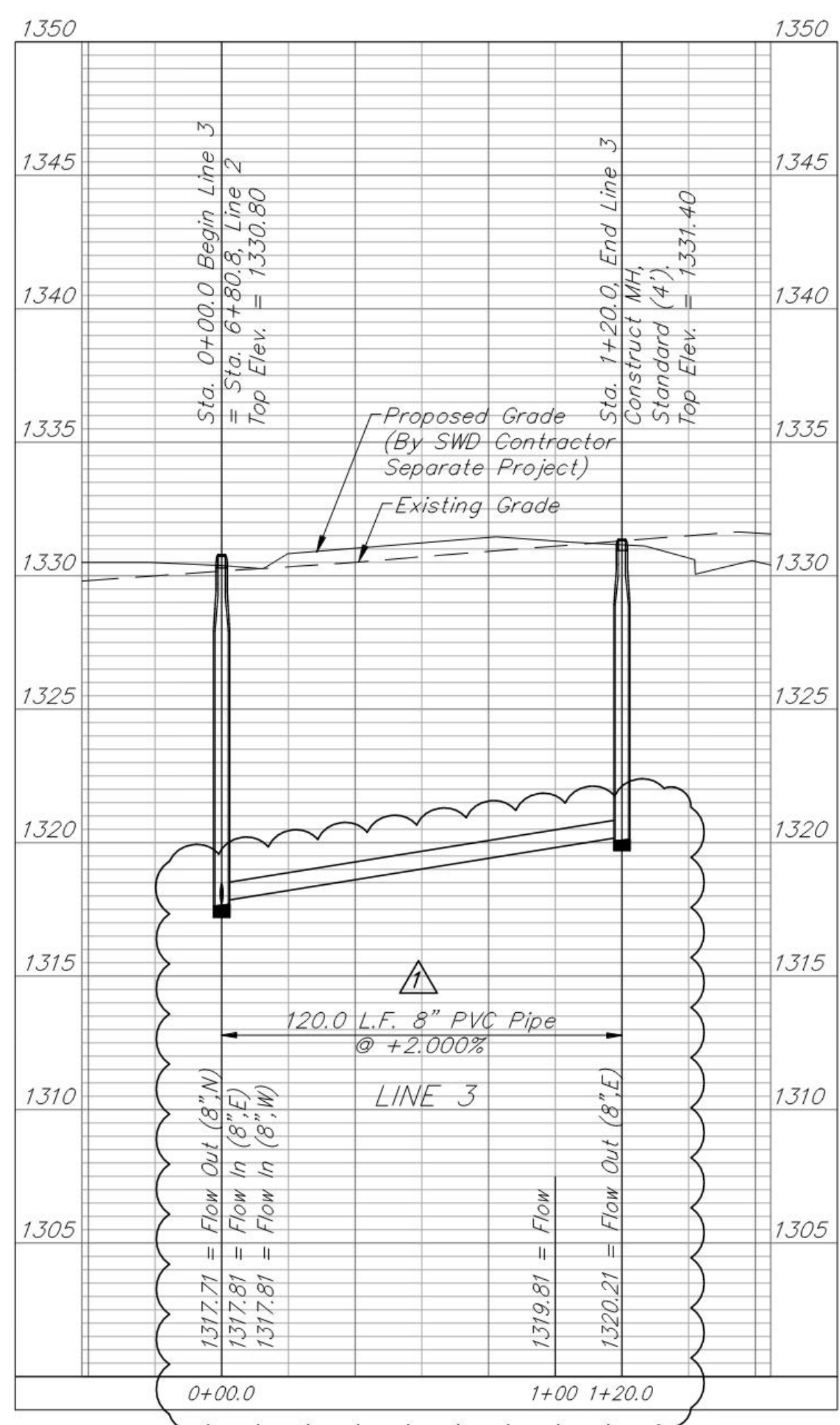
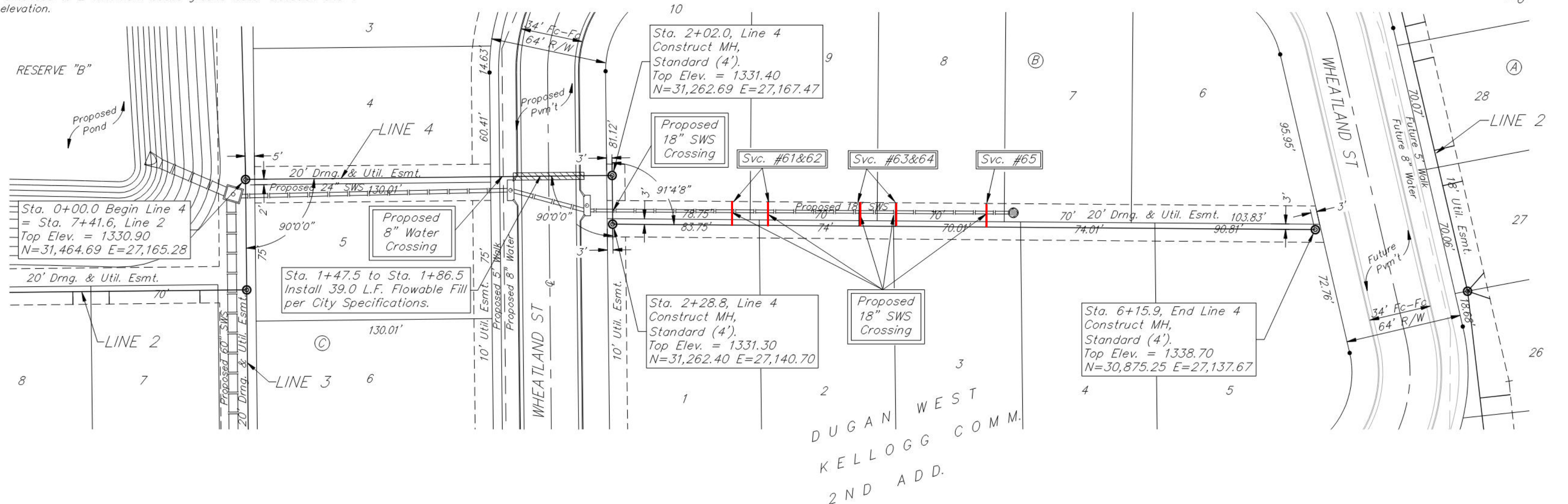
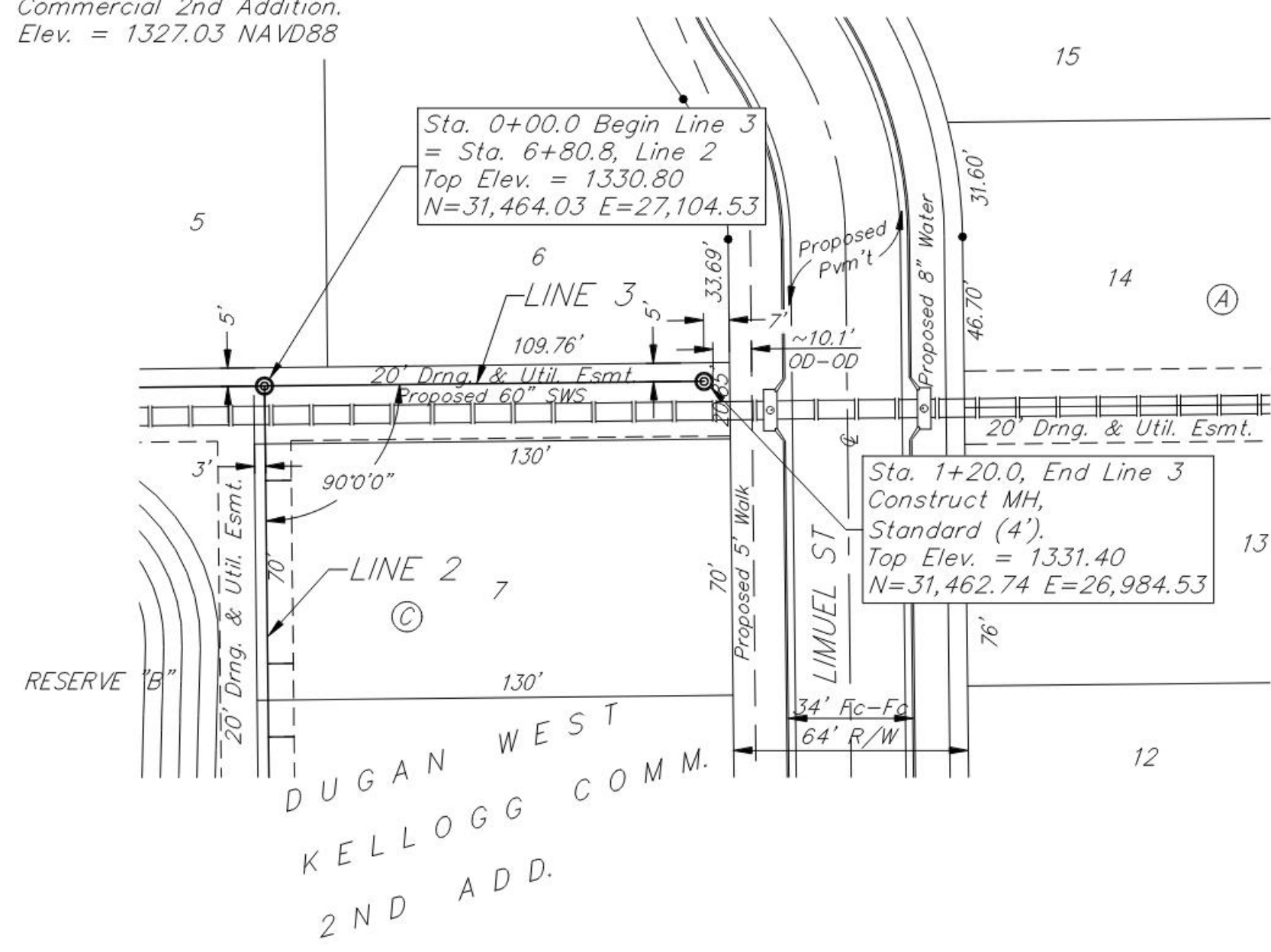
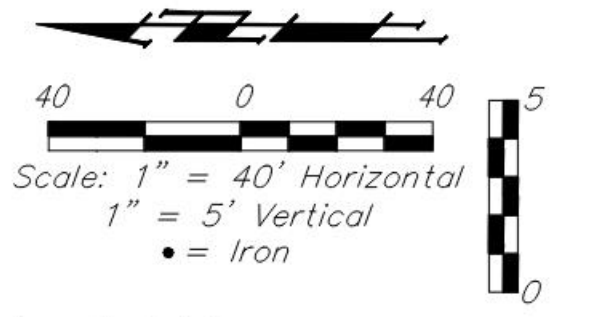
SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY		Distance from	
		LOT NO.	BLOCK NO.	LINE NO.	STATION \ DIRECTION	APPROXIMATE LENGTH 4" PIPE		Upstream MH	Downstream MH
						VERTICAL	HORIZONTAL		
61	8" X 4" Tee W/Riser	10	B	4	3+04.4/Lt.	-	13.0'	311'	76'
62	8" X 4" Tee W/Riser	9	B	4	3+24.4/Lt.	-	13.0'	291'	96'
63	8" X 4" Tee W/Riser	9	B	4	3+64.4/Lt.	-	13.0'	251'	136'
64	8" X 4" Tee W/Riser	8	B	4	3+84.4/Lt.	-	13.0'	231'	156'
65	8" X 4" Tee W/Riser	8	B	4	4+34.4/Lt.	-	13.0'	181'	206'

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

BENCHMARKS:
 BM #1: Chiseled cross on top of catch basin, 174.1' E. & 35.2' N. of the NW Corner of Lot 1, Block A, Dugan West Kellogg Commercial 2nd Addition. Elev. = 1332.69 NAVD88

BM #2: Chiseled cross on top of catch basin, 179.8' W. & 30.0' N. of the NE Corner of Lot 54, Block A, Dugan West Kellogg Commercial 2nd Addition. Elev. = 1327.03 NAVD88



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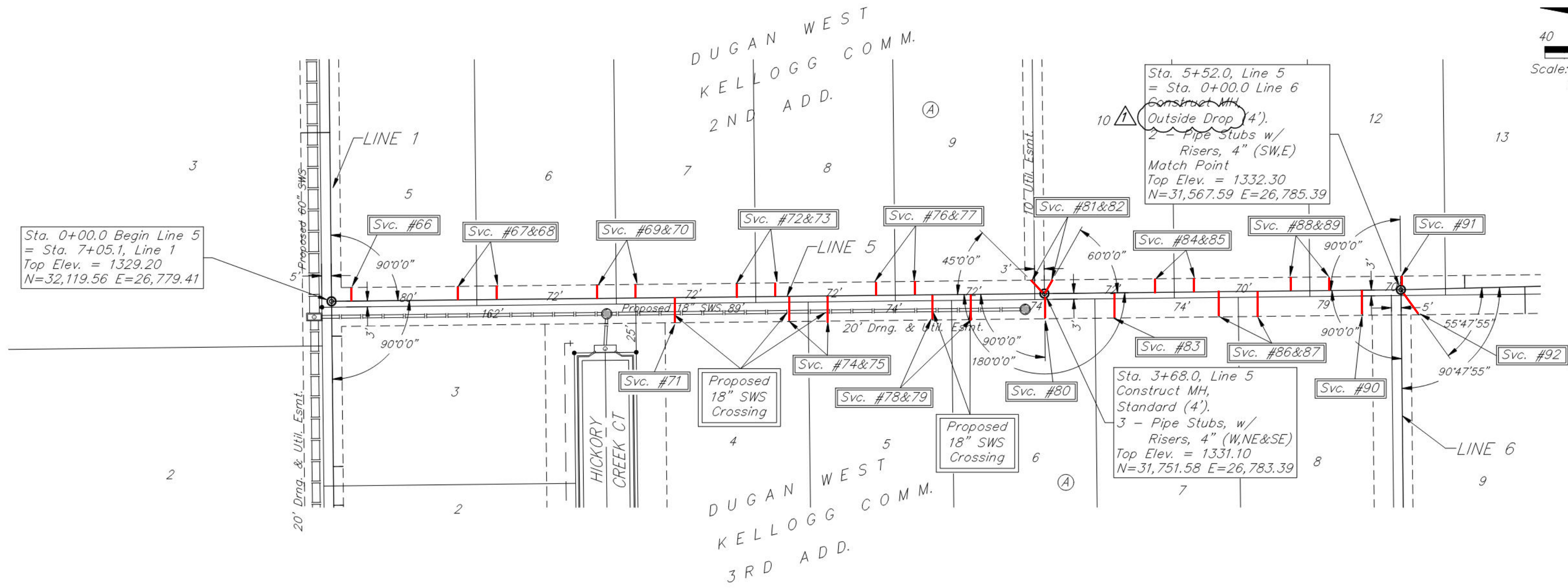
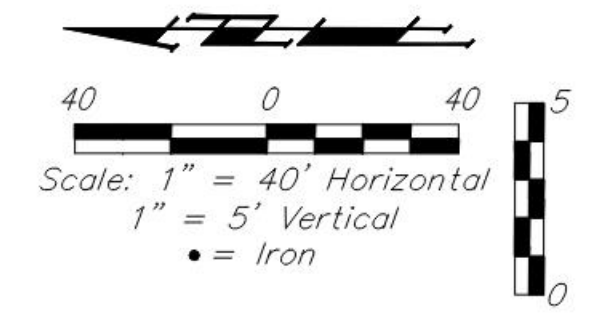
DUGAN WEST KELLOGG COMM. 2ND & 3RD ADD.
LINES 3 & 4
 SANITARY SEWER IMPROVEMENTS
 PROJECT NUMBER: 20-08-E679
 DESIGN: AEG DRAWN: TMS
 DATE: December 15, 2021
 SHEET **9** OF **28**

12.14.21 Change grades, Shorten line 3

File: E:\Projects\Dugan West Kellogg Commercial 2nd(Russell Duplexes)_20-04-P543(Engineering)\Phase 1\SS 20-08-E679\SS Revised.dwg

BENCHMARKS:
 BM #1: Chiseled cross on top of catch basin, 174.1' E. & 35.2' N. of the NW Corner of Lot 1, Block A, Dugan West Kellogg Commercial 2nd Addition. Elev. = 1332.69 NAVD88

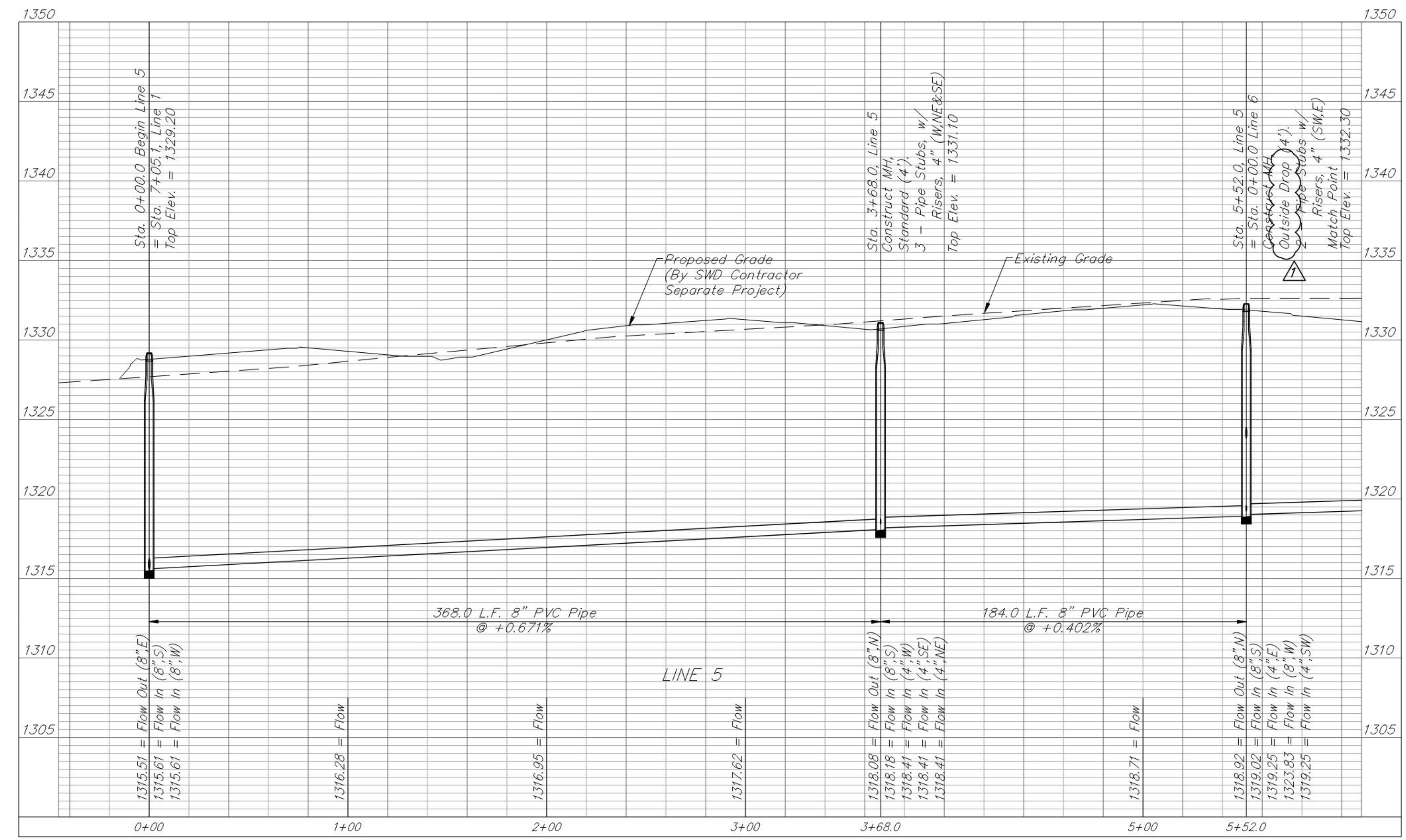
BM #2: Chiseled cross on top of catch basin, 179.8' W. & 30.0' N. of the NE Corner of Lot 54, Block A, Dugan West Kellogg Commercial 2nd Addition. Elev. = 1327.03 NAVD88



SEWER SERVICE TABLE

Dist. from Main to Manhole (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
7' Lt	358'	10'	66	8" X 4" Tee W/Riser	5	A	5	0+10.0/Lt.	9.5'	7.0'
7' Lt	293'	75'	67	8" X 4" Tee W/Riser	5	A	5	0+75.0/Lt.	9.5'	7.0'
7' Lt	283'	85'	68	8" X 4" Tee W/Riser	6	A	5	0+85.0/Lt.	9.5'	7.0'
7' Lt	221'	147'	68	8" X 4" Tee W/Riser	6	A	5	1+47.0/Lt.	8.5'	7.0'
7' Lt	211'	157'	70	8" X 4" Tee W/Riser	7	A	5	1+57.0/Lt.	8.5'	7.0'
13' Rt	191'	177'	71	8" X 4" Tee W/Riser	4	A	5	1+77.0/Rt.	9.0'	13.0'
7' Lt	149'	219'	72	8" X 4" Tee W/Riser	7	A	5	2+19.0/Lt.	10.0'	7.0'
7' Lt	139'	229'	73	8" X 4" Tee W/Riser	8	A	5	2+29.0/Lt.	10.0'	7.0'
13' Rt	122'	246'	74	8" X 4" Tee W/Riser	4	A	5	2+46.0/Rt.	10.0'	13.0'
13' Rt	112'	256'	75	8" X 4" Tee W/Riser	5	A	5	2+56.0/Rt.	10.0'	13.0'
7' Lt	77'	291'	76	8" X 4" Tee W/Riser	8	A	5	2+91.0/Lt.	9.5'	7.0'
7' Lt	67'	301'	77	8" X 4" Tee W/Riser	9	A	5	3+01.0/Lt.	9.5'	7.0'
13' Rt	58'	310'	78	8" X 4" Tee W/Riser	5	A	5	3+10.0/Rt.	9.5'	13.0'
13' Rt	38'	330'	79	8" X 4" Tee W/Riser	6	A	5	3+30.0/Rt.	9.5'	13.0'
13' Rt	184'	@ mh	80	4" Stub W/Riser	6	A	5	3+68.0/Rt.	9.0'	13.0'
13' Rt	184'	@ mh	81	4" Stub W/Riser	9	A	5	3+68.0/Rt.	9.0'	13.0'
13' Rt	184'	@ mh	82	4" Stub W/Riser	10	A	5	3+68.0/Lt.	9.0'	7.0'
13' Rt	148'	36'	83	8" X 4" Tee W/Riser	7	A	5	4+04.0/Rt.	9.0'	13.0'
7' Lt	17'	67'	84	8" X 4" Tee W/Riser	10	A	5	4+35.0/Lt.	9.0'	7.0'
7' Lt	107'	77'	85	8" X 4" Tee W/Riser	11	A	5	4+45.0/Lt.	9.0'	7.0'
13' Rt	84'	100'	86	8" X 4" Tee W/Riser	7	A	5	4+68.0/Rt.	9.5'	13.0'
13' Rt	74'	110'	87	8" X 4" Tee W/Riser	8	A	5	4+78.0/Rt.	9.5'	13.0'
7' Lt	57'	127'	88	8" X 4" Tee W/Riser	11	A	5	4+95.0/Lt.	9.0'	7.0'
7' Lt	37'	147'	89	8" X 4" Tee W/Riser	12	A	5	5+15.0/Lt.	9.0'	7.0'
13' Lt	20'	167'	90	8" X 4" Tee W/Riser	8	A	5	5+32.0/Rt.	9.0'	13.0'
7' Lt	143'	@ mh	91	4" Stub W/Riser	12	A	5	5+52.0/Lt.	9.0'	7.0'
7' Lt	143'	@ mh	92	4" Stub W/Riser	9	A	5	5+52.0/Lt.	9.0'	7.0'

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



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LINE 5

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER:
20-08-E679

DESIGN: AEG DRAWN: TMS

DATE: December 15, 2021

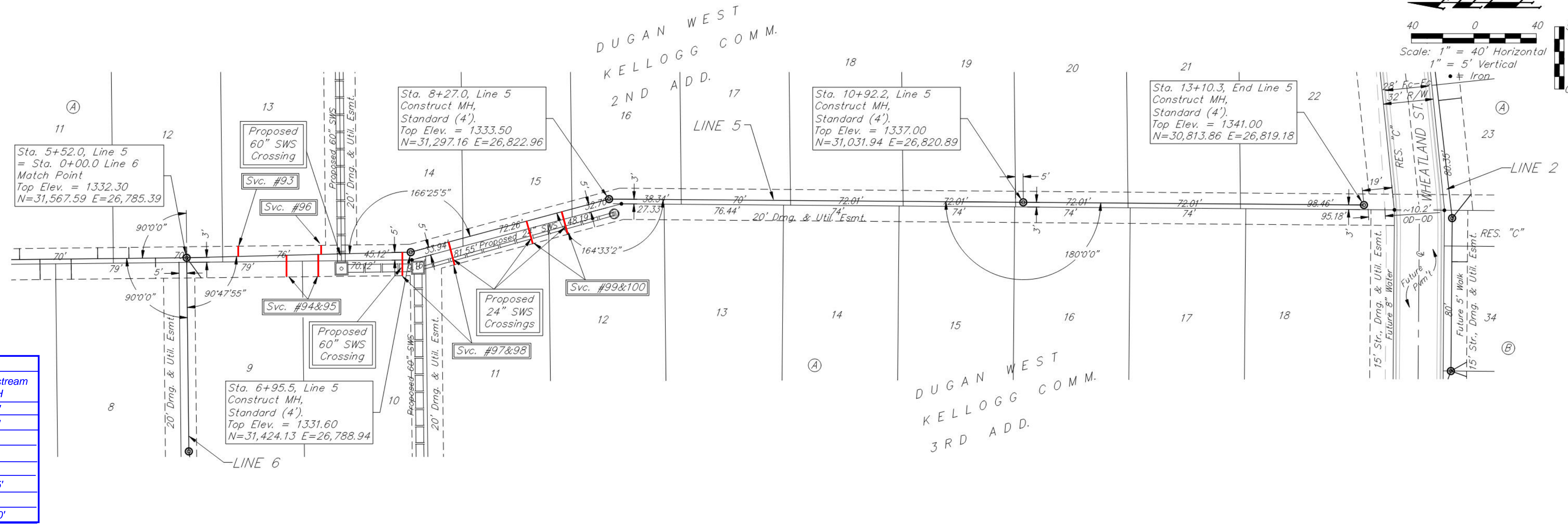
SHEET **10** OF **28**

12.14.21 Sta. 5+52.0 Change to outside drop MH

E:\Projects\Dugan West Kellogg Commercial 2nd(Russell Duplexes)_20-04-P543(Engineering)\Phase 1\SS 20-08-E679\SS Revised.dwg

BENCHMARKS:
 BM #1: Chiseled cross on top of catch basin, 174.1' E. & 35.2' N. of the NW Corner of Lot 1, Block A, Dugan West Kellogg Commercial 2nd Addition. Elev. = 1332.69 NAVD88

BM #2: Chiseled cross on top of catch basin, 179.8' W. & 30.0' N. of the NE Corner of Lot 54, Block A, Dugan West Kellogg Commercial 2nd Addition. Elev. = 1327.03 NAVD88

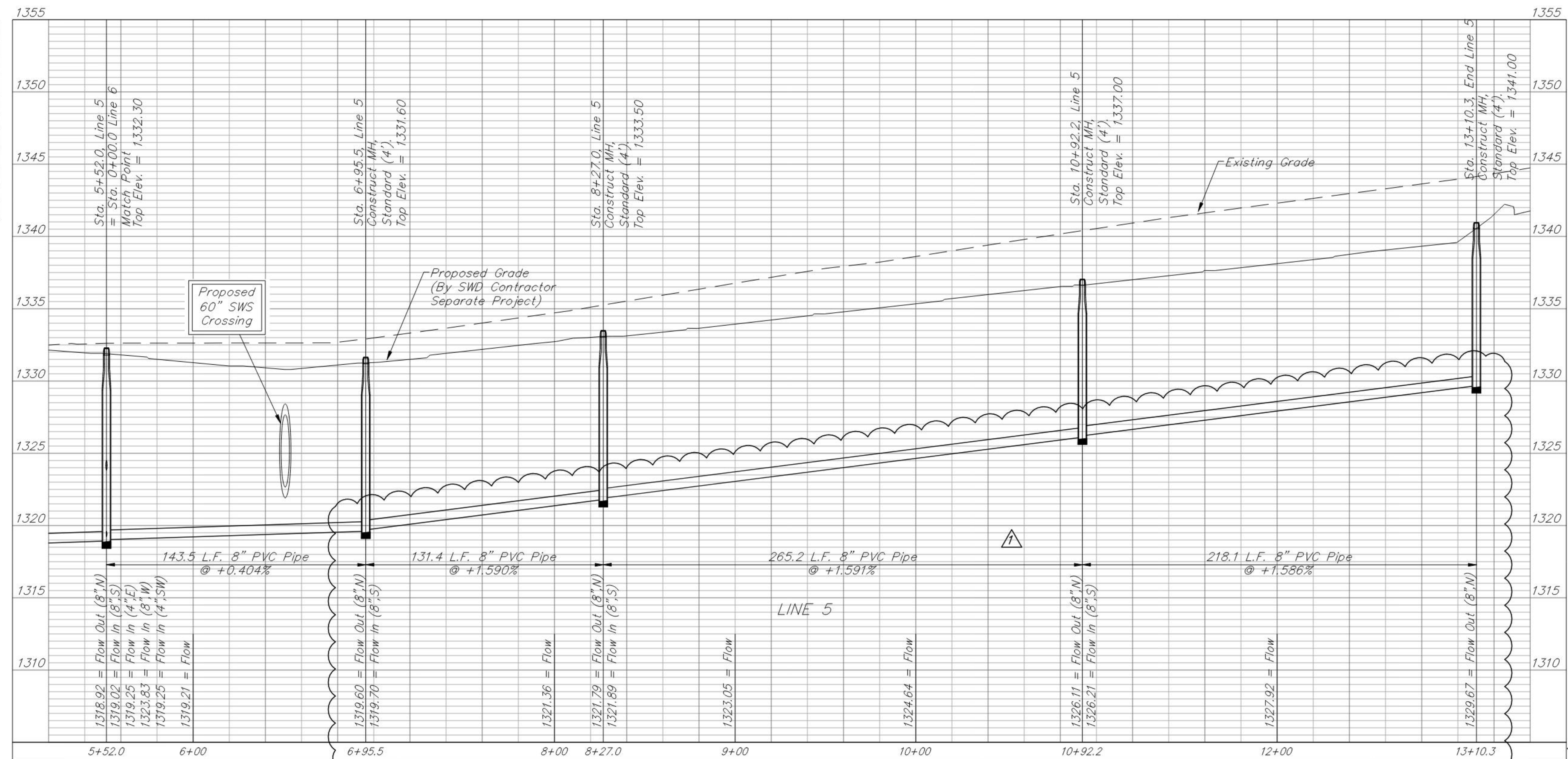


Number	Dist. from Main to Riser (Lt./Rt.)	Distance from	
		Upstream MH	Downstream MH
93	6.5' Lt	110'	33'
94	14' Rt	79'	64'
95	14' Rt	59'	84'
96	6' Rt	57'	86'
97	15' Rt	5'	140'
98	15' Rt	107'	25'
99	15' Rt	55'	77'
100	15' Rt	32'	100'

SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION DIRECTION	APPROXIMATE LENGTH 4" PIPE VERTICAL	HORIZONTAL
93	8" X 4" Tee W/Riser	13	A	5	5+85.0/Lt.	8.5'	6.5'
94	8" X 4" Tee W/Riser	9	A	5	6+16.0/Rt.	-	13.9'
95	8" X 4" Tee W/Riser	10	A	5	6+36.0/Rt.	-	14.2'
96	8" X 4" Tee W/Riser	13	A	5	6+38.0/Rt.	-	5.8'
97	8" X 4" Tee W/Riser	10	A	5	6+90.0/Rt.	-	15.0'
98	8" X 4" Tee W/Riser	11	A	5	7+20.3/Rt.	-	15.0'
99	8" X 4" Tee W/Riser	11	A	5	7+72.3/Rt.	-	15.0'
100	8" X 4" Tee W/Riser	12	A	5	7+95.3/Rt.	-	15.0'

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



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DUGAN WEST KELLOGG COMM. 2ND & 3RD ADD.

LINE 5

SANITARY SEWER IMPROVEMENTS
 PROJECT NUMBER:
 20-08-E679

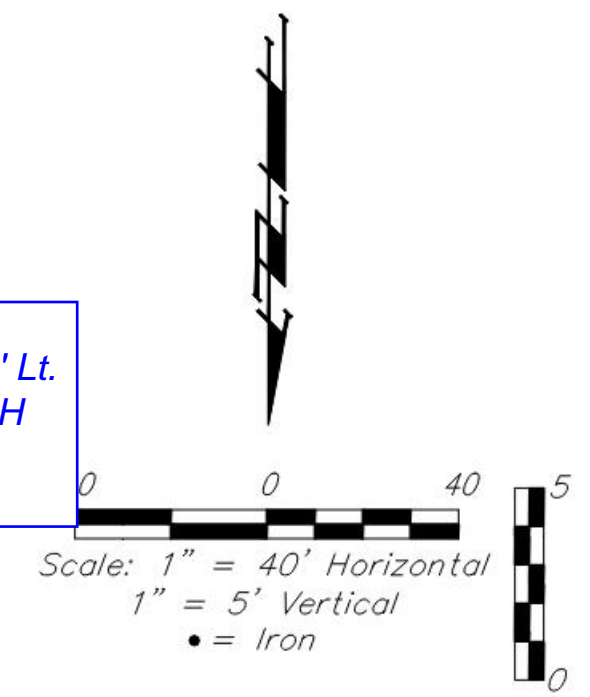
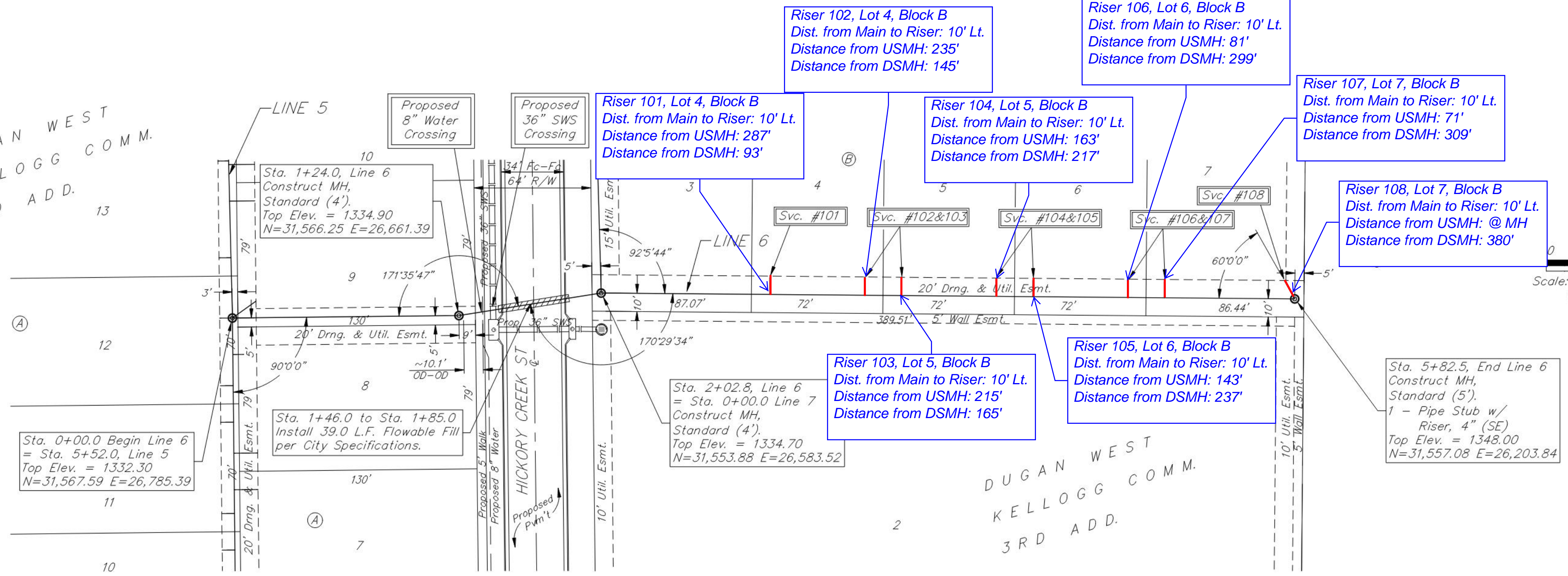
DESIGN: AEG DRAWN: TMS
 DATE: December 15, 2021

E:\Projects\Dugan West Kellogg Commercial 2nd (Russell Duplexes)_20-04-P543\Engineering\Phase 1\SS 20-08-E679\SS Revised.dwg

BENCHMARKS:
 BM #1: Chiseled cross on top of catch basin, 174.1' E. & 35.2' N. of the NW Corner of Lot 1, Block A, Dugan West Kellogg Commercial 2nd Addition. Elev. = 1332.69 NAVD88

BM #2: Chiseled cross on top of catch basin, 179.8' W. & 30.0' N. of the NE Corner of Lot 54, Block A, Dugan West Kellogg Commercial 2nd Addition. Elev. = 1327.03 NAVD88

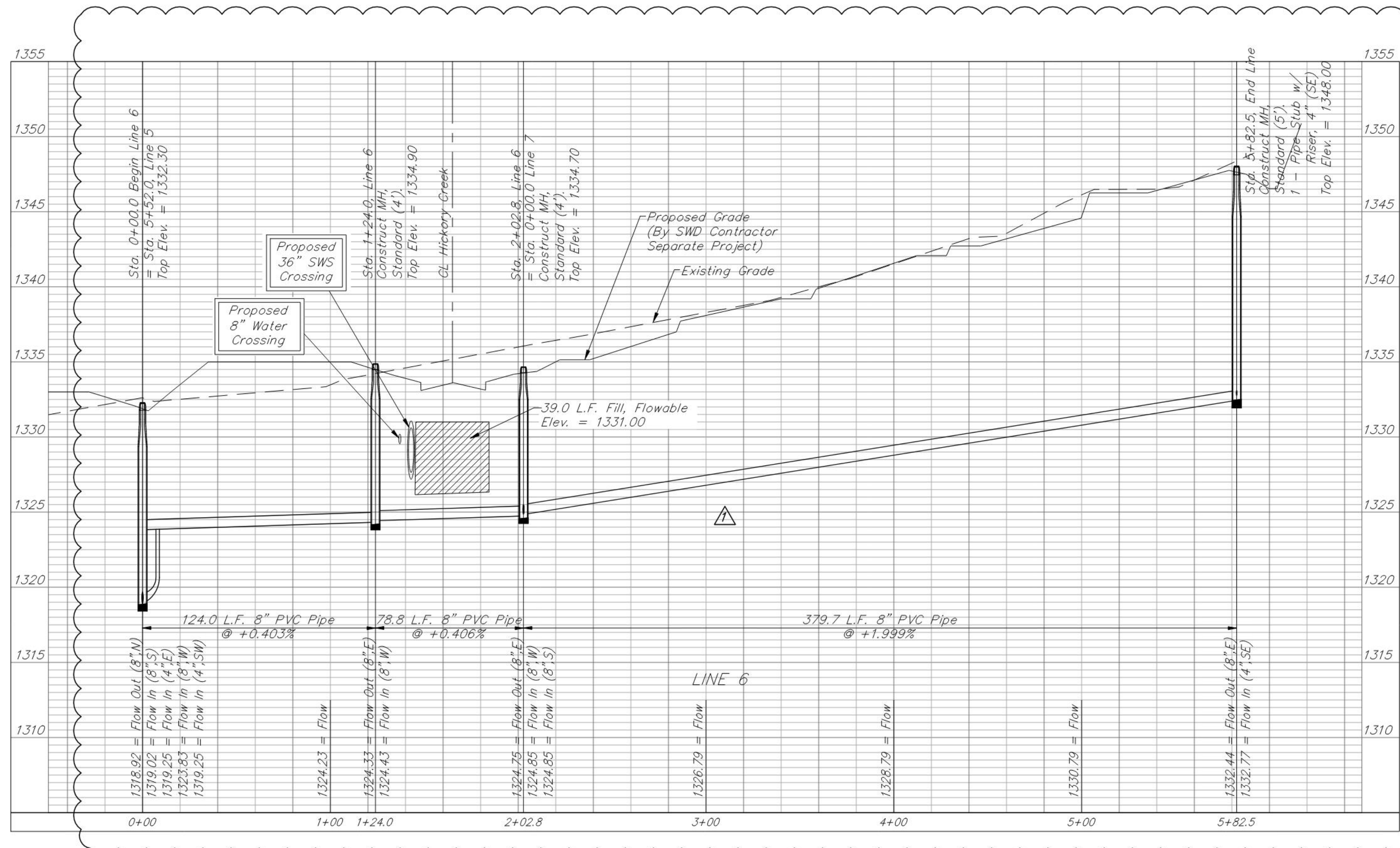
DUGAN WEST
 KELLOGG COMM.
 2ND ADD.



SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION			FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION \ DIRECTION	APPROXIMATE LENGTH 4" PIPE
101	8" X 4" Tee W/Riser	4	B	6	2+95.0/Lt.	7.0' Vertical, 10.0' Horizontal
102	8" X 4" Tee W/Riser	4	B	6	3+47.0/Lt.	7.5' Vertical, 10.0' Horizontal
103	8" X 4" Tee W/Riser	5	B	6	3+67.0/Lt.	8.0' Vertical, 10.0' Horizontal
104	8" X 4" Tee W/Riser	5	B	6	4+19.0/Lt.	9.0' Vertical, 10.0' Horizontal
105	8" X 4" Tee W/Riser	6	B	6	4+39.0/Lt.	9.0' Vertical, 10.0' Horizontal
106	8" X 4" Tee W/Riser	6	B	6	5+01.0/Lt.	9.5' Vertical, 10.0' Horizontal
107	8" X 4" Tee W/Riser	7	B	6	5+11.0/Lt.	9.5' Vertical, 10.0' Horizontal
108	4" Stub W/Riser	7	B	6	5+82.5/Lt.	11.0' Vertical, 10.0' Horizontal

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



12.14.21 Riser #108 change riser type to stub w/riser
 Raise flow on Line 6

Professional Engineer Seal: JUSTIN E. GOTTLOBER, License No. 17919, 12/15/2021, KANSAS PROFESSIONAL ENGINEER.

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

DUGAN WEST KELLOGG COMM. 2ND & 3RD ADD.

LINE 6

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER: 20-08-E679

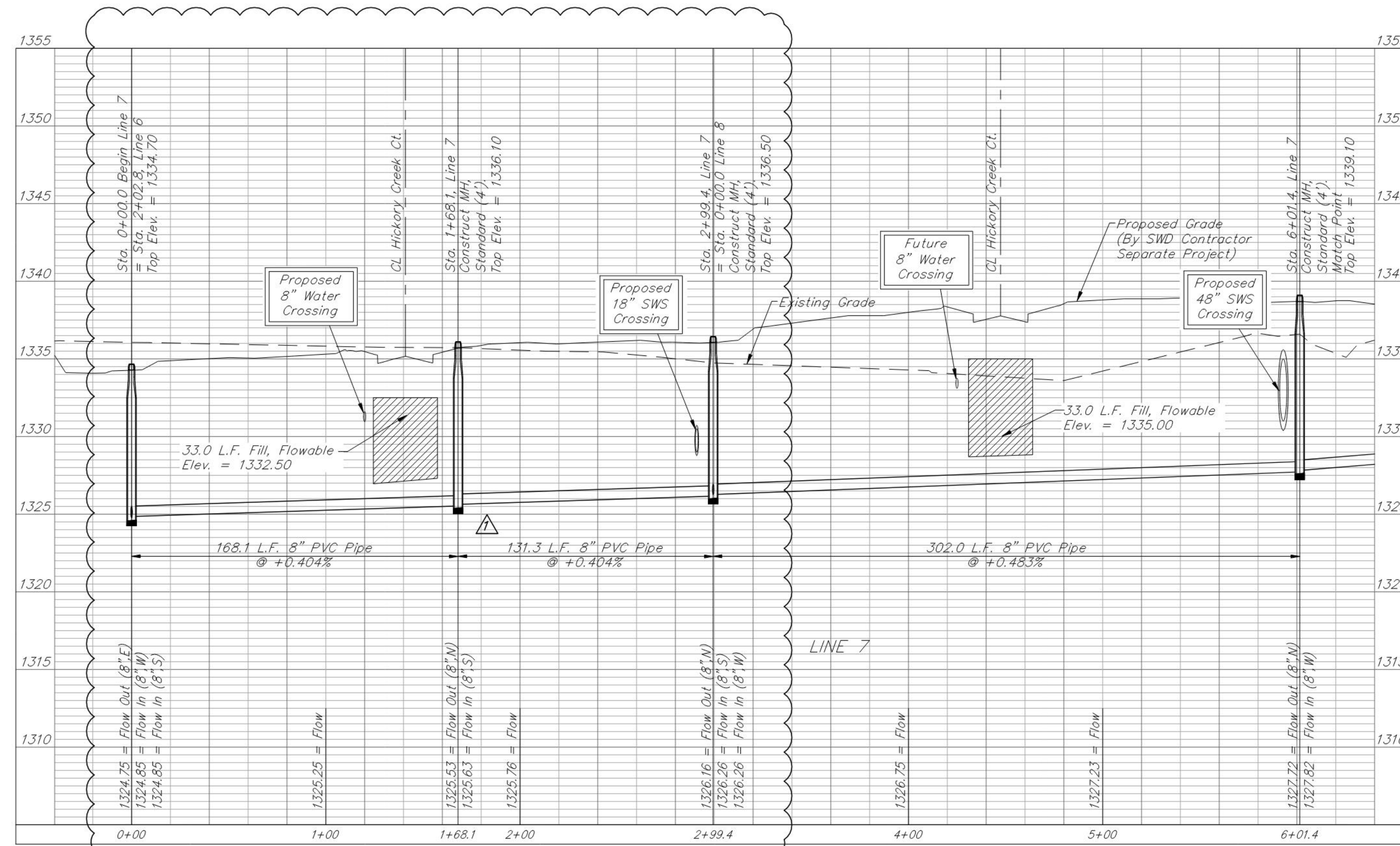
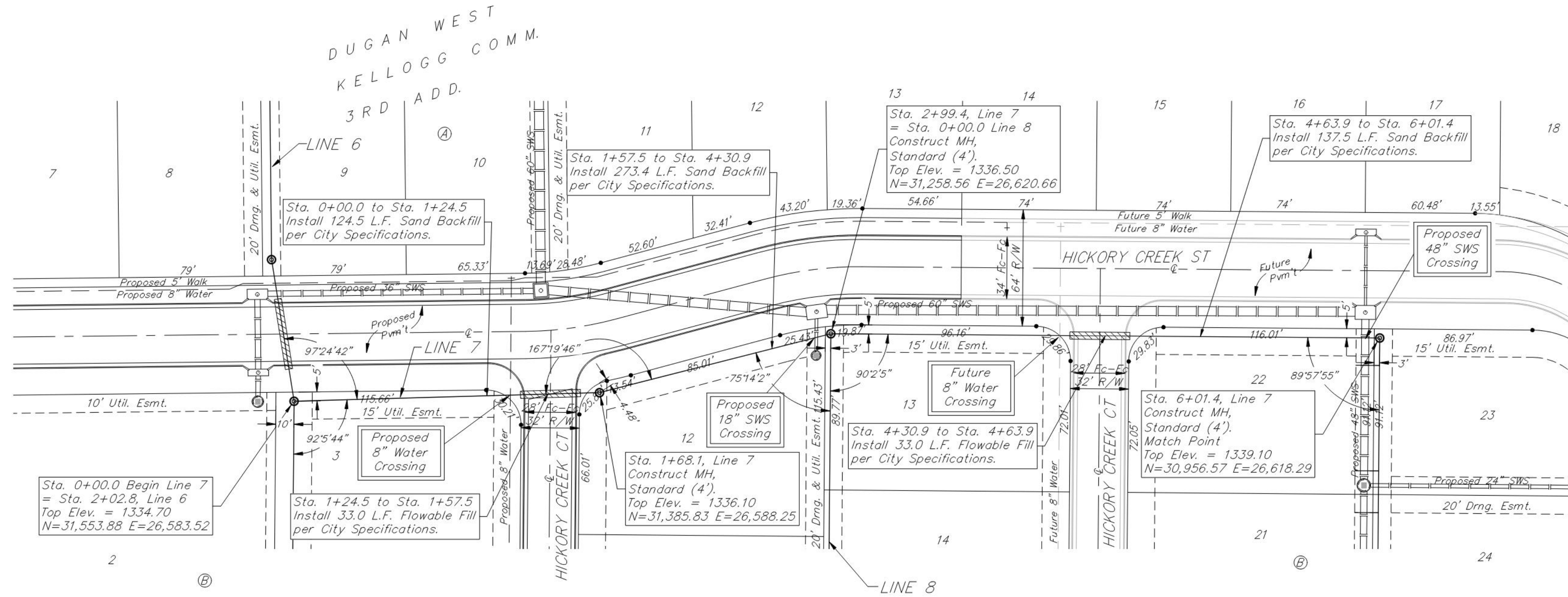
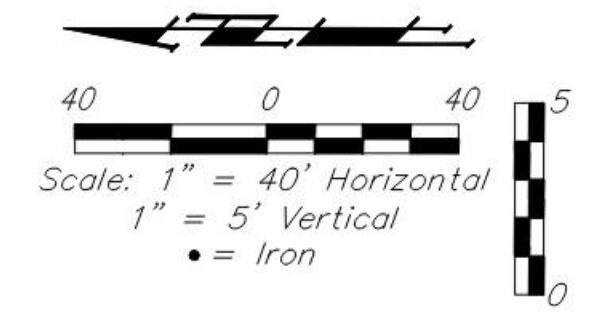
DESIGN: AEG DRAWN: TMS

DATE: December 15, 2021

SHEET 12 OF 28

BENCHMARKS:
 BM #1: Chiseled cross on top of catch basin, 174.1' E. & 35.2' N. of the NW Corner of Lot 1, Block A, Dugan West Kellogg Commercial 2nd Addition. Elev. = 1332.69 NAVD88

BM #2: Chiseled cross on top of catch basin, 179.8' W. & 30.0' N. of the NE Corner of Lot 54, Block A, Dugan West Kellogg Commercial 2nd Addition. Elev. = 1327.03 NAVD88



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DUGAN WEST KELLOGG COMM. 2ND & 3RD ADD.

LINE 7

SANITARY SEWER IMPROVEMENTS

PROJECT NUMBER:
 20-08-E679

DESIGN: AEG DRAWN: TMS

DATE: December 15, 2021

SHEET **13** OF **28**

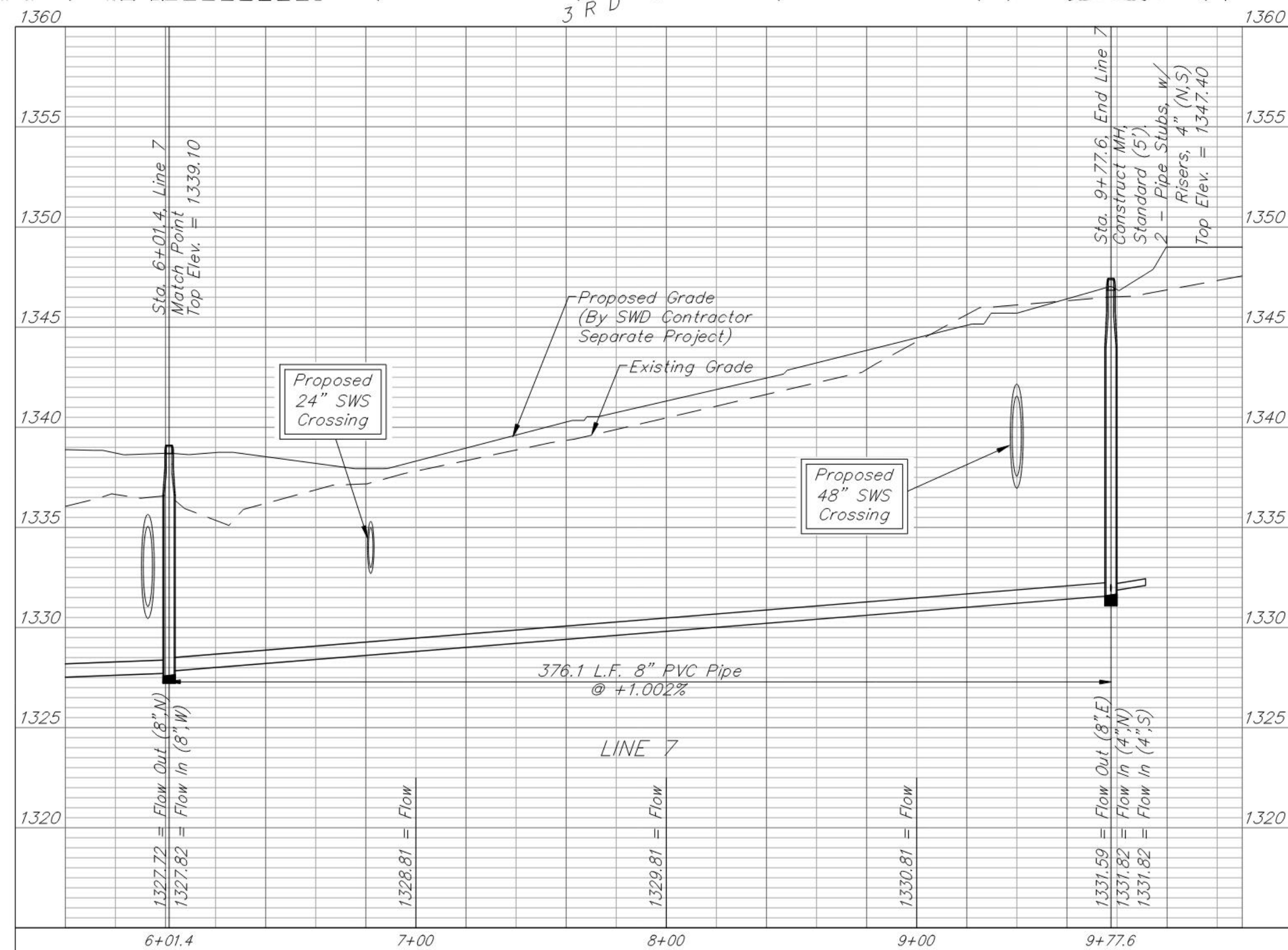
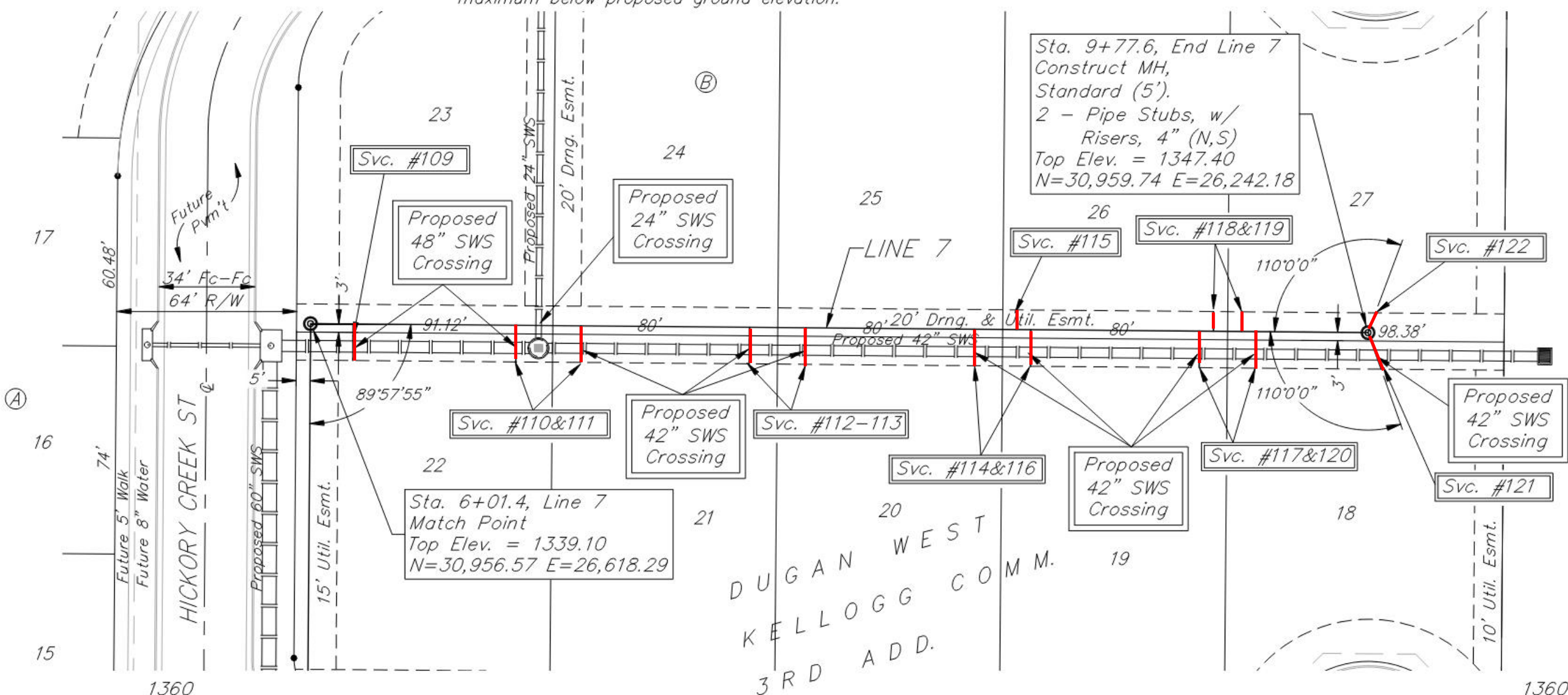
12.14.21 Raise flows on Line 7 Sta. 0+00.0 to 2+99.4

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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	HORIZONTAL
13' Rt.	361'	15'	109	8" X 4" Tee W/Riser	22	B	7	6+16.5/Rt.	-	13.0'
13' Rt.	303'	73'	110	8" X 4" Tee W/Riser	22	B	7	6+74.5/Rt.	-	13.0'
13' Rt.	280'	96'	111	8" X 4" Tee W/Riser	21	B	7	6+97.5/Rt.	-	13.0'
13' Rt.	220'	156'	112	8" X 4" Tee W/Riser	21	B	7	7+57.5/Rt.	-	13.0'
13' Rt.	200'	176'	113	8" X 4" Tee W/Riser	20	B	7	7+77.5/Rt.	-	13.0'
13' Rt.	140'	236'	114	8" X 4" Tee W/Riser	20	B	7	8+37.5/Rt.	8.5'	13.0'
7' Lt.	125'	251'	115	8" X 4" Tee W/Riser	26	B	7	8+52.5/Lt.	8.5'	7.0'
13' Rt.	120'	256'	116	8" X 4" Tee W/Riser	19	B	7	8+57.5/Rt.	8.5'	13.0'
13' Rt.	60'	316'	117	8" X 4" Tee W/Riser	19	B	7	9+17.5/Rt.	10.0'	13.0'
7' Lt.	55'	321'	118	8" X 4" Tee W/Riser	26	B	7	9+22.5/Lt.	10.0'	7.0'
7' Lt.	45'	331'	119	8" X 4" Tee W/Riser	27	B	7	9+32.5/Lt.	10.0'	7.0'
13' Rt.	40'	336'	120	8" X 4" Tee W/Riser	18	B	7	9+37.5/Rt.	10.0'	13.0'
14' Rt.	@ mh	376'	121	4" Stub W/Riser	18	B	7	9+77.6/Rt.	10.0'	13.8'
7.5' Rt.	@ mh	376'	122	4" Stub W/Riser	27	B	7	9+77.6/Lt.	10.0'	7.5'

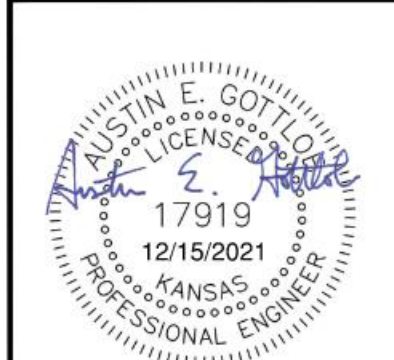
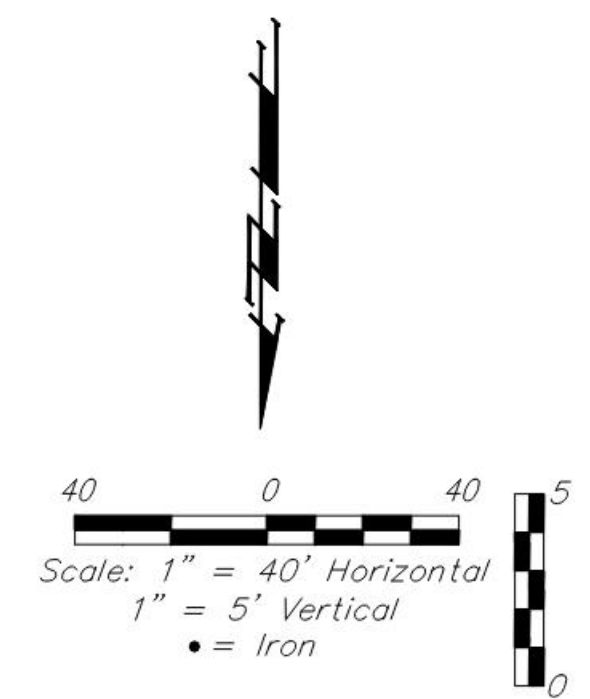
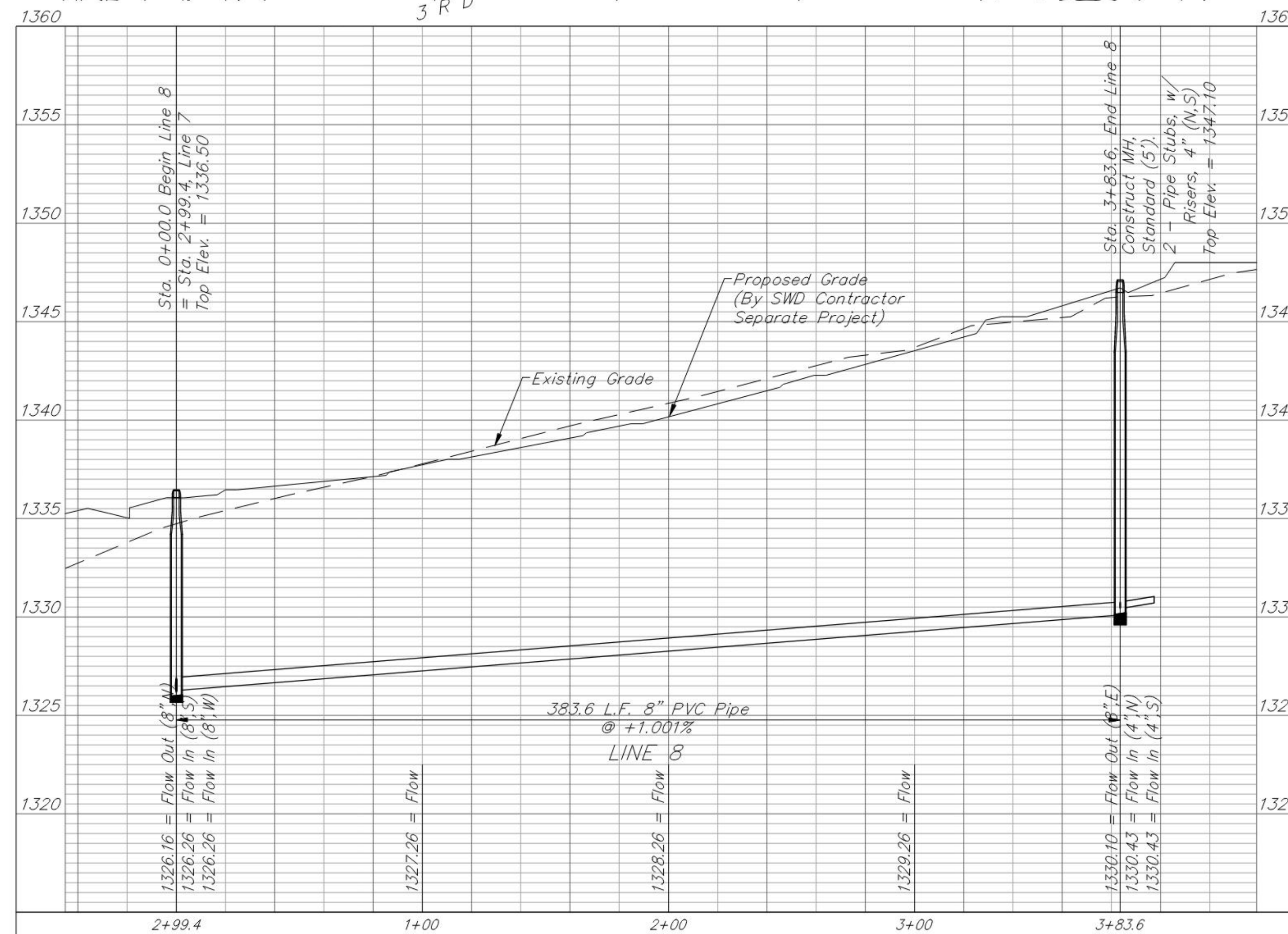
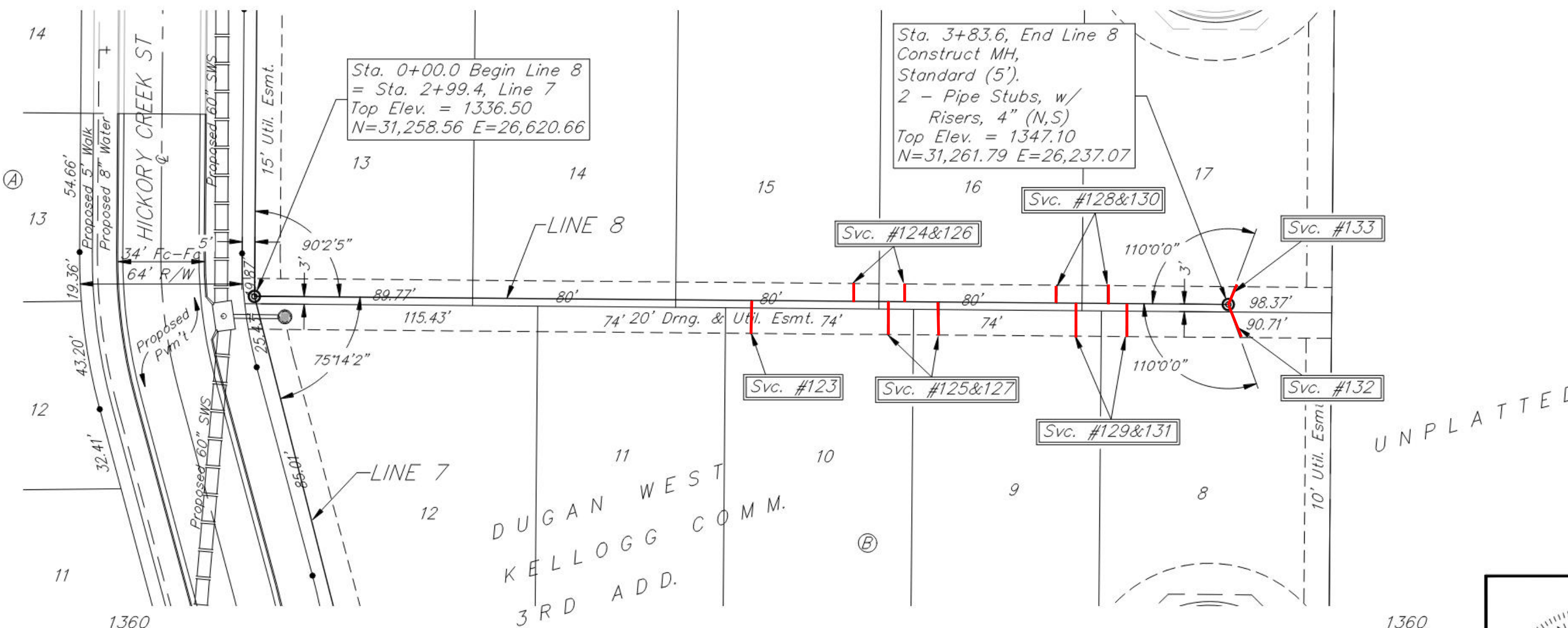
NOTE: Vertical Riser Pipe shall be extended to 2' minimum above ground water elevation and 4' maximum below proposed ground elevation.



SEWER SERVICE TABLE

Dist. 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
13' Rt.	188'	195'	123	8" X 4" Tee W/Riser	10	B	8	1+95.6/Rt.	-	13.0'
7' Lt.	148'	235'	124	8" X 4" Tee W/Riser	15	B	8	2+35.9/Lt.	9.5'	7.0'
13' Rt.	134'	249'	125	8" X 4" Tee W/Riser	10	B	8	2+49.6/Rt.	9.5'	13.0'
7' Lt.	128'	255'	126	8" X 4" Tee W/Riser	16	B	8	2+55.9/Lt.	9.5'	7.0'
13' Rt.	114'	269'	127	8" X 4" Tee W/Riser	9	B	8	2+69.6/Rt.	9.5'	13.0'
7' Lt.	67'	316'	128	8" X 4" Tee W/Riser	16	B	8	3+16.0/Lt.	10.5'	7.0'
13' Rt.	60'	323'	129	8" X 4" Tee W/Riser	9	B	8	3+23.6/Rt.	10.5'	13.0'
7' Lt.	47'	336'	130	8" X 4" Tee W/Riser	17	B	8	3+36.0/Lt.	11.5'	7.0'
13' Rt.	40'	343'	131	8" X 4" Tee W/Riser	8	B	8	3+43.6/Rt.	11.5'	13.0'
14' Rt.	MH	383'	132	4" Stub W/Riser	8	B	8	3+83.6/Rt.	12.5'	13.8'
7.5' Lt.	MH	383'	133	4" Stub W/Riser	17	B	8	3+83.6/Lt.	12.5'	7.5'

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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DUGAN WEST KELLOGG COMM. 2ND & 3RD ADD.
LINES 7 & 8
 SANITARY SEWER IMPROVEMENTS
 PROJECT NUMBER: 20-08-E679
 DESIGN: AEG DRAWN: TMS
 DATE: December 14, 2021
 SHEET 14 OF 28

File: E:\Projects\Dugan West Kellogg Commercial 2nd(Russell Duplexes)_20-04-P543(Engineering)\Phase 1\SS 20-08-E679\SS Revised.dwg

IRONS

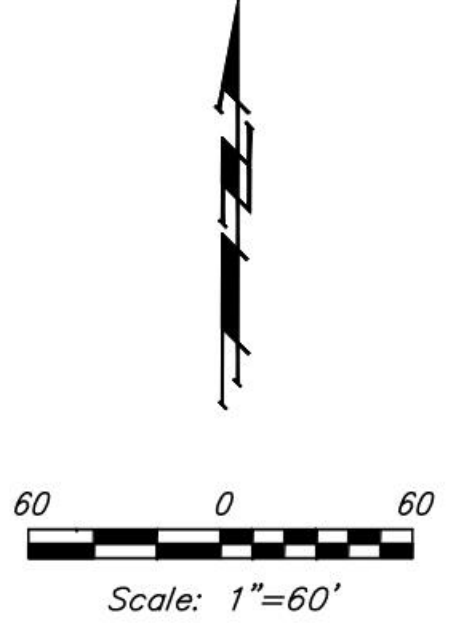
Point Table			
Point #	Northing	Easting	Raw Description
1	32376.94	26997.59	iron
2	32377.63	27061.59	iron
3	32216.39	27063.34	iron
4	32215.70	26999.34	iron
5	32129.54	26963.31	iron
6	32083.50	27007.77	iron
7	31997.33	26971.74	iron
8	31996.64	26907.75	iron
9	31423.27	26913.96	iron
10	31423.97	26977.95	iron
11	31385.73	26990.23	iron
12	31349.04	26937.79	iron
13	31309.53	26950.06	iron
14	30903.96	26946.89	iron
15	30903.46	27010.89	iron
16	30856.34	27069.79	iron
17	30794.01	27084.33	iron
18	30832.33	27248.63	iron
19	30894.66	27234.09	iron
20	30941.03	27271.19	iron
21	30940.53	27335.19	iron
22	31217.44	27337.36	iron

Point Table			
Point #	Northing	Easting	Raw Description
23	31217.94	27273.36	iron
24	31266.31	27224.84	iron
25	31330.31	27224.15	iron
26	31328.02	27012.84	iron
27	31264.03	27013.71	iron
28	31301.36	27300.51	iron
29	31276.72	27320.93	iron
30	31306.30	27356.63	iron
31	31330.94	27336.21	iron
32	31353.01	27398.21	iron
33	31321.01	27397.96	iron
34	31320.62	27448.17	iron
35	31352.62	27448.42	iron
36	32382.50	27511.48	iron
37	30757.18	27498.76	iron
38	30697.05	27240.96	iron
39	32371.70	26514.66	iron
40	32370.95	26444.67	iron
41	32320.95	26445.21	iron
42	32271.02	26451.75	iron
43	32121.72	26517.37	iron
44	32039.95	26518.26	iron

Point Table			
Point #	Northing	Easting	Raw Description
45	32039.26	26454.26	iron
46	31930.36	26545.74	iron
47	31993.28	26557.46	iron
48	31967.43	26610.75	iron
49	31943.12	26631.56	iron
50	31949.35	26638.84	iron
51	31973.66	26618.03	iron
52	31993.37	26670.47	iron
53	31961.37	26670.82	iron
54	31962.26	26753.11	iron
55	31994.26	26752.76	iron
56	31884.39	26648.95	iron
57	31883.69	26584.95	iron
58	31426.83	26653.90	iron
59	31385.16	26659.62	iron
60	31368.60	26597.80	iron
61	31286.49	26619.80	iron
62	31303.05	26681.62	iron
63	31241.19	26689.52	iron
64	31241.69	26625.52	iron
65	30904.05	26686.88	iron
66	30872.55	26622.63	iron

Point Table			
Point #	Northing	Easting	Raw Description
67	30824.93	26574.23	iron
68	30792.93	26573.94	iron
69	30795.39	26283.13	iron
70	30788.39	26268.24	iron
71	30834.63	26268.63	iron
72	30827.38	26283.40	iron
73	30834.70	26662.14	iron
74	30799.36	26612.29	iron
75	30794.30	26632.63	iron
76	30807.41	26665.79	iron
77	30795.23	26702.85	iron
78	30763.23	26702.60	iron
79	30794.34	26816.03	iron
80	30762.34	26815.78	iron
81	31075.53	26624.22	iron
82	31094.68	26605.38	iron
83	31126.68	26605.61	iron
84	31145.53	26624.77	iron
85	31129.37	26285.95	iron
86	31136.62	26271.18	iron
87	31090.38	26270.79	iron
88	31097.38	26285.68	iron

Point Table			
Point #	Northing	Easting	Raw Description
89	31381.78	26594.68	iron
90	31396.94	26576.23	iron
91	31428.99	26570.51	iron
92	31448.19	26589.67	iron
93	31431.36	26288.50	iron
94	31438.61	26273.73	iron
95	31392.36	26273.34	iron
96	31399.36	26288.23	iron
97	30631.86	26814.76	iron
98	30635.20	26359.02	iron
99	30650.19	26191.19	iron
100	32368.36	26205.68	iron
101	32124.52	26776.35	iron
102	31423.44	26783.95	iron
103	31289.27	26819.90	iron



SANITARY SEWER

Point Table			
Point #	Northing	Easting	Raw Description
8000	32127.19	27484.48	0+00
8001	32123.93	27183.12	3+01.4
8002	32119.56	26779.41	7+05.1
8003	32115.97	26448.43	10+36.1
8004	32113.43	26213.53	12+71.0
8005	31965.47	27099.10	1+79.4
8006	31754.87	27101.38	3+90.0
8007	31464.03	27104.53	6+80.8
8008	31464.69	27165.28	7+41.6
8009	31472.58	27454.36	10+30.8
8010	31159.64	27451.91	13+43.7
8011	30842.73	27449.43	16+60.6
8012	30837.63	27299.82	18+10.3
8013	30791.37	27103.82	20+11.7
8014	30757.38	26810.74	23+06.7
8015	30787.30	26632.57	24+90.0
8016	30785.02	26200.90	29+21.7
8017	31462.64	26975.54	1+29.0
8018	31262.69	27167.47	2+02.0
8019	31262.40	27140.70	2+28.8
8020	30875.25	27137.67	6+15.9
8021	31567.59	26785.39	5+52.0
8022	31424.13	26788.94	6+95.5
8023	31297.16	26822.96	8+27.0
8024	31031.94	26820.89	10+92.2
8025	30813.86	26819.18	13+10.3
8026	31566.25	26661.39	1+24.0
8027	31553.88	26583.52	2+02.8
8028	31557.08	26203.84	5+82.5
8029	31385.83	26588.25	1+68.1
8030	31258.56	26620.66	2+99.4
8031	30956.57	26618.29	6+01.4
8032	30959.74	26242.18	9+77.6
8033	31261.79	26237.07	3+83.6
8034	30758.15	26712.84	24+04.7



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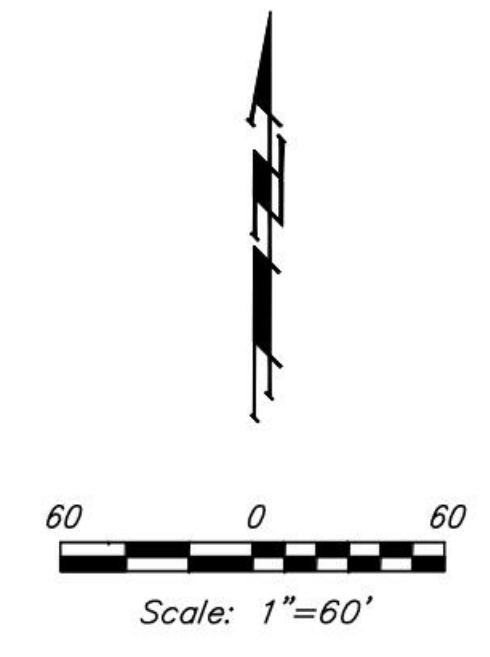
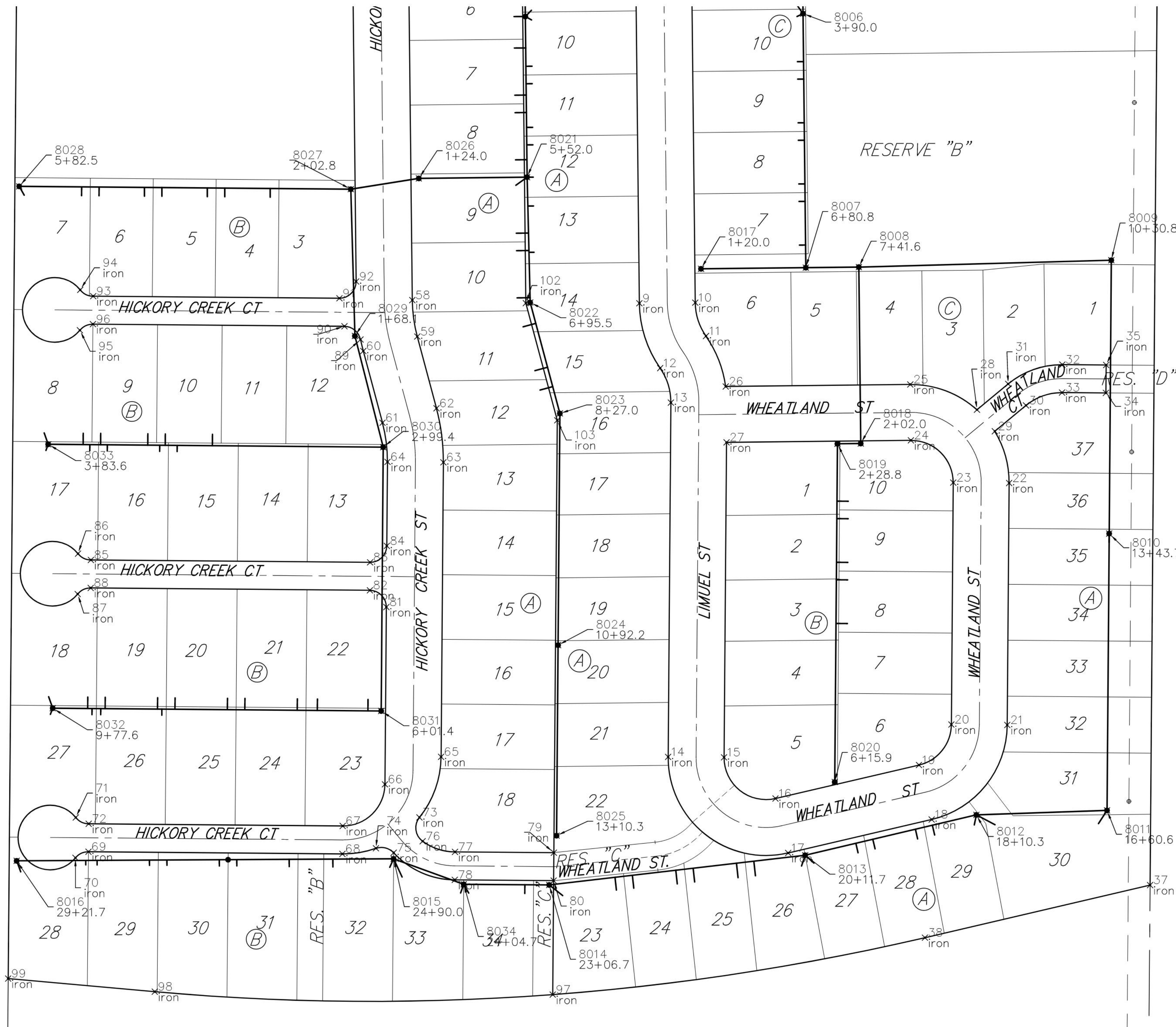
COORDINATE SHEET

SANITARY SEWER
 IMPROVEMENTS

PROJECT NUMBER:
 20-08-E679

DESIGN: AEG DRAWN: TMS
 DATE: December 14, 2021

SHEET **25** OF **28**





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DUGAN WEST KELLOGG
COMM. 2ND & 3RD ADD.

COORDINATE SHEET

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SHEET OF
26 28

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