

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:
 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
 Westar 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.

- All of Res. "B" disturbed during construction shall be seeded and mulched as follows:
 Seed -- Kansas Premium Fescue Blend; 8 lbs. PLS/1000 Sq. Ft.
 Annual Rye grass; 3 lbs./1000 Sq. Ft.
 Fertilizer -- 12-24-12 Ratio; 45 Lbs./Ac.
 Mulch -- 2 Tons Prairie Hay/Ac.
 All other 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".
 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 5 lbs./1000 Sq. Ft. unless otherwise noted and shall be planted when permanent seed or sod cannot be used due to seasonal limitations. If the "Seeding, Temporary" bid item is not used, 100% of the pay item will be deducted from the contract. All costs associated with temporary seeding including mobilization, preparation of ground, seeding, etc., shall be included in the L.S. bid item "Seeding, Temporary".

- The developer for this project is Castlegate Development LLC, Rodney Ketzner, Manager.

SANITARY SEWER IMPROVEMENTS to serve CASTLEGATE 3RD ADDITION

CITY OF WICHITA, KANSAS

Gary Janzen, P.E. City Engineer

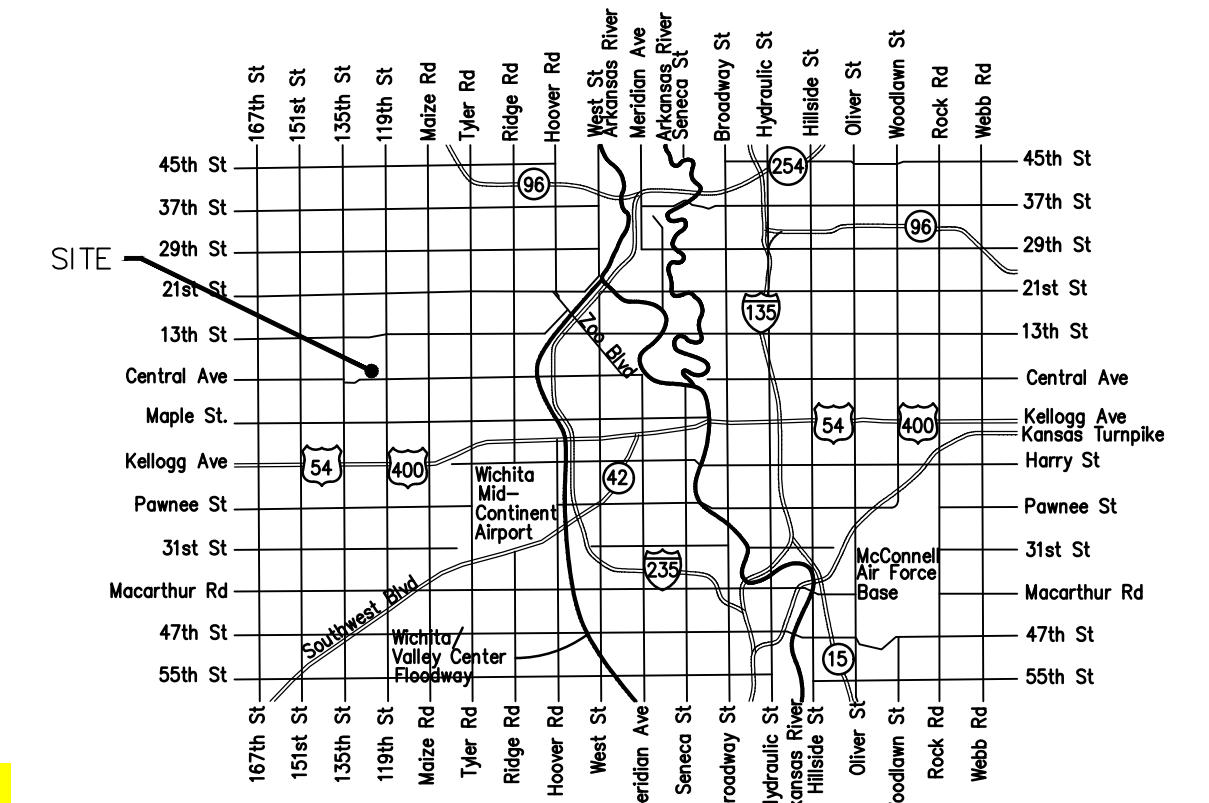
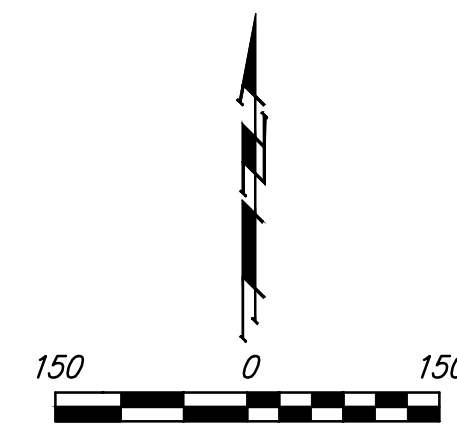
Project Number
468-2019-017401

O.C.A. Number
744517

Benchmarks

BM #1: CHISELED CROSS CUT ON TOP OF CATCH BASIN, NORTH SIDE OF CENTRAL, 25.4' SOUTH & 95.7' WEST OF THE SOUTHWEST CORNER OF LOT 1, BLOCK A, CASTLEGATE ADDITION.
ELEV. = 1341.99 (NAVD88)

BM #2: CHISELED PLUS CUT INSIDE OF CHISELED SQUARE CUT, TOP OF CURB ON NORTH SIDE OF CINDY, 2.1' SOUTH & 14.9' EAST OF THE SOUTHEAST CORNER OF RESERVE "E", CASTLEGATE ADDITION.
ELEV. = 1342.39 (NAVD88)

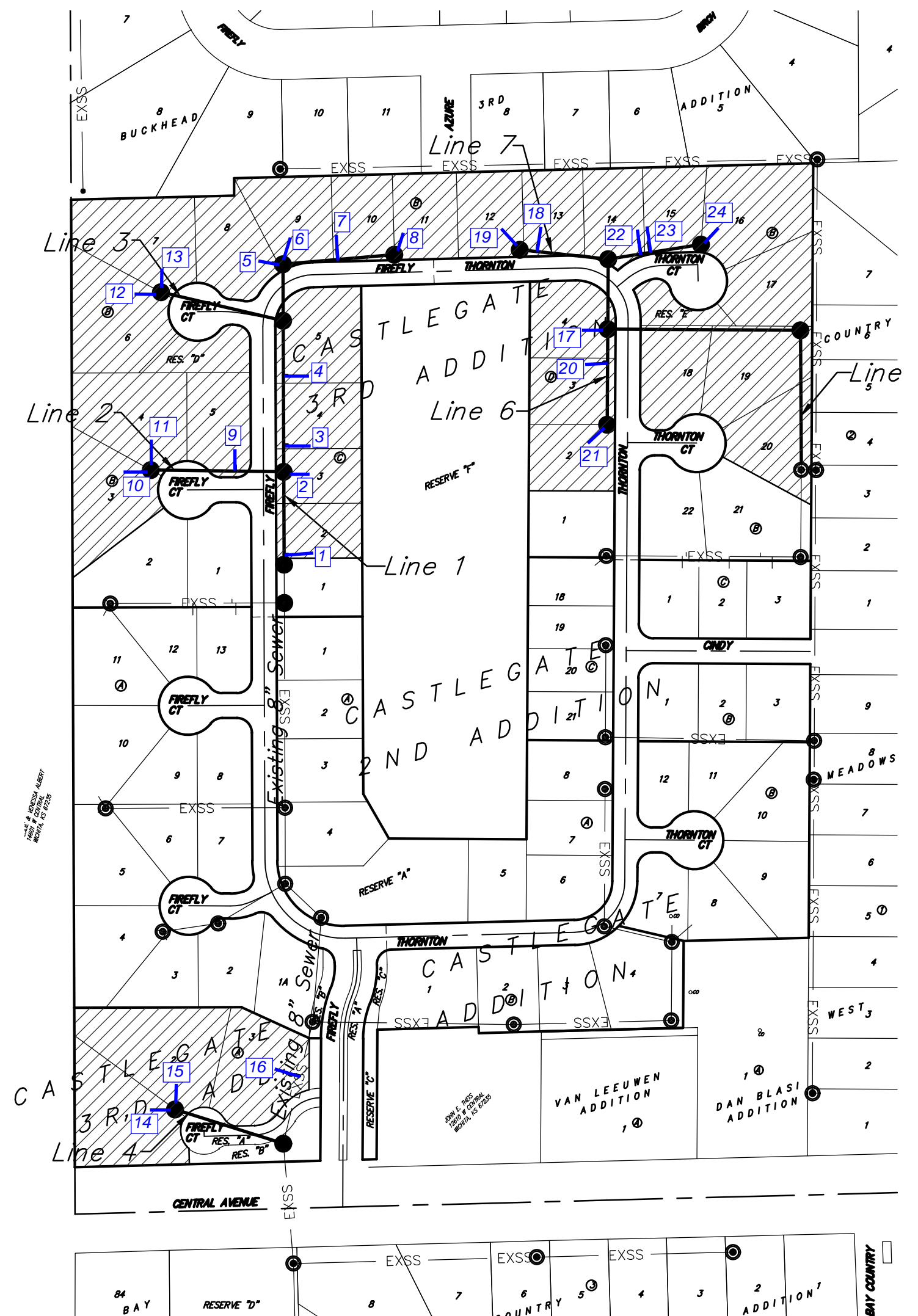


Vicinity Map

Mies Construction - Contractor
 B. Woods - City of Wichita, Field Project Engineer
 L. Powell - Baughman, Inspector
 As-built
 Stubs & Risers
 Release Date (for connection purposes only): 8/14/2020
 Completion Date: 2/8/2021
 pdf: apr 10/7/20

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Benefit District



Sanitary Sewer Riser Location Table

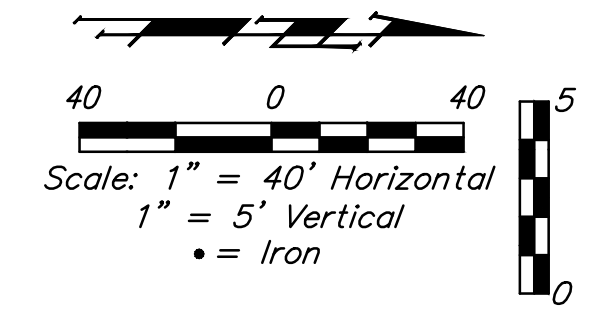
Project Name: Castlegate 3RD Add., Ph. 1 & 2
 Project Location: North of Central Ave, West of 119TH St. West
 Project No.: 468-2019-017401
 OCA No.: 744517
 Contractor: Mies Construction
 Inspector: Larry Powell Baughman Co.

Riser No.	Line No.	Station	Distance From	Distance From	
			Main to Riser (Lt./Rt.)	Upstream MH	Downstream MH
1	1	0+62.0	5' Rt, E.stub@Tee	105.8' North	62.0' South
2	1	1+67.8	5' Rt.	E.Stub@MH	MH
3	1	2+02.0	5' Rt, E.Stub@Tee	159.1' North	34.2' South
4	1	2+91.0	5' Rt, E.Stub@Tee	70.1' North	123.2' South
5	1	4+33.2	13' Lt,	W.Stub@MH	MH
6	1	4+33.2	10' Lt.	NE Stub@MH	MH
7	1	5+03.5	12' Lt, N.stub@Tee	72.8' west	70.3' East
8	1	5+76.3	9' Lt.	NE Stub@MH	MH
9	2	0+62.0	7' Rt, N,Stub@Tee	108.0' West	62.0' East
10	2	1+70.0	5' Lt.	SW Stub@MH	MH
11	2	1+70.0	7.5' Rt.	N, Stub@MH	MH
12	3	1+60.5	6' Lt.	W, Stub@MH	MH
13	3	1+60.5	5.5' Rt.	N, Stub@MH	MH
14	4	1+45.3	6' Lt.	W, Stub@MH	MH
15	4	1+45.3	6' Rt.	N, Stub@MH	MH
16	4	—	7 ^R West, stub@Saddle	72.5' North	88' South
17	5	4+25.0	5' Lt.	W, Stub@MH	MH
18	5	6+06.0	9' Rt, N, stub@Tee	22' West	91.6' East
19	5	6+28.0	7' Rt,	NE Stub@MH	MH
20	6	0+42.3	5' Rt, stub@Saddle	80' South	42.3' North
21	6	1+22.3	6' Rt.	SW Stub@MH	MH
22	7	0+42.1	16' Lt, N, stub@Tee	78' East	42.1' West
23	7	0+54.1	14' Lt, N, stub@Tee	66' East	54.1' West
24	7	1+20.1	6' Lt.	NE Stub@MH	MH

DATE: 8-11-20

BENCHMARKS:
 BM #1: CHISELED CROSS CUT ON TOP OF CATCH BASIN, NORTH SIDE OF CENTRAL, 25.4' SOUTH & 95.7' WEST OF THE SOUTHWEST CORNER OF LOT 1, BLOCK A, CASTLEGATE ADDITION.
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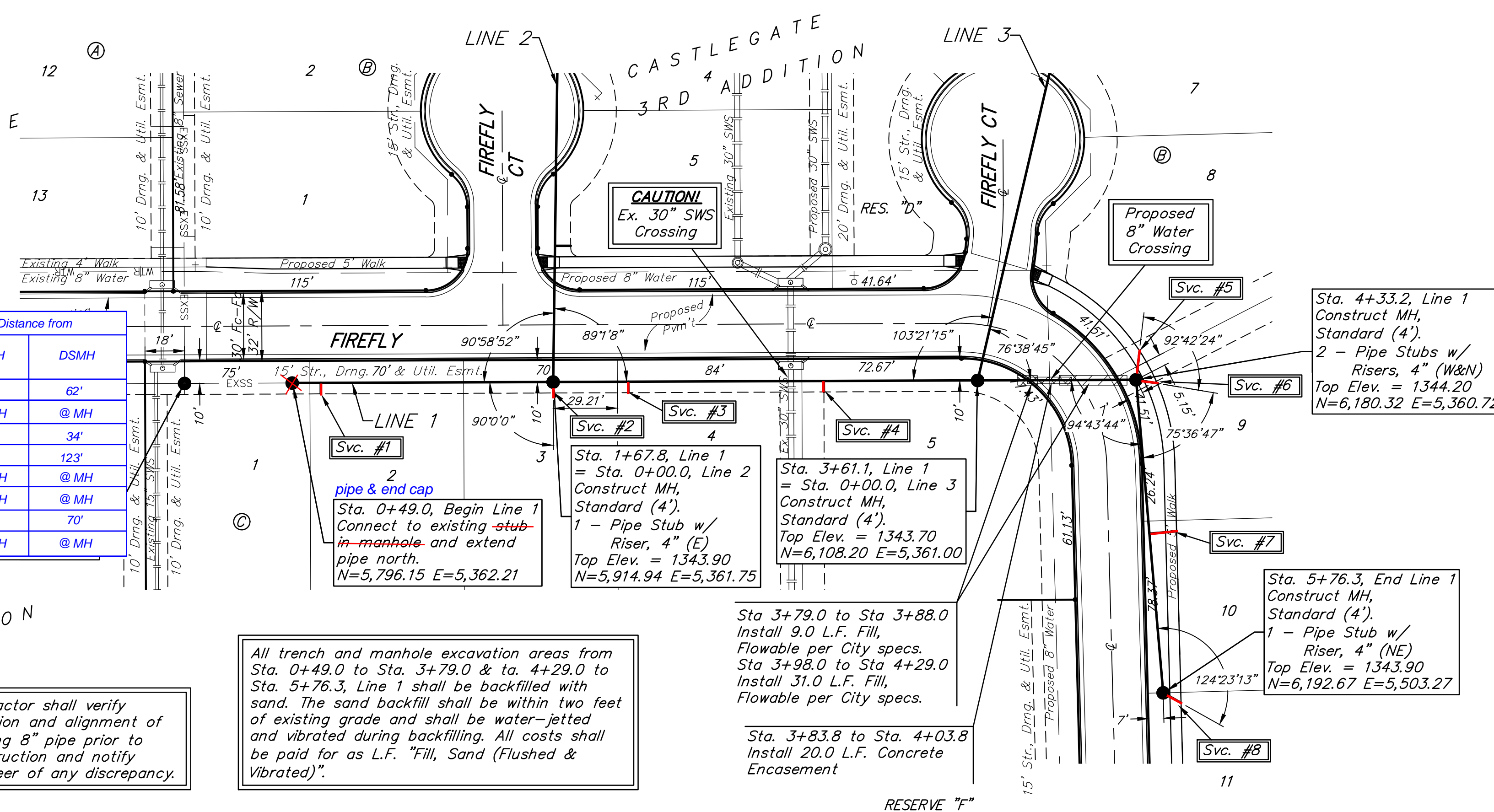
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 ELEV. = 1342.39 (NAVD88)



SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION			FOR INFORMATION ONLY		Distance from			
		LOT NO.	BLOCK NO.	LINE NO.	STATION \ DIRECTION	APPROXIMATE LENGTH 4" PIPE VERTICAL	HORIZONTAL	Main to Riser (L/Rt.)	USMH	DSMH
1	8" X 4" Tee W/Riser	2	C	1	0+62.0/Rt.	4.0'	5.0'	5' Rt.	106'	62'
2	4" Stub W/Riser	3	C	1	1+67.8/Rt.	4.0'	5.0'	5' Rt.	@ MH	@ MH
3	8" X 4" Tee W/Riser	4	C	1	2+02.0/Rt.	4.0'	5.0'	5' Rt.	159'	34'
4	8" X 4" Tee W/Riser	5	C	1	2+91.0/Rt.	3.0'	5.0'	5' Rt.	70'	123'
5	4" Stub W/Riser	8	B	1	4+33.2/Lt.	3.0'	13.3'	13' Lt.	@ MH	@ MH
6	4" Stub W/Riser	9	B	1	4+33.2/Lt.	3.0'	10.0'	10' Lt.	@ MH	@ MH
7	8" X 4" Tee W/Riser	10	B	1	5+03.5/Lt.	3.0'	12.4'	12' Lt.	73'	70'
8	4" Stub W/Riser	11	B	1	5+76.3/Lt.	2.5'	9.3'	9' Lt.	@ MH	@ MH

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



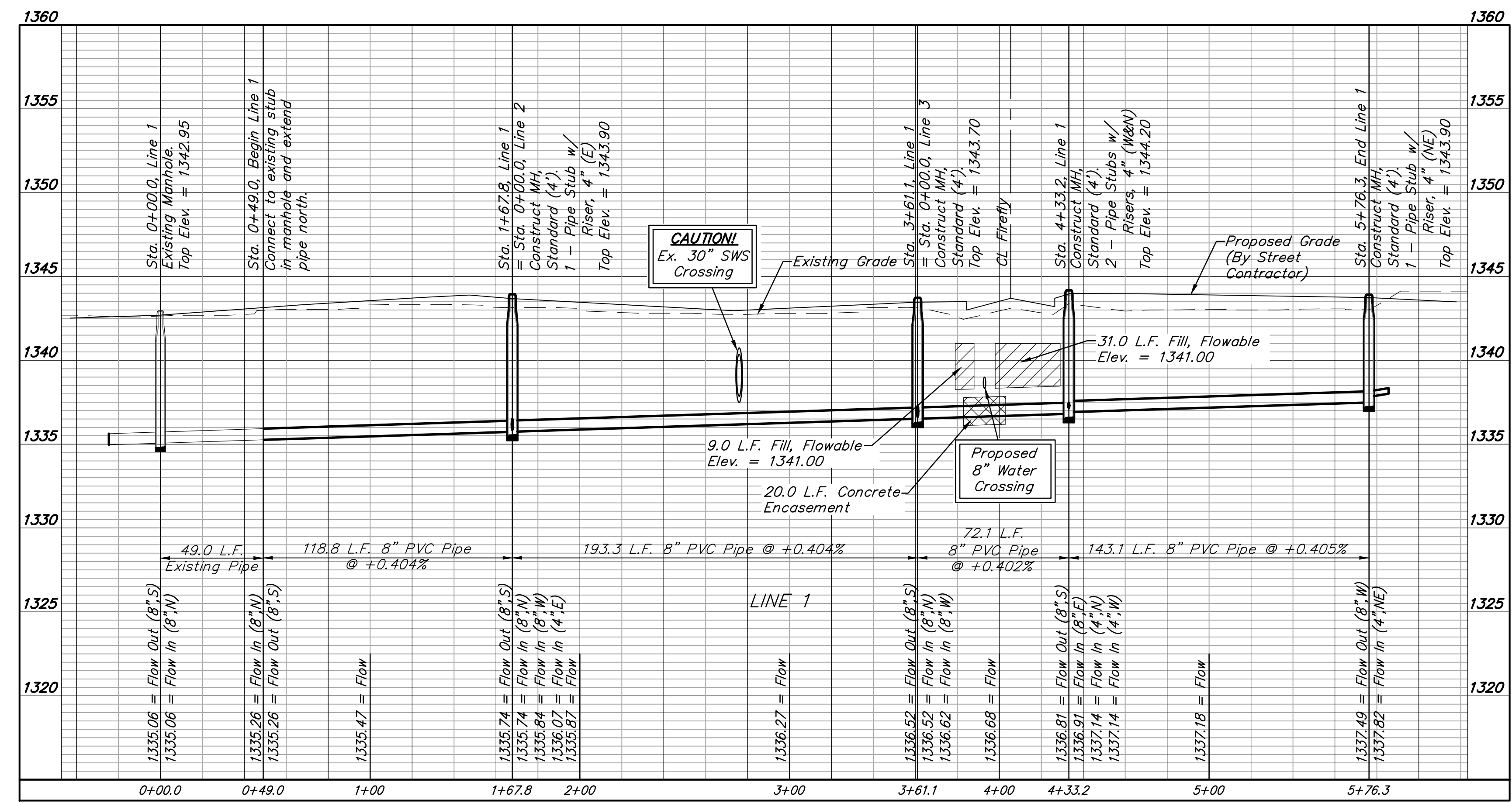
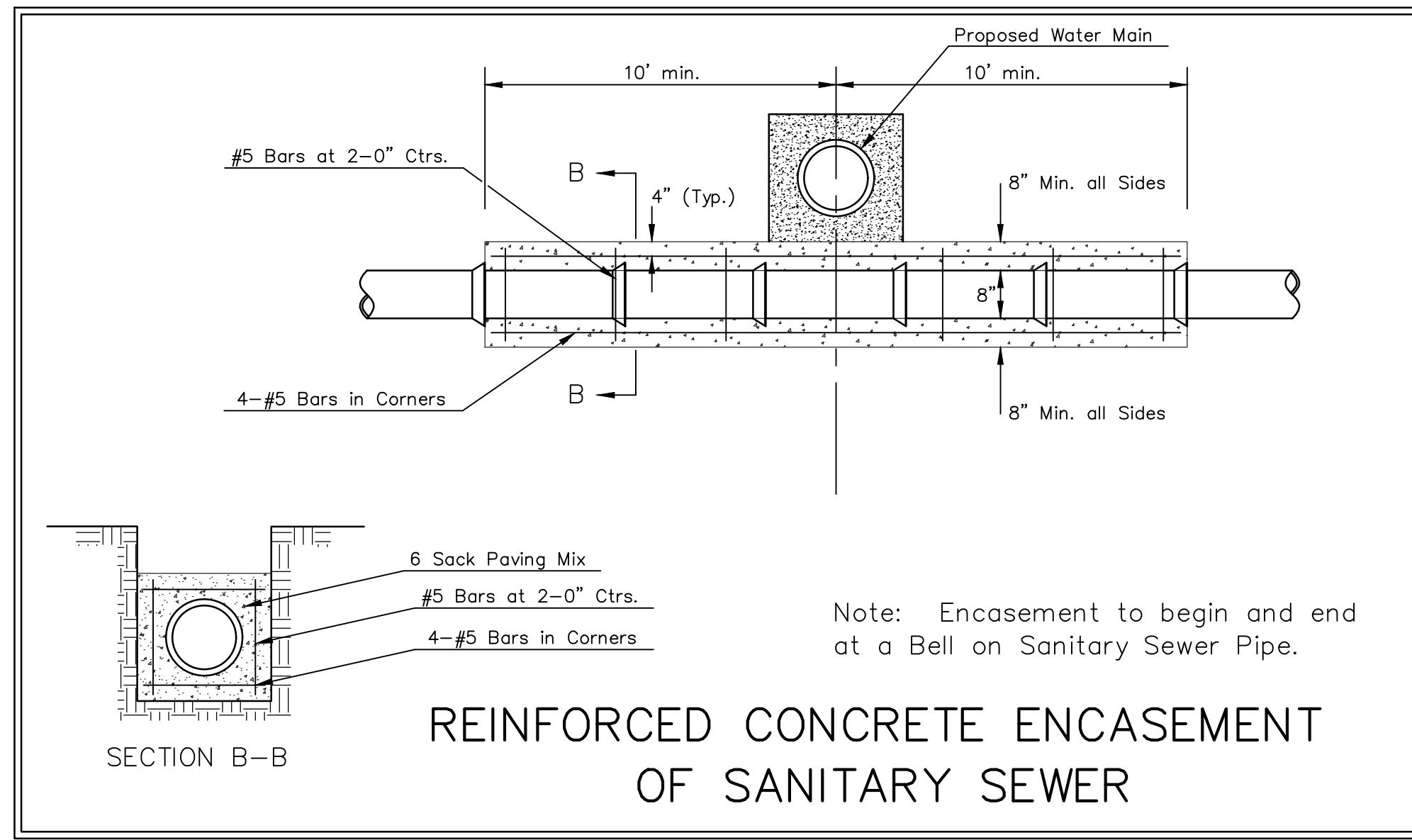
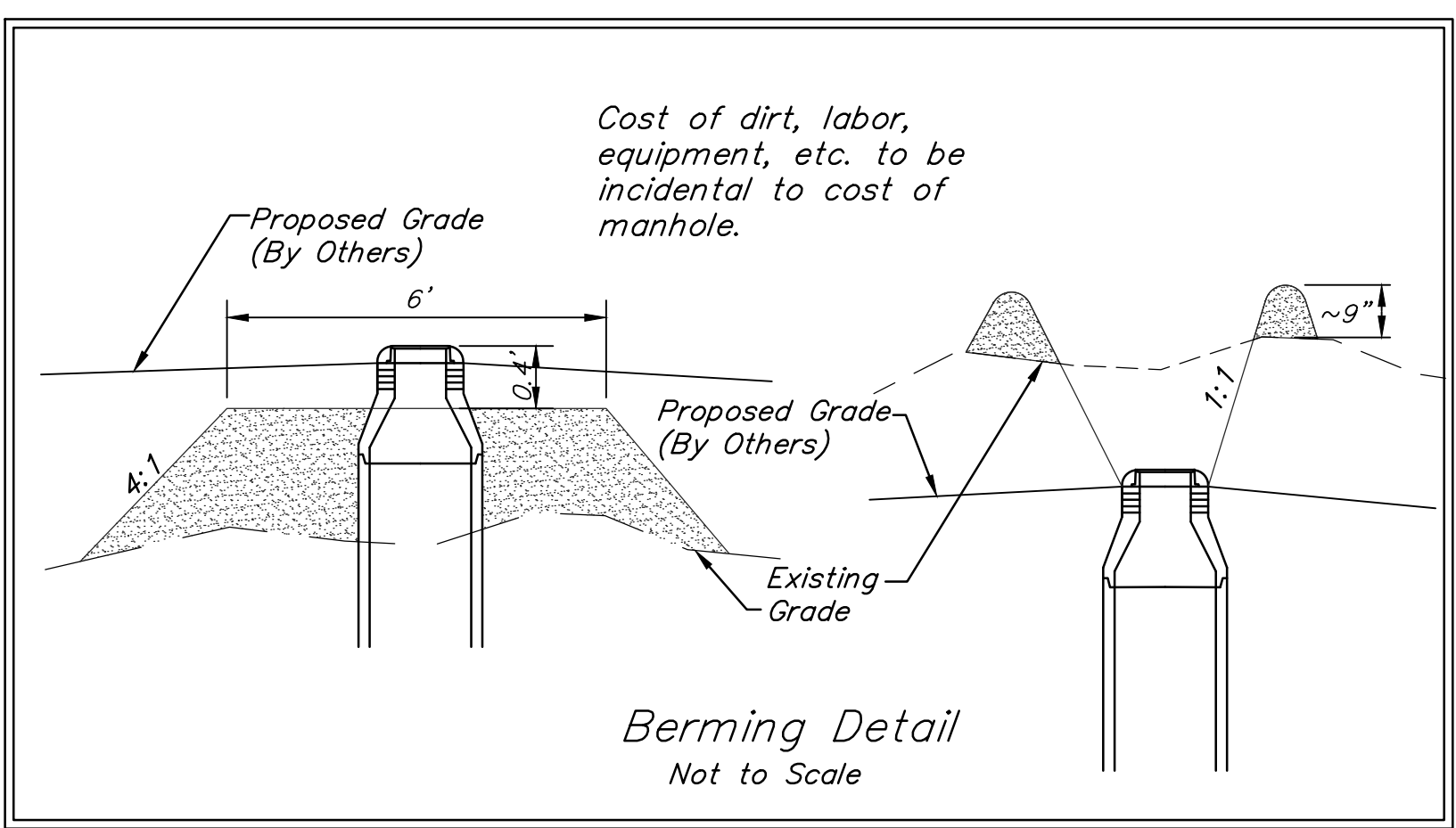
CASTLEGATE ADDITION

CASTLEGATE 2ND ADDITION

All trench and manhole excavation areas from Sta. 0+49.0 to Sta. 3+79.0 & to 4+29.0 to Sta. 5+76.3, Line 1 shall be backfilled with sand. The sand backfill shall be within two feet of existing grade and shall be water-jetted and vibrated during backfilling. All costs shall be paid for as L.F. "Fill, Sand (Flushed & Vibrated)".

Contractor shall verify elevation and alignment of existing 8" pipe prior to construction and notify Engineer of any discrepancy.

Sta. 3+79.0 to Sta. 3+88.0
 Install 9.0 L.F. Fill, Flowable per City specs.
 Sta. 3+98.0 to Sta. 4+29.0
 Install 31.0 L.F. Fill, Flowable per City specs.
 Sta. 3+83.8 to Sta. 4+03.8
 Install 20.0 L.F. Concrete Encasement



BENCHMARKS:
 BM #1: CHISELED CROSS CUT ON TOP OF CATCH BASIN, NORTH SIDE OF CENTRAL, 25.4' SOUTH & 95.7' WEST OF THE SOUTHWEST CORNER OF LOT 1, BLOCK A, CASTLEGATE ADDITION.
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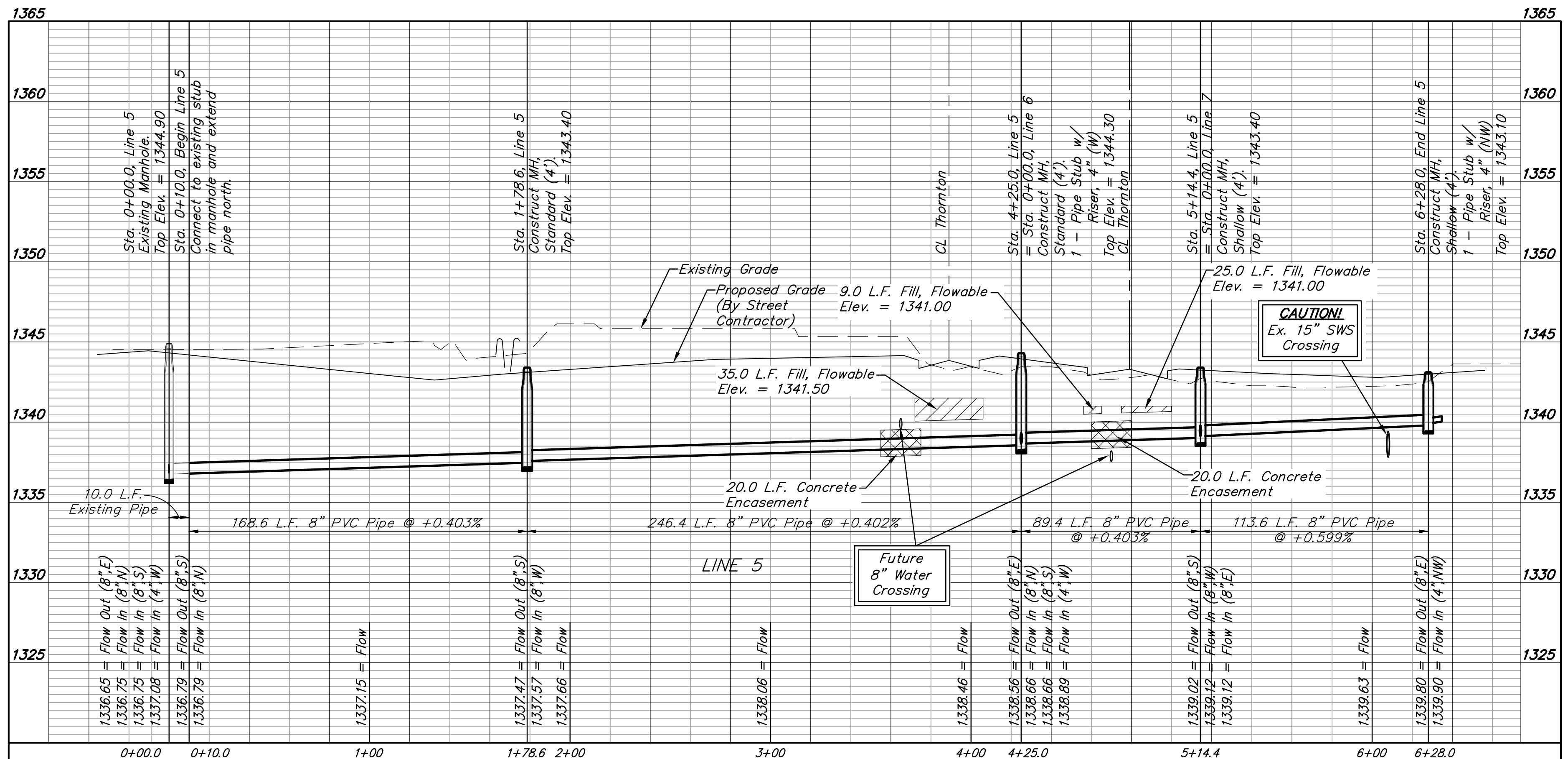
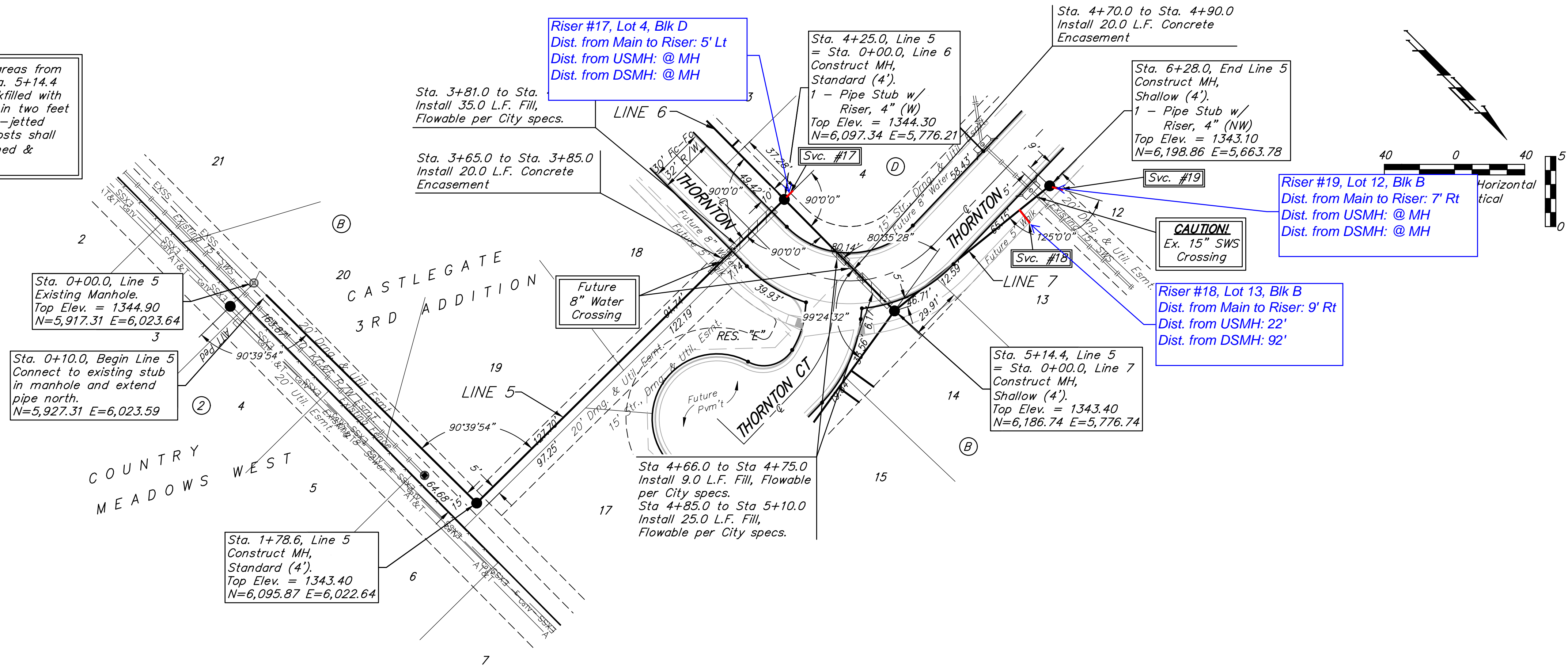
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All trench and manhole excavation areas from Sta. 4+25.0 to Sta. 4+66.0 and Sta. 5+14.4 to Sta. 6+28.0, Line 5 shall be backfilled with sand. The sand backfill shall be within two feet of existing grade and shall be water-jetted and vibrated during backfilling. All costs shall be paid for as L.F. "Fill, Sand (Flushed & Vibrated)".

SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION			STATION	FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.		DIRECTION	APPROXIMATE LENGTH 4" PIPE
17	4" Stub W/Riser	4	D	5	4+25.0/Lt.	2.0'	5.0'
18	8" X 4" Tee W/Riser	13	B	5	6+06.0/Rt.	2.0'	9.0'
19	4" Stub W/Riser	12	B	5	6+28.0/Rt.	2.0'	6.8'

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



Contractor shall verify elevation and alignment of existing 8" pipe prior to construction and notify Engineer of any discrepancy.



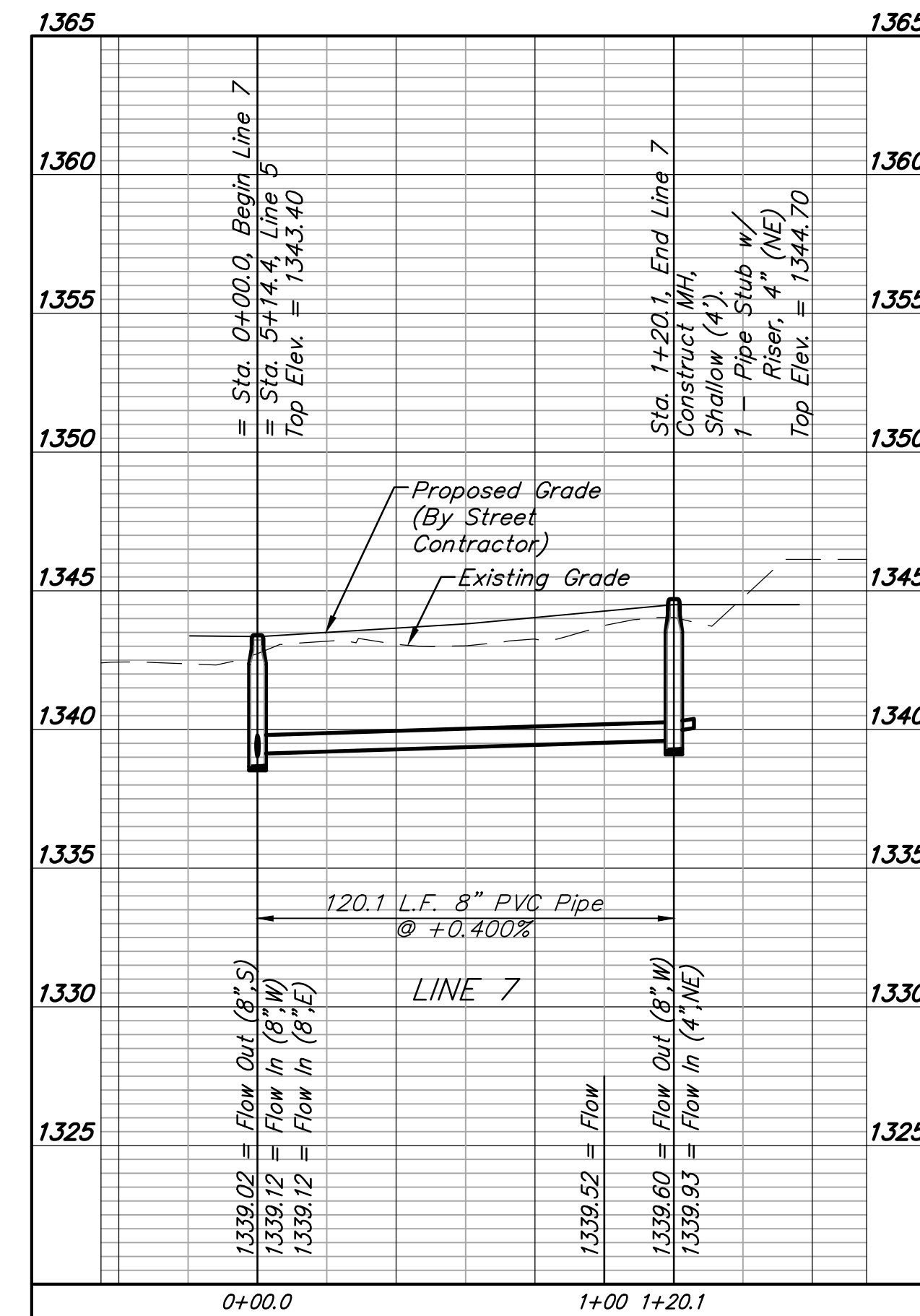
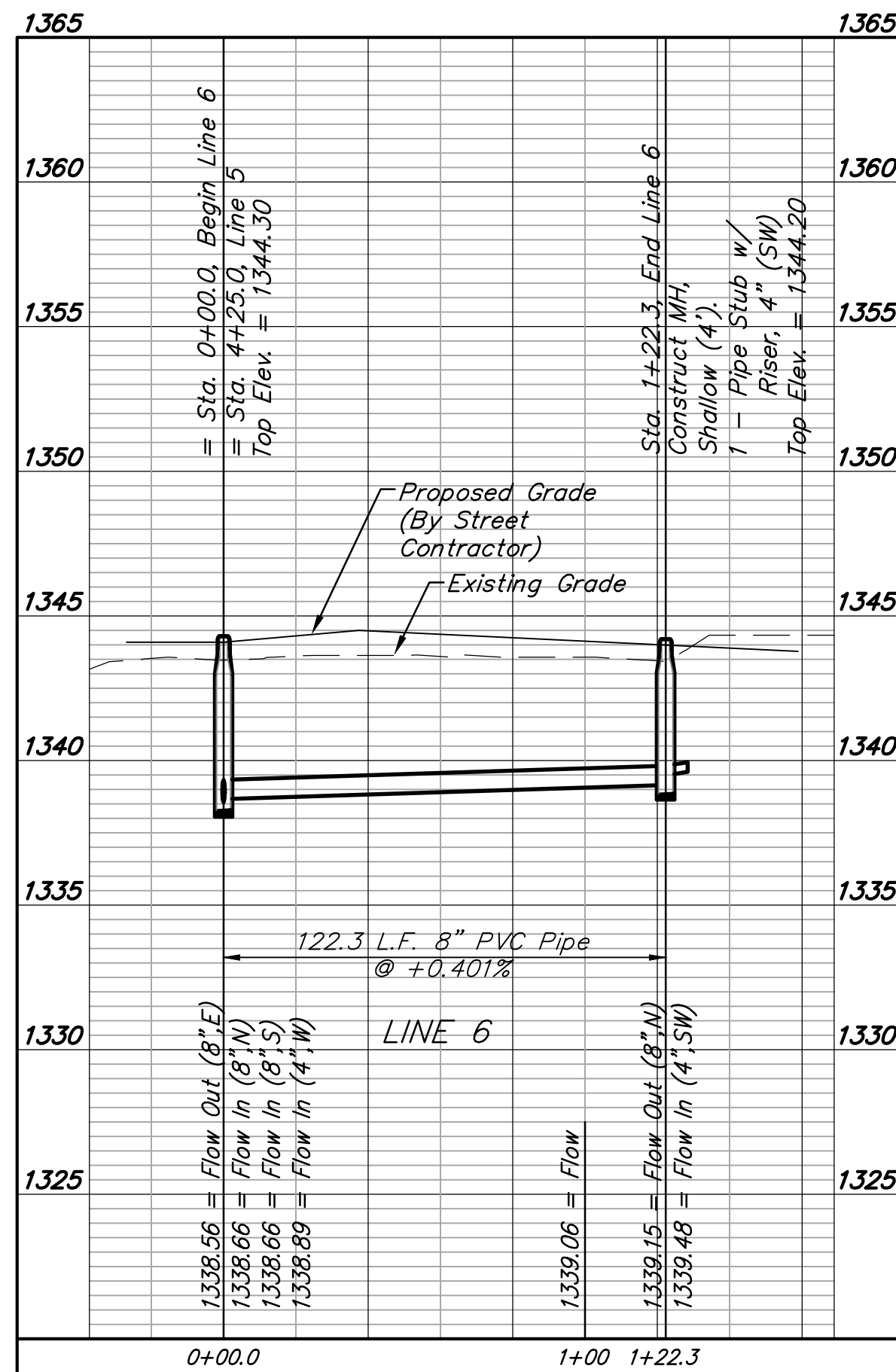
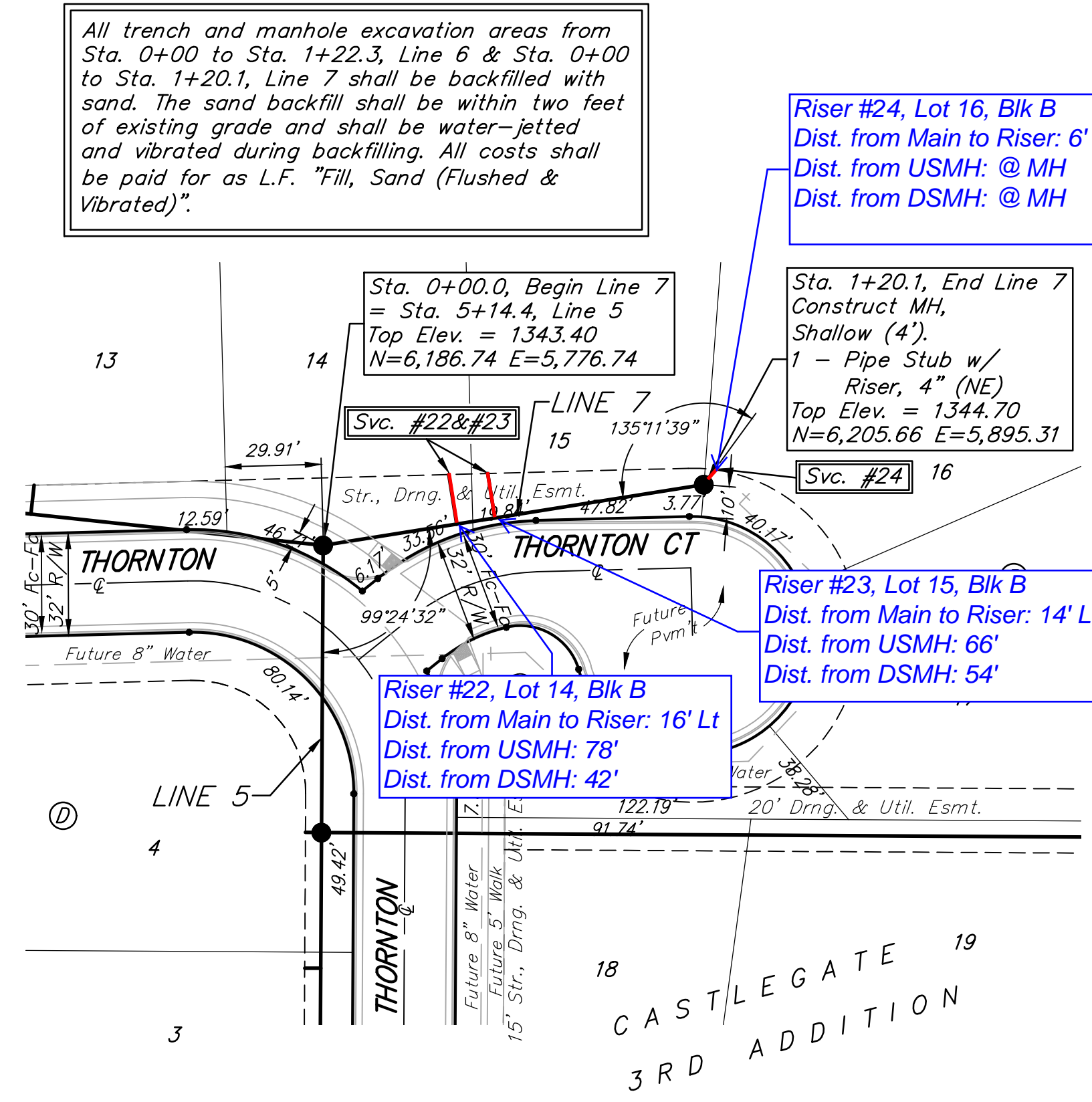
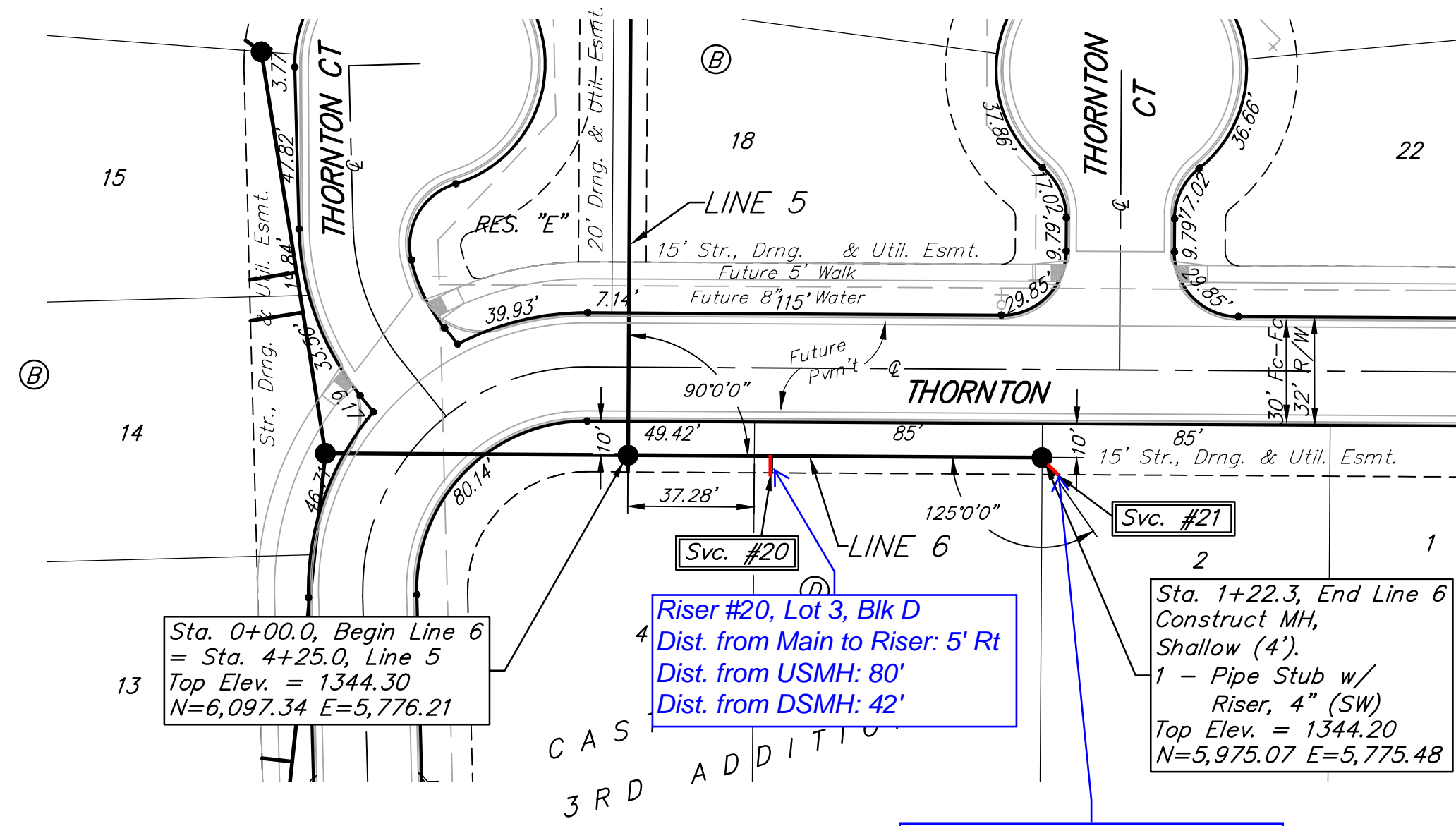
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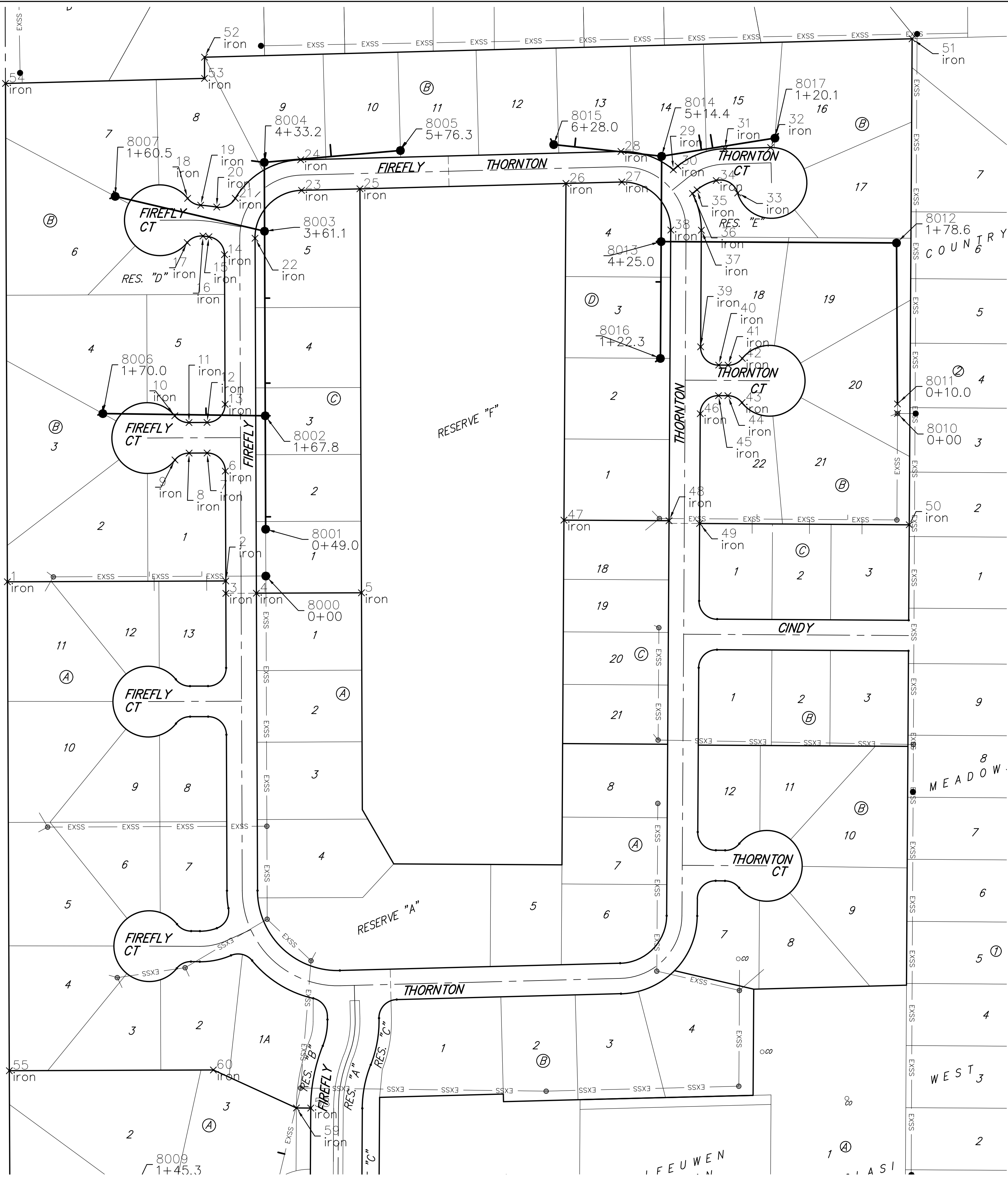
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SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.	STATION \ DIRECTION	APPROXIMATE LENGTH 4" PIPE	
						VERTICAL	HORIZONTAL
20	8" X 4" Tee W/Riser	3	D	6	0+42.3/Rt.	2.0'	5.0'
21	4" Stub W/Riser	2	D	6	1+22.3/Rt.	2.0'	6.1'
22	8" X 4" Tee W/Riser	14	B	7	0+42.1/Lt.	2.0'	15.7'
23	8" X 4" Tee W/Riser	15	B	7	0+54.1/Lt.	2.0'	14.1'
24	4" Stub W/Riser	16	B	7	1+20.1/Lt.	2.0'	5.8'

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





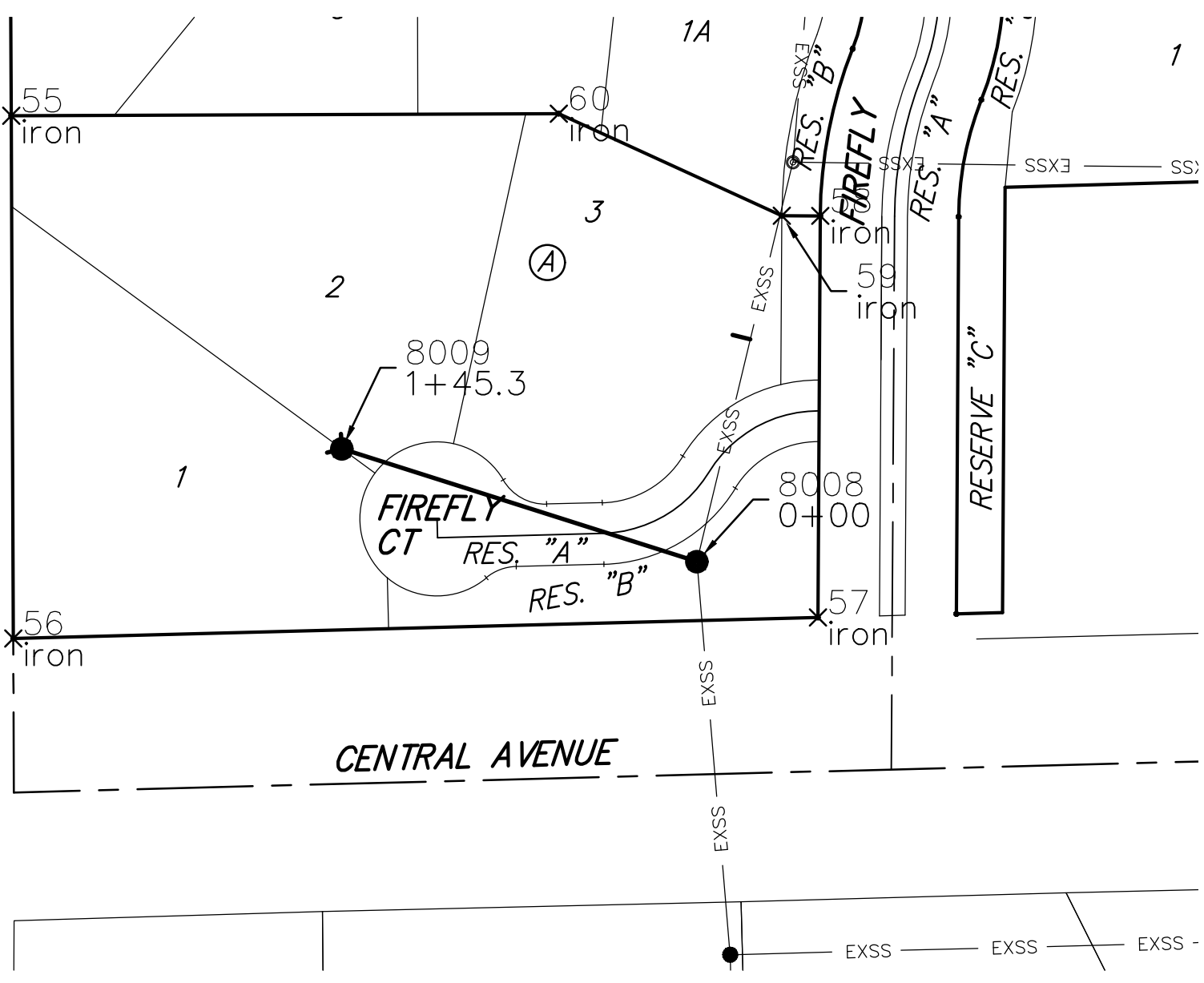
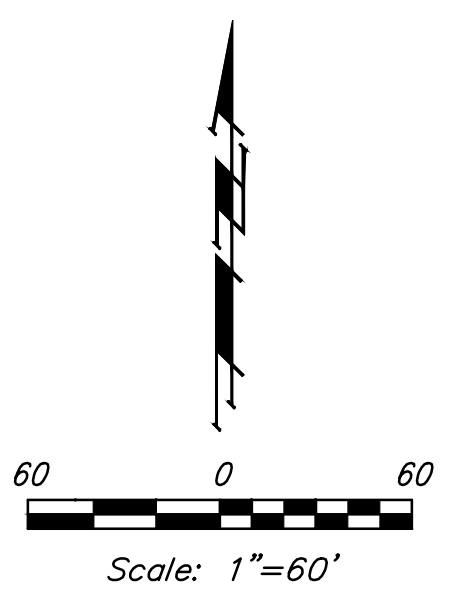
COORDS IRON

Point #	Northing	Easting	Raw Description
1	5741.09	5091.81	iron
2	5741.98	5320.42	iron
3	5728.98	5320.47	iron
4	5729.11	5352.47	iron
5	5729.53	5462.47	iron
6	5856.98	5319.97	iron
7	5875.91	5300.90	iron
8	5875.83	5282.03	iron
9	5868.65	5267.23	iron
10	5914.90	5267.05	iron
11	5907.83	5281.91	iron
12	5907.91	5300.78	iron
13	5926.98	5319.70	iron
14	6083.62	5319.09	iron
15	6102.36	5302.75	iron
16	6103.10	5296.60	iron
17	6096.24	5280.03	iron
18	6142.61	5280.50	iron
19	6135.41	5294.13	iron
20	6133.48	5310.95	iron
21	6142.59	5330.37	iron
22	6100.78	5351.03	iron
23	6150.95	5399.72	iron
24	6182.94	5398.89	iron
25	6152.55	5460.83	iron
26	6158.18	5676.57	iron
27	6159.70	5734.98	iron
28	6191.69	5734.14	iron
29	6172.59	5788.92	iron
30	6176.46	5793.73	iron
31	6194.53	5842.98	iron
32	6195.78	5890.79	iron
33	6148.20	5856.31	iron
34	6161.26	5833.80	iron
35	6151.53	5813.79	iron
36	6147.66	5808.98	iron
37	6109.23	5818.28	iron
38	6109.42	5786.28	iron
39	5987.10	5817.55	iron
40	5967.98	5836.43	iron
41	5967.92	5846.23	iron
42	5974.96	5861.10	iron

Point #	Northing	Easting	Raw Description
43	5928.71	5860.83	iron
44	5935.92	5846.04	iron
45	5935.98	5836.24	iron
46	5917.10	5817.13	iron
47	5805.67	5674.46	iron
48	5805.01	5784.46	iron
49	5802.10	5816.44	iron
50	5800.79	6035.90	iron
51	6309.69	6038.90	iron
52	6290.35	5298.19	iron
53	6268.16	5298.13	iron
54	6262.87	5089.76	iron
55	5229.10	5093.82	iron
56	5025.29	5094.62	iron
57	5033.48	5408.44	iron
58	5190.06	5409.37	iron
59	5190.15	5394.37	iron
60	5229.93	5307.41	iron

COORDS SANITARY SEWER

Point #	Northing	Easting	Raw Description
8000	5747.14	5362.40	0+00
8001	5796.15	5362.21	0+49.0
8002	5914.94	5361.75	1+67.8
8003	6108.20	5361.00	3+61.1
8004	6180.32	5360.72	4+33.2
8005	6192.67	5503.27	5+76.3
8006	5917.19	5191.81	1+70.0
8007	6144.67	5204.68	1+60.5
8008	5055.32	5361.26	0+00
8009	5099.22	5222.76	1+45.3
8010	5917.31	6023.64	0+00
8011	5927.31	6023.59	0+10.0
8012	6095.87	6022.64	1+78.6
8013	6097.34	5776.21	4+25.0
8014	6186.74	5776.74	5+14.4
8015	6198.86	5663.78	6+28.0
8016	5975.07	5775.48	1+22.3
8017	6205.66	5895.31	1+20.1



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CASTLEGATE 3RD ADDITION
COORDINATE SHEET
 SANITARY SEWER IMPROVEMENTS

