

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.
- A portion of excess excavated material shall be mounded around manholes which extend more than one (1) foot above the existing ground. Such mound shall be constructed with new development a six (6) foot diameter flat top with 4 to 1 side slopes down to the original ground. The elevation of the flat top of the mound shall be 0.4 foot below the top to the manhole.
- Contractor shall limit the extent of trench openings overnight and weekends to less than 50 feet.
- 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 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 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 provide positive drainage away from all manhole covers.
- The Contractor shall prevent any construction debris from entering the existing sanitary sewer during construction.
- All of Maple Street R/W that has been disturbed by 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 within street R/W and lots 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 Jay W. Russell, P.O. Box 75337, Wichita, KS 67272 (316)722-2417 jwrussell1105@cloud.com

Benchmark

BM #1: City of Wichita disc top of headwall of RCBC 660± east of the SE Cor. of the SE1/4, SEC. 22, TWP. 27-S, R-2-W. Elev. = 1410.27 NAVD88

BM #2: 60d step nail in utility pole 28' east of \angle 162nd St. W. and 26' north of \angle of Maple. Elev. = 1417.99 NAVD88

Benefit District

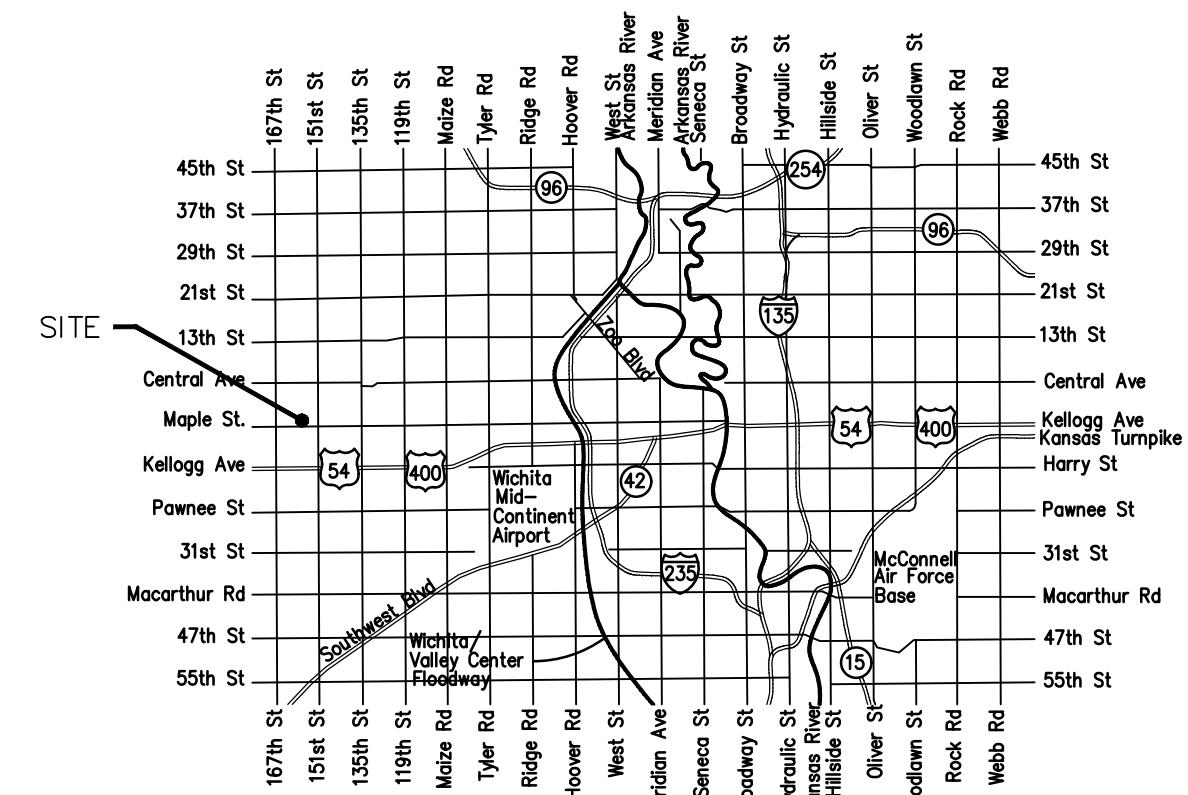


SANITARY SEWER IMPROVEMENTS to serve PIKE ADDITION - PH. I

CITY OF WICHITA, KANSAS

Gary Janzen, P.E. City Engineer
 Project Number 468-85406
 O.C.A. Number 744498

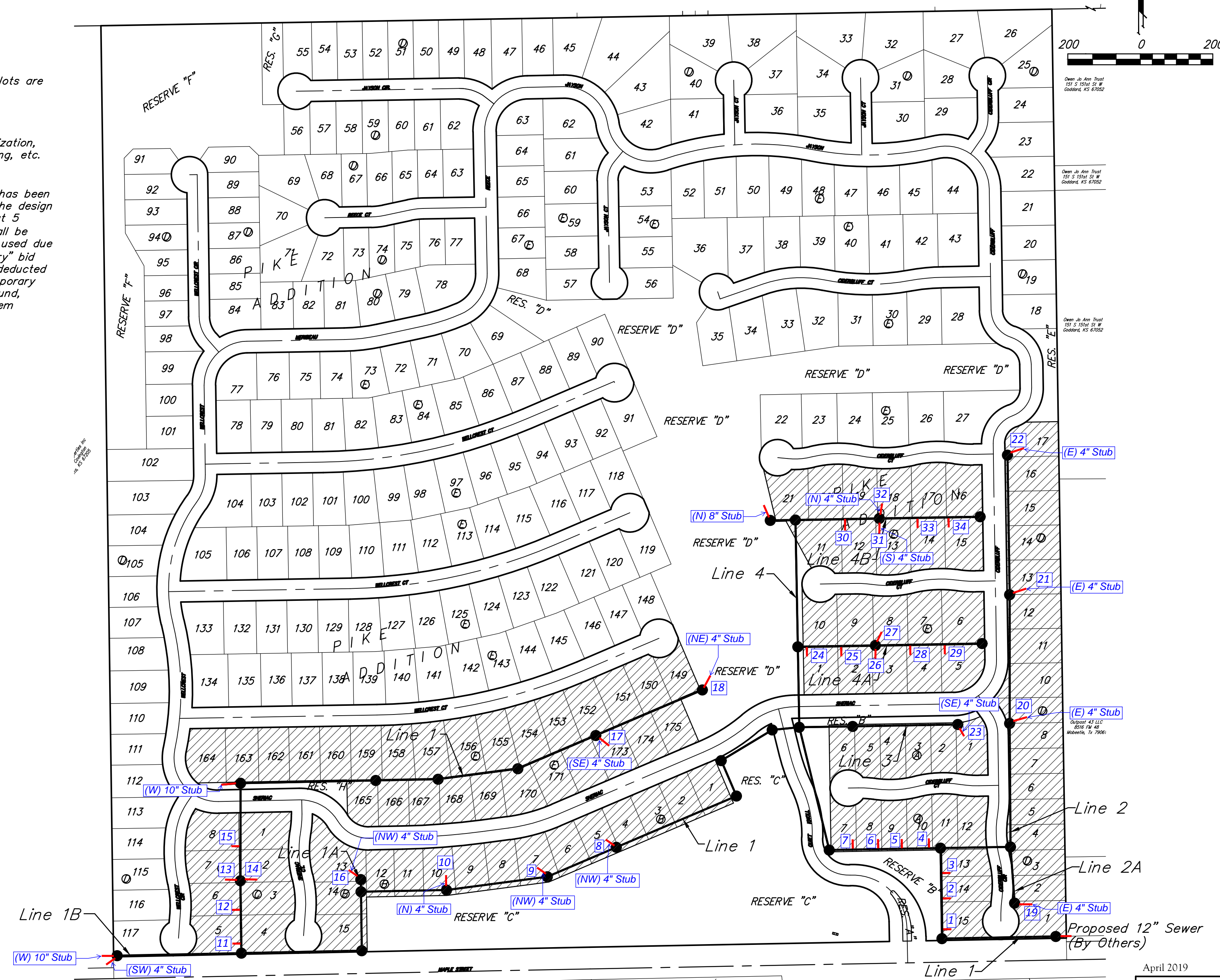
McCullough Excavation - Contractor
 B. Woods - City of Wichita, Field Project Engineer
 T. Dvorak - City of Wichita, Inspector
 As-built
 Subs & Risers
 Release Date (for connection purposes only): 12/18/2019
 Completion Date:
 pdf: 12/19/2019 apr



Vicinity Map

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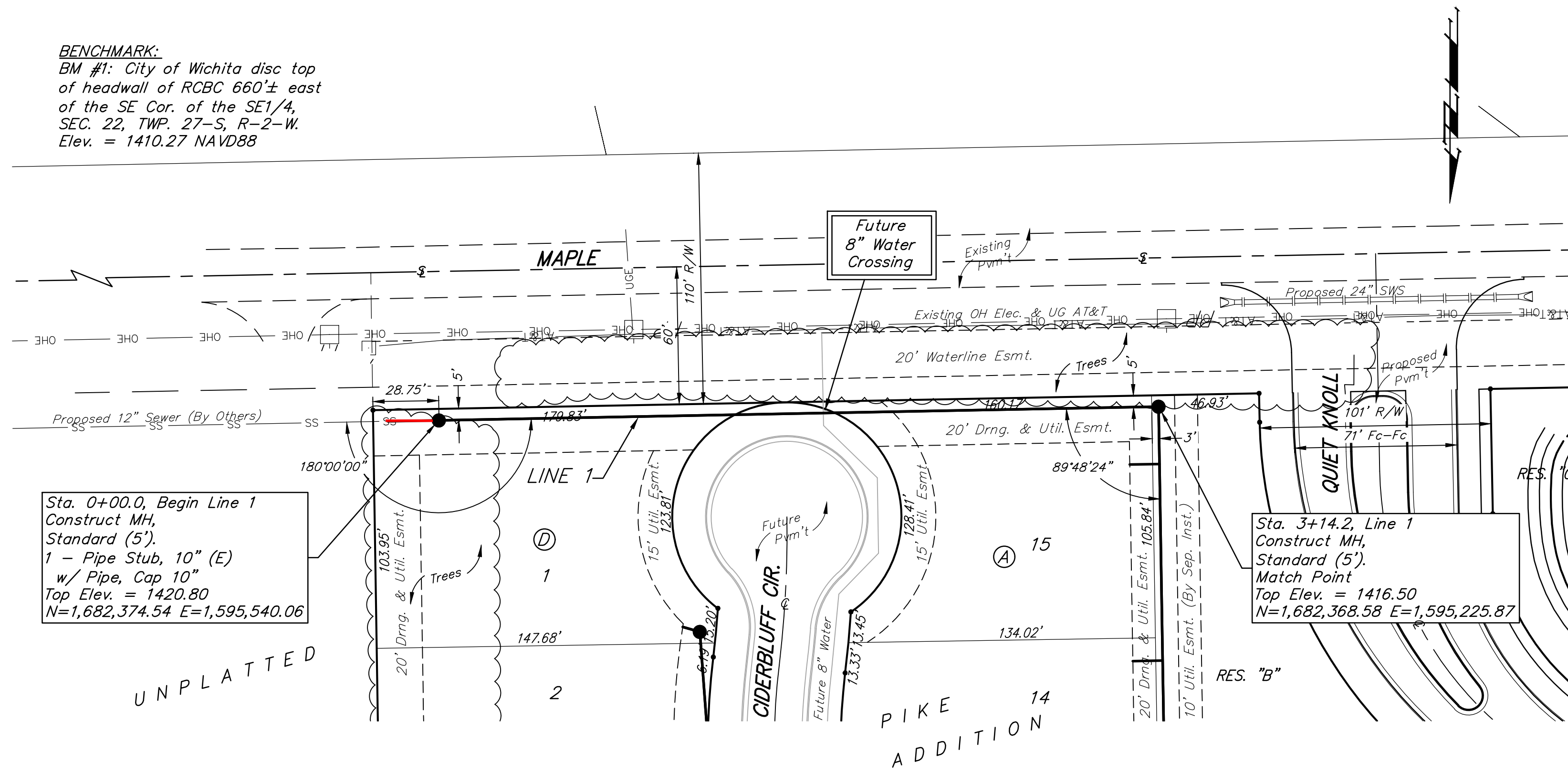
April 2019



Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0145
 ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE



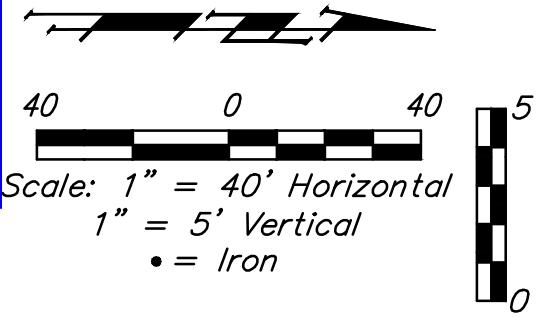
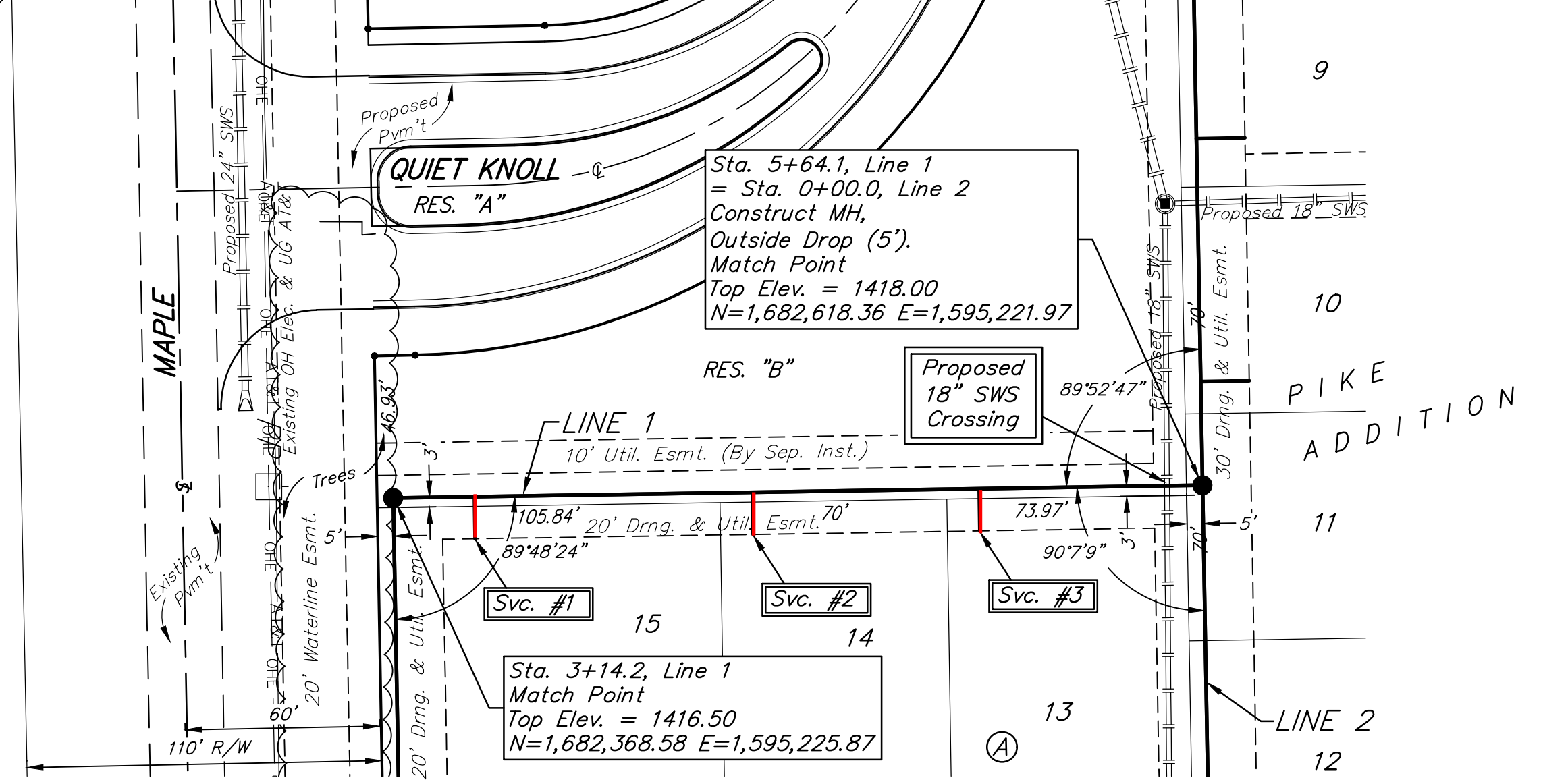
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 BM #1: City of Wichita disc top of headwall of RCBC 660±± east of the SE Cor. of the SE1/4, SEC. 22, TWP. 27-S, R-2-W. Elev. = 1410.27 NAVD88



SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION			FOR INFORMATION ONLY		Distance from Main to Riser (L/Rt.)	Distance from	
		LOT NO.	BLOCK NO.	LINE NO.	STATION DIRECTION	APPROXIMATE LENGTH 4" PIPE VERTICAL		HORIZONTAL	Upstream MH
1	10" X 4" Tee W/Riser	15	A	1	3+39.2/Rt.	18.5'	13.0'	13' Rt.	25'
2	10" X 4" Tee W/Riser	14	A	1	4+25.0/Rt.	18.5'	13.0'	13' Rt.	111'
3	10" X 4" Tee W/Riser	13	A	1	4+95.0/Rt.	17.5'	13.0'	13' Rt.	181'

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



Sta. 0+00.0, Begin Line 1
 Construct MH, Standard (5').
 1 - Pipe Stub, 10" (E) w/ Pipe, Cap 10"
 Top Elev. = 1420.80
 N=1,682,374.54 E=1,595,540.06

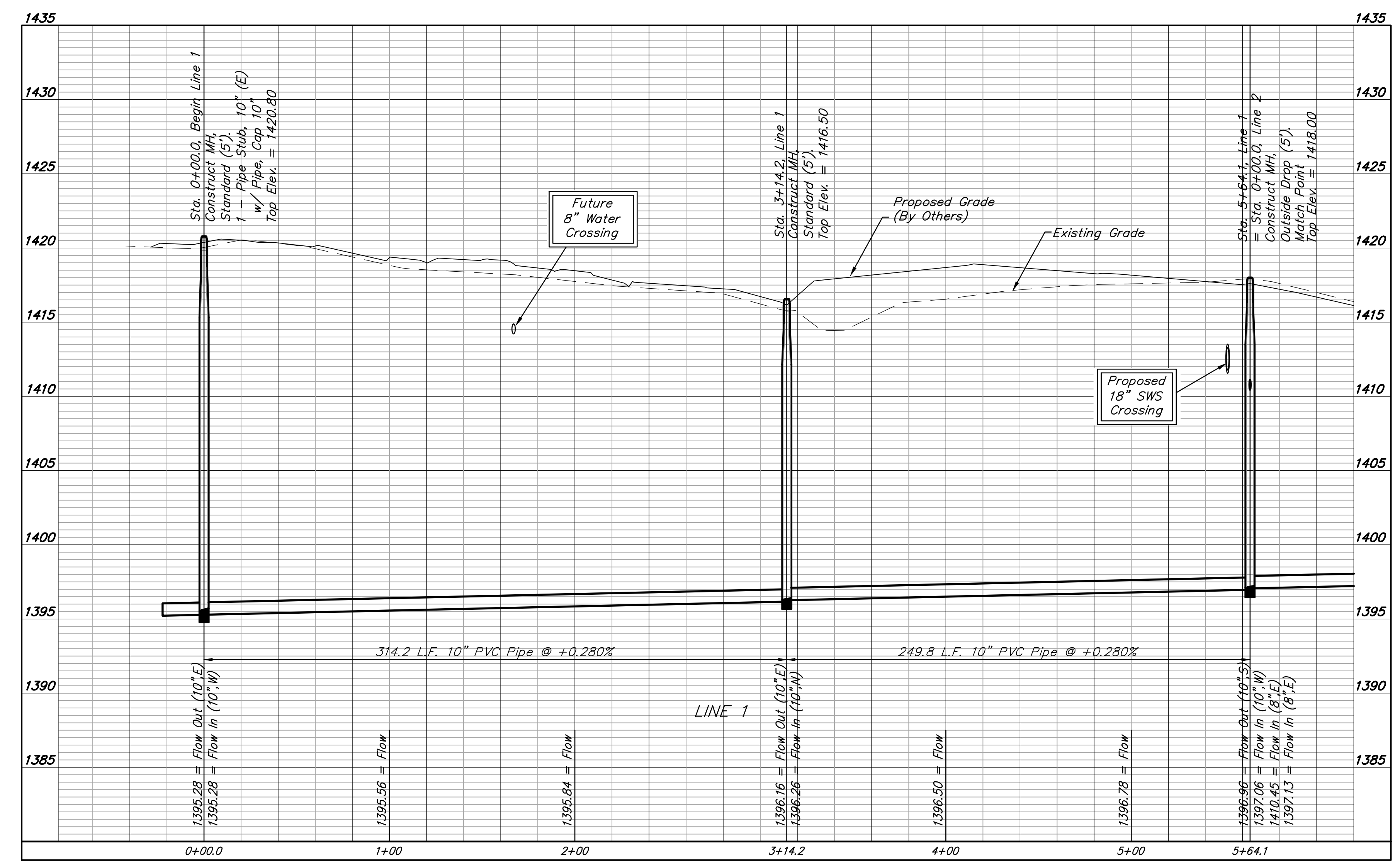
Sta. 3+14.2, Line 1
 Construct MH, Standard (5').
 Match Point
 Top Elev. = 1416.50
 N=1,682,368.58 E=1,595,225.87

Sta. 3+14.2, Line 1
 Match Point
 Top Elev. = 1416.50
 N=1,682,368.58 E=1,595,225.87

Sta. 5+64.1, Line 1 = Sta. 0+00.0, Line 2
 Construct MH, Outside Drop (5').
 Match Point
 Top Elev. = 1418.00
 N=1,682,618.36 E=1,595,221.97

Trees in conflict with sanitary sewer construction to be removed by contractor. To be paid for as lump sum bid item "Site Clearing".
 All other trees shall remain and be protected from damage during construction. Overhanging limbs shall be trimmed by the Contractor using a chain saw only as necessary for construction and with approval of the Engineer. Cost of tree trimming to be included in bid item "Site Clearing".

Contractor shall verify elevation and alignment of existing 12" pipe prior to construction and notify Engineer of any discrepancy.



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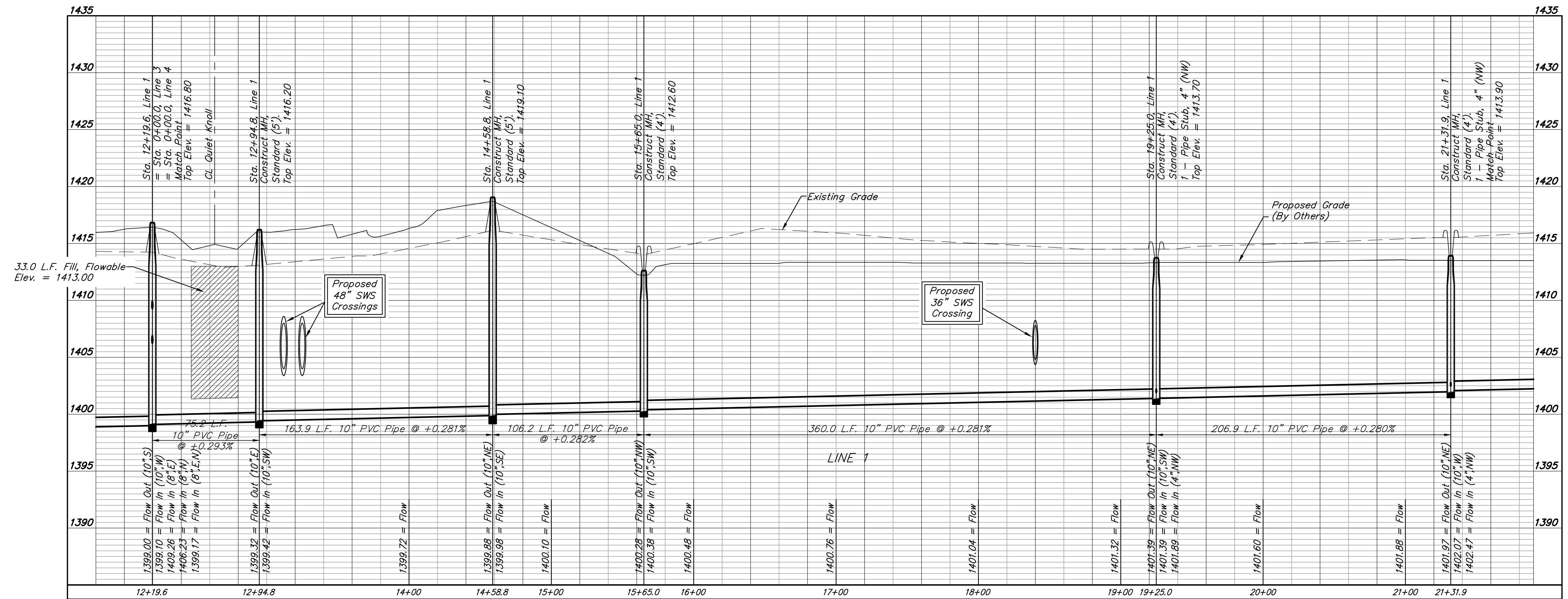
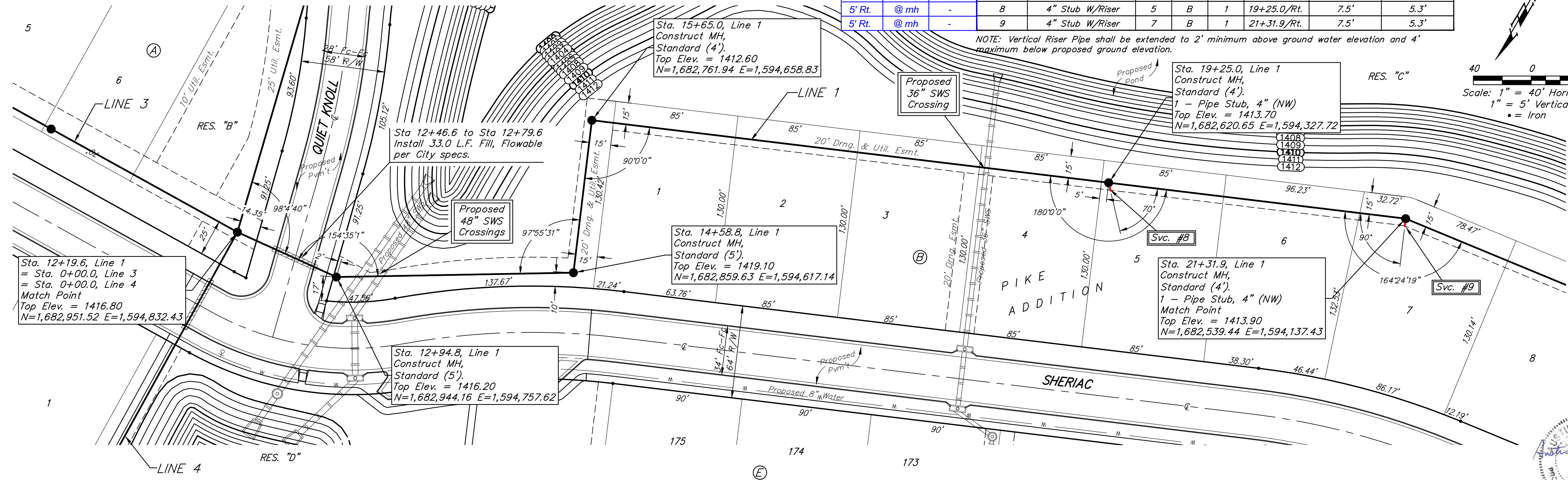
PIKE ADDITION - PH. 1
LINE 1
 SANITARY SEWER IMPROVEMENTS

BENCHMARK:
 BM #1: City of Wichita disc top of headwall of RCBC 660'± east of the SE Cor. of the SE1/4, SEC. 22, TWP. 27-S, R-2-W. Elev. = 1410.27 NAVD88

SEWER SERVICE TABLE

Distance from Main to Riser (Lt./Rt.)	Distance from		NUMBER	TYPE	LOCATION			FOR INFORMATION ONLY		
	Upstream MH	Downstream MH			LOT NO.	BLOCK NO.	LINE NO.	APPROXIMATE LENGTH 4" PIPE		
								STATION\ DIRECTION	VERTICAL	HORIZONTAL
5' Rt.	@ mh	-	8	4" Stub W/Riser	5	B	1	19+25.0/Rt.	7.5'	5.3'
5' Rt.	@ mh	-	9	4" Stub W/Riser	7	B	1	21+31.9/Rt.	7.5'	5.3'

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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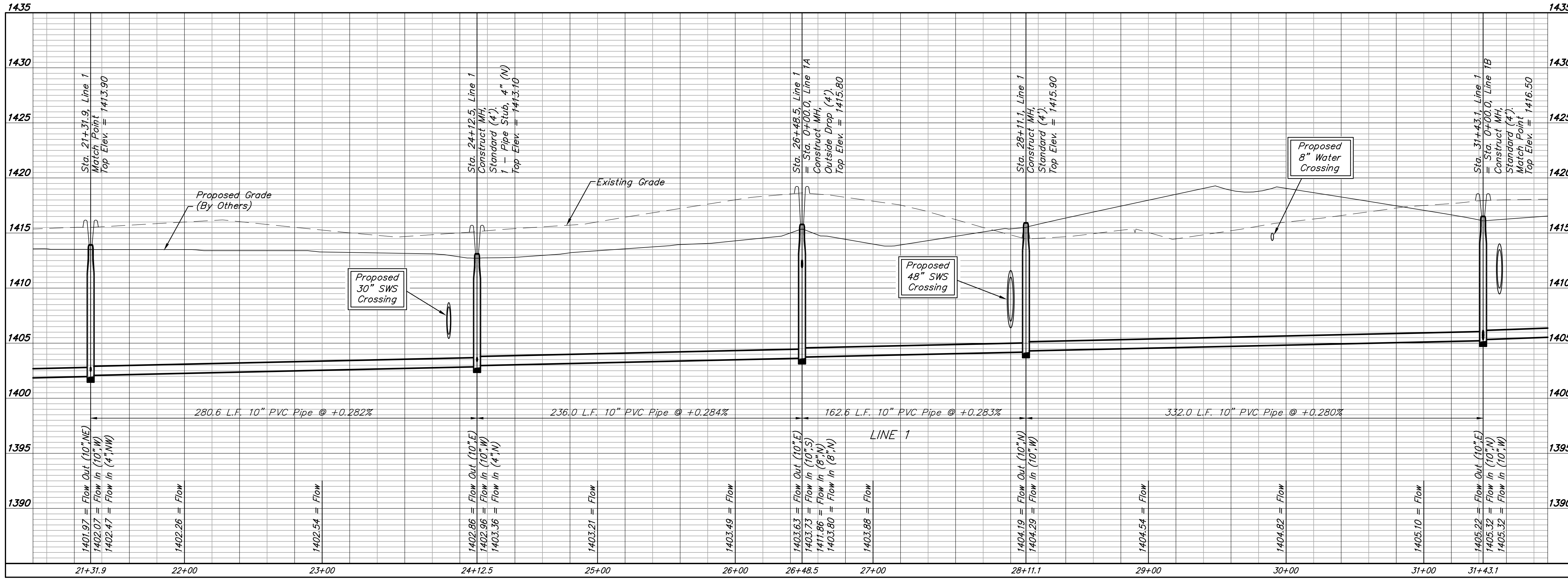
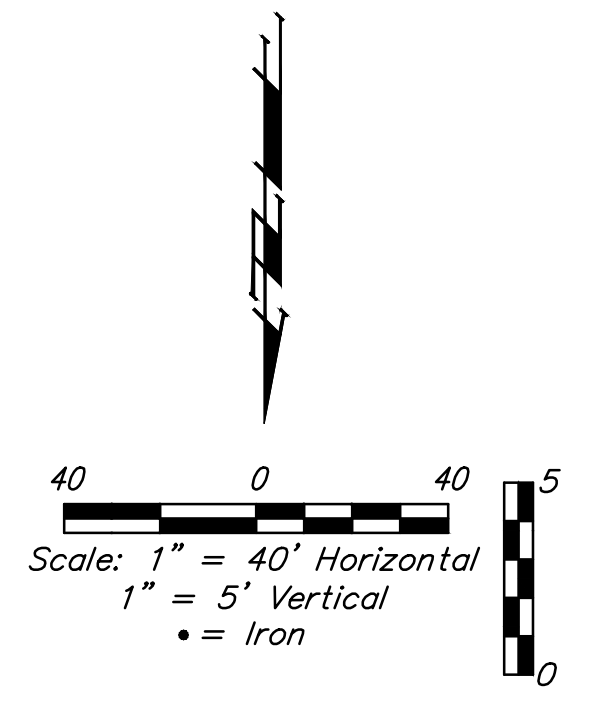
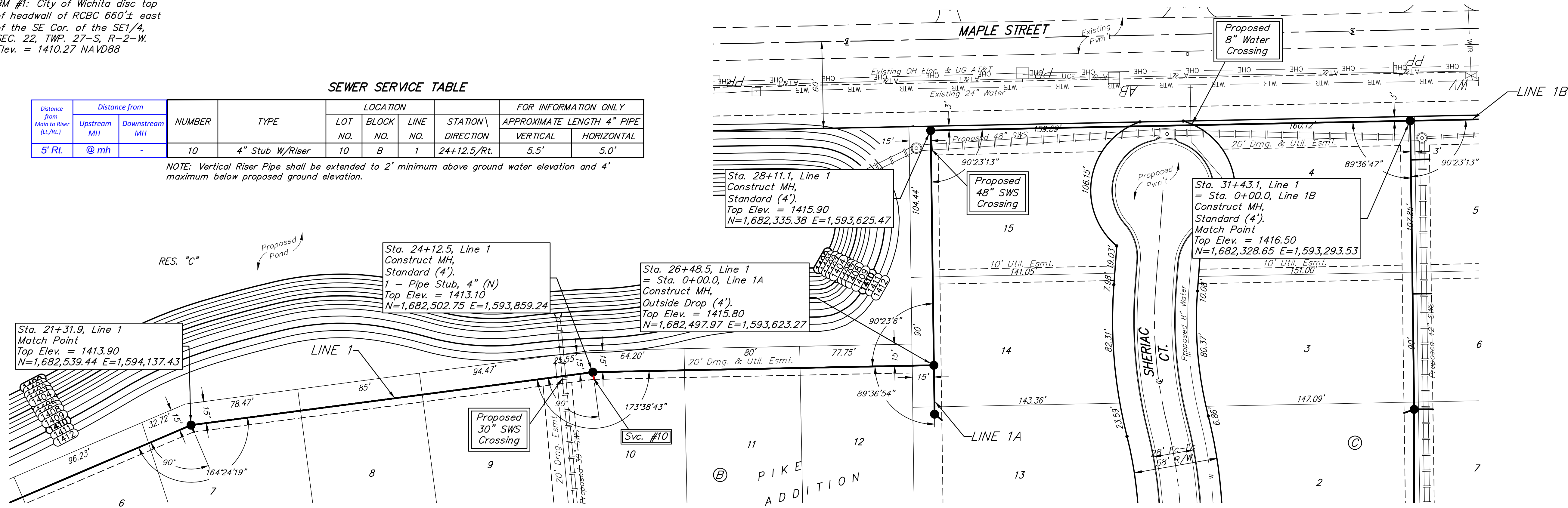
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SEWER SERVICE TABLE

Distance from Main to Riser (L/R)	Distance from		NUMBER	TYPE	LOCATION				FOR INFORMATION ONLY	
	Upstream MH	Downstream MH			LOT NO.	BLOCK NO.	LINE NO.	STATION \ DIRECTION	APPROXIMATE LENGTH 4" PIPE	VERTICAL
5' Rt.	@ mh	-	10	4" Stub W/Riser	10	B	1	24+12.5/Rt.	5.5'	5.0'

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



PIKE ADDITION - PH. I
LINE 1
 SANITARY SEWER IMPROVEMENTS

Professional Engineer Seal: State of Kansas, No. 17979, dated 4/16/19.

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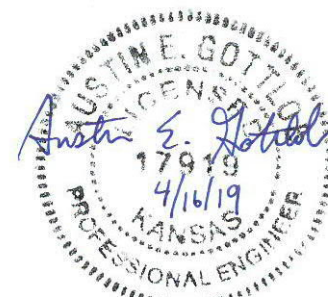
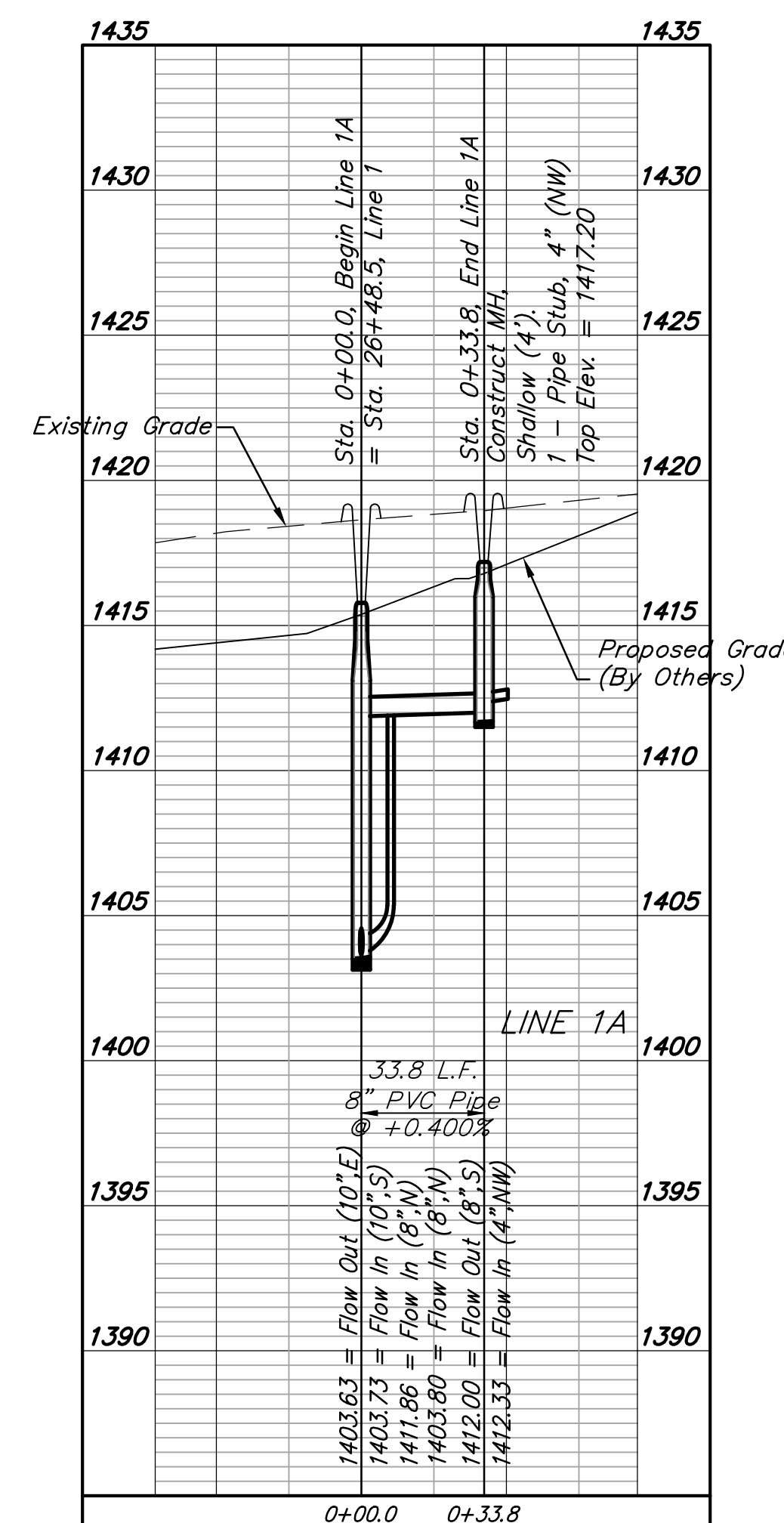
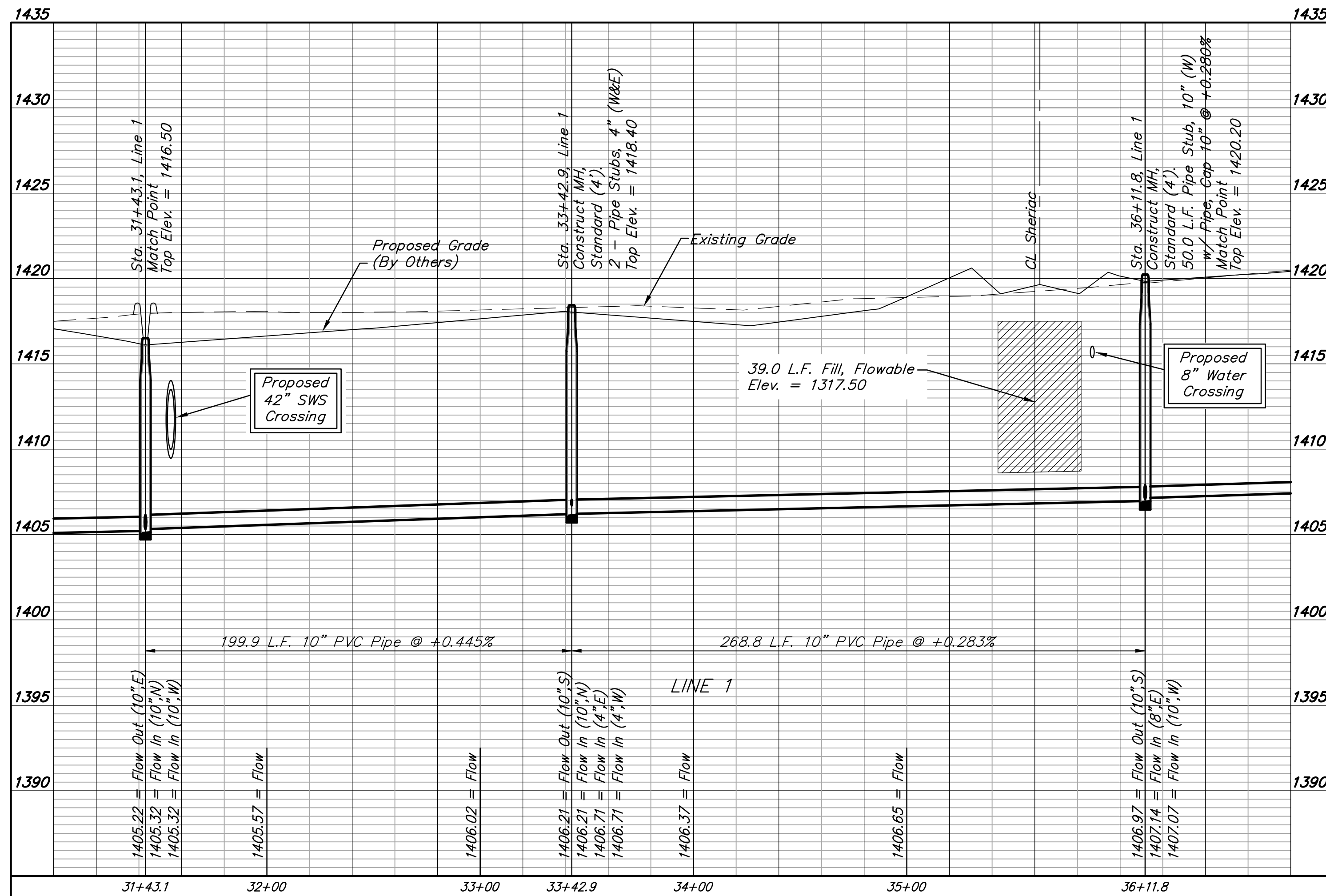
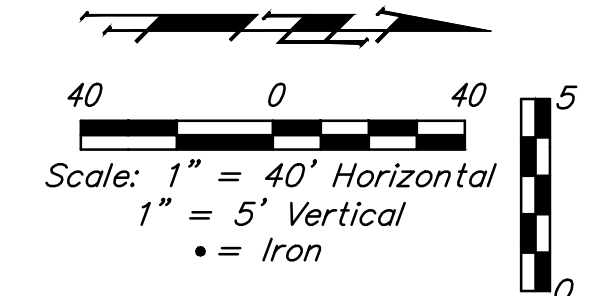
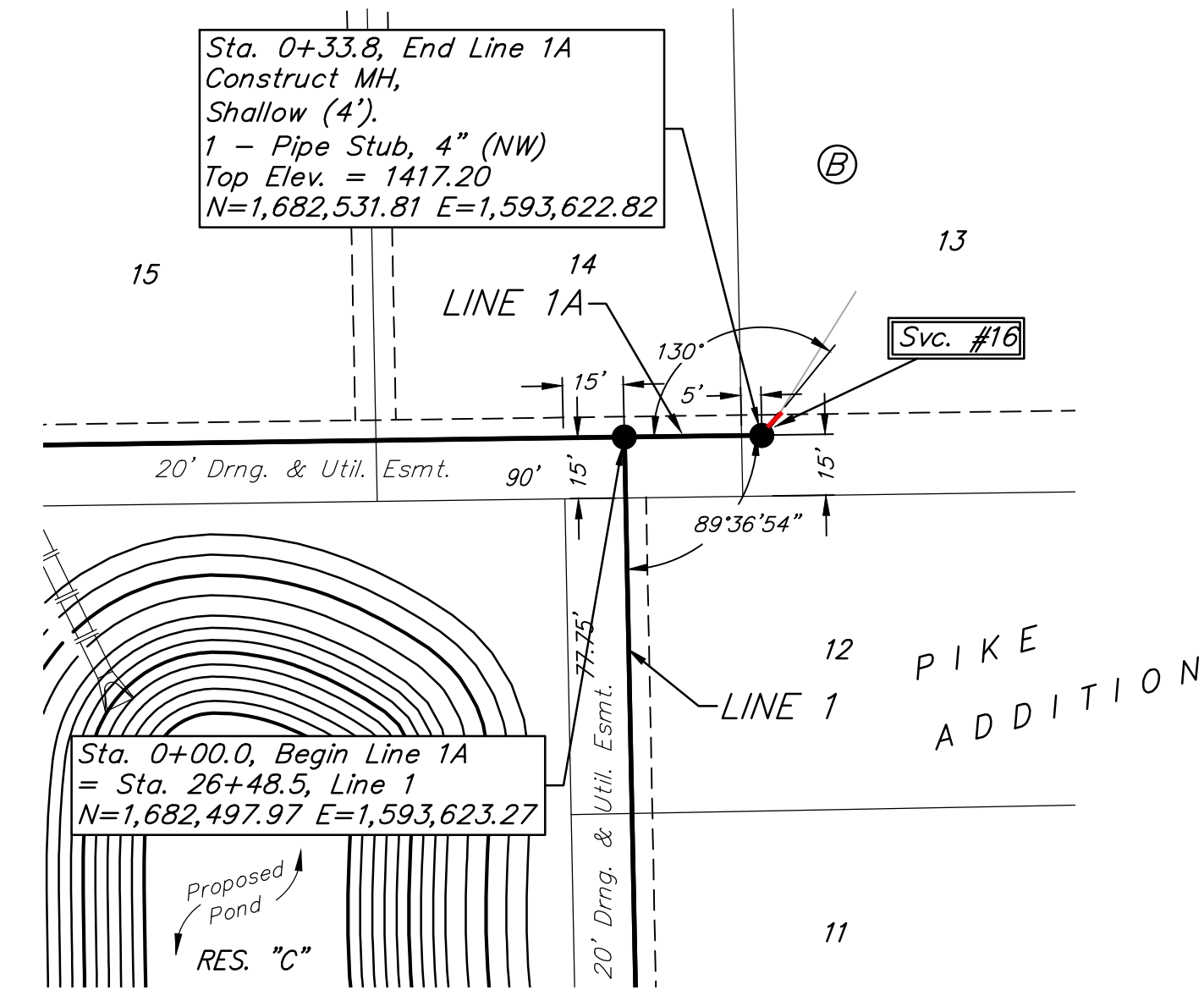
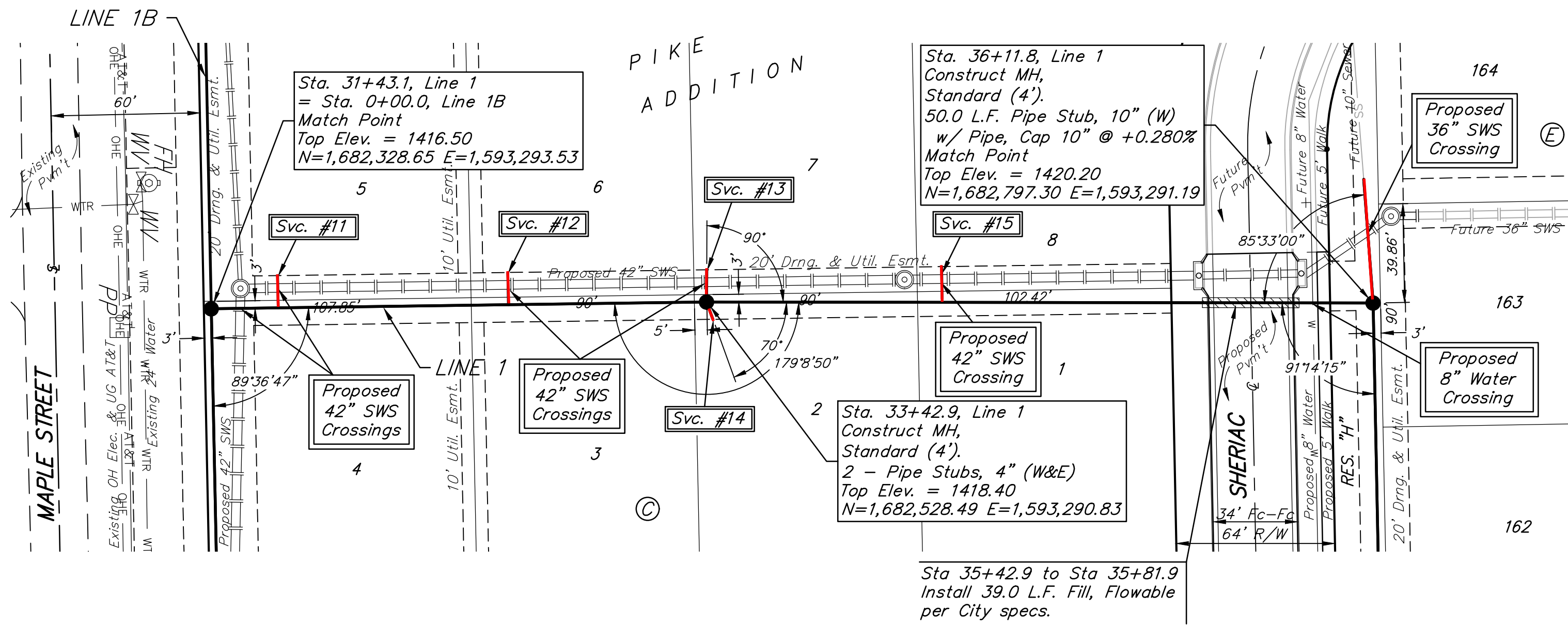
5 OF 27

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SEWER SERVICE TABLE

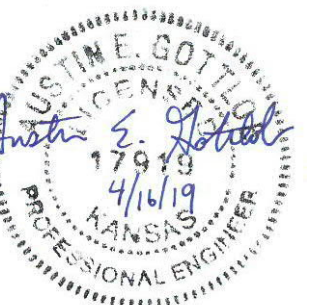
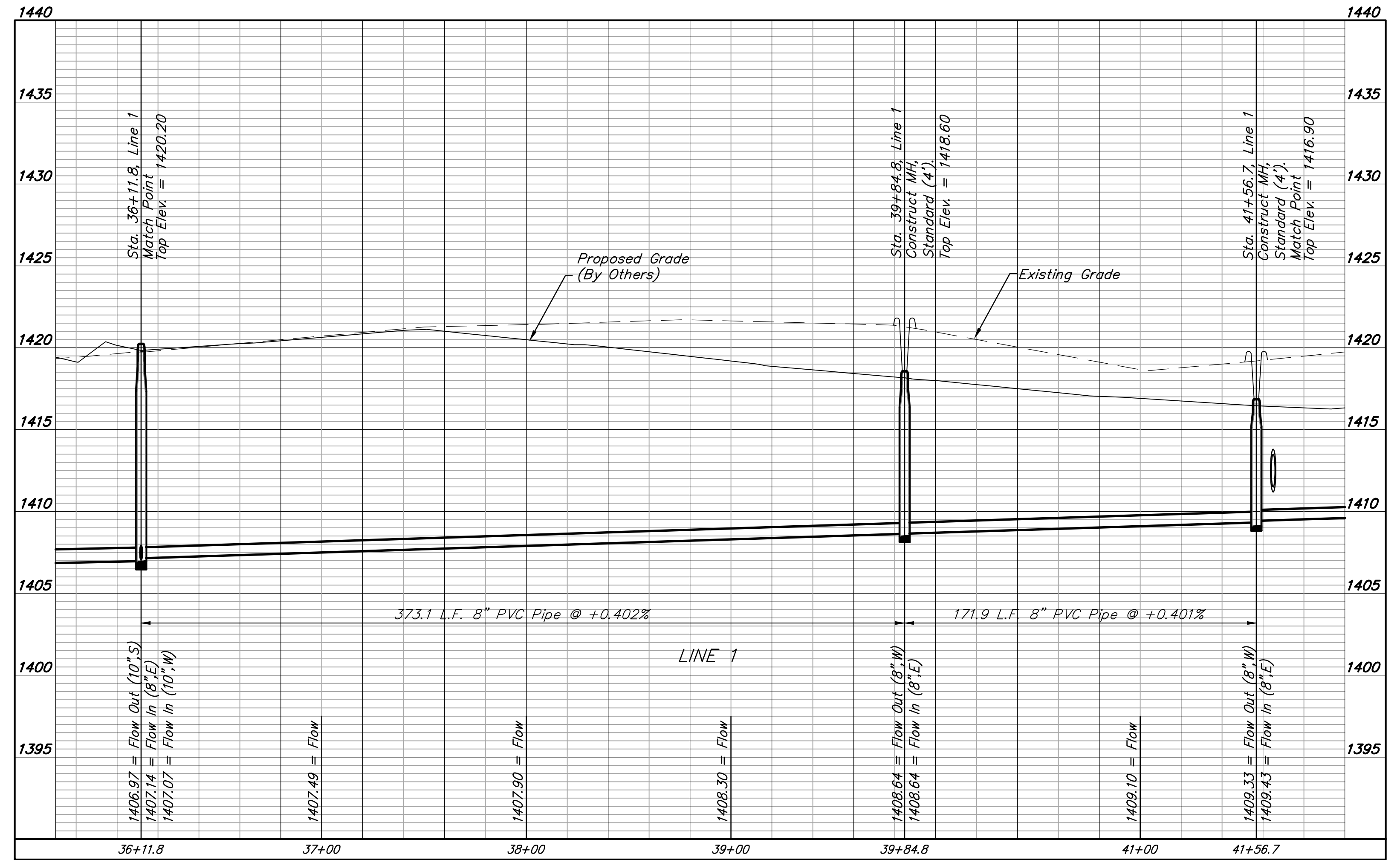
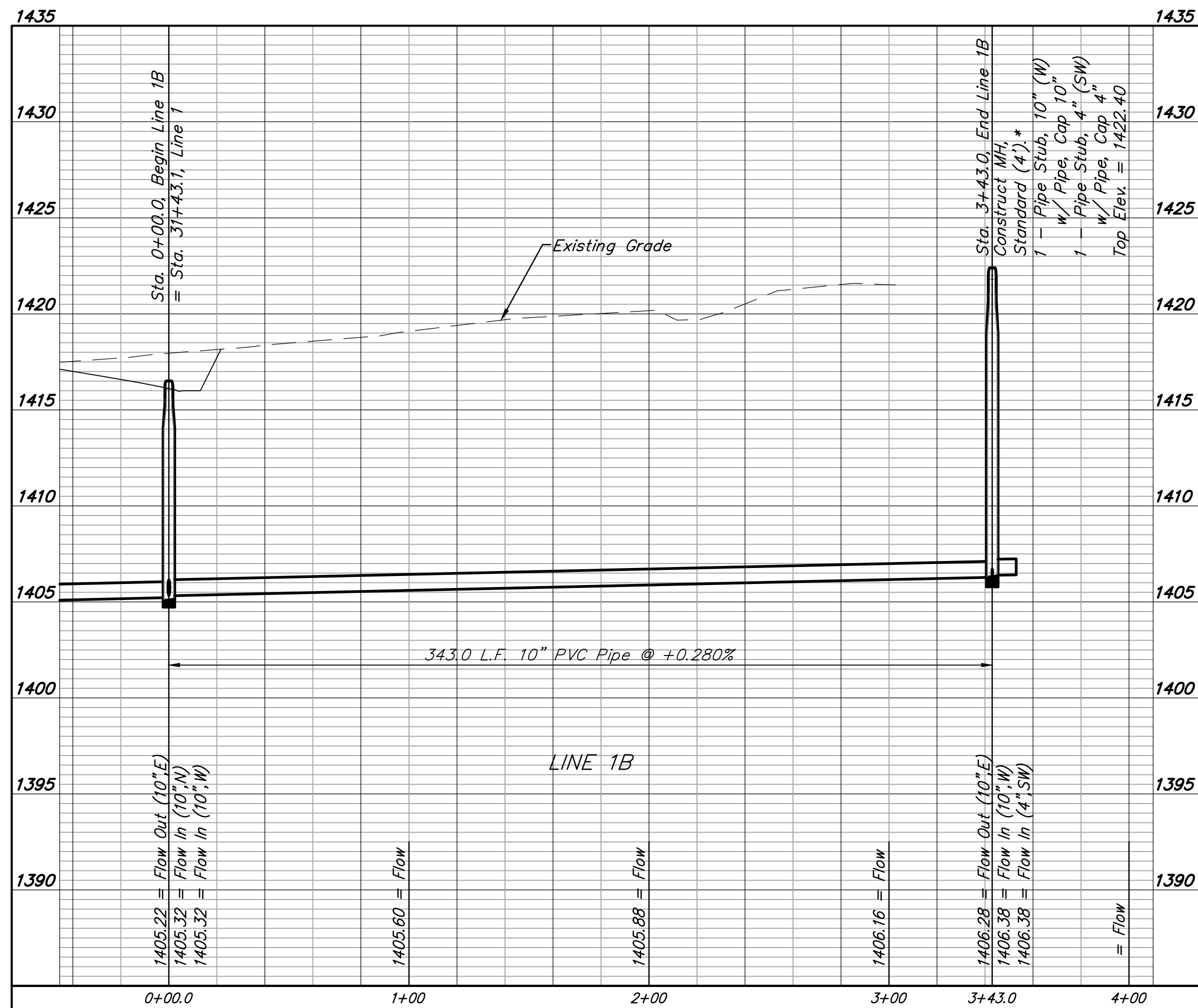
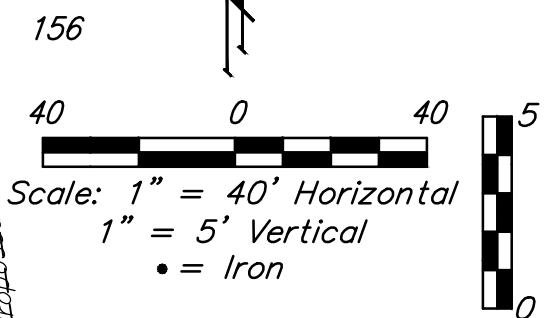
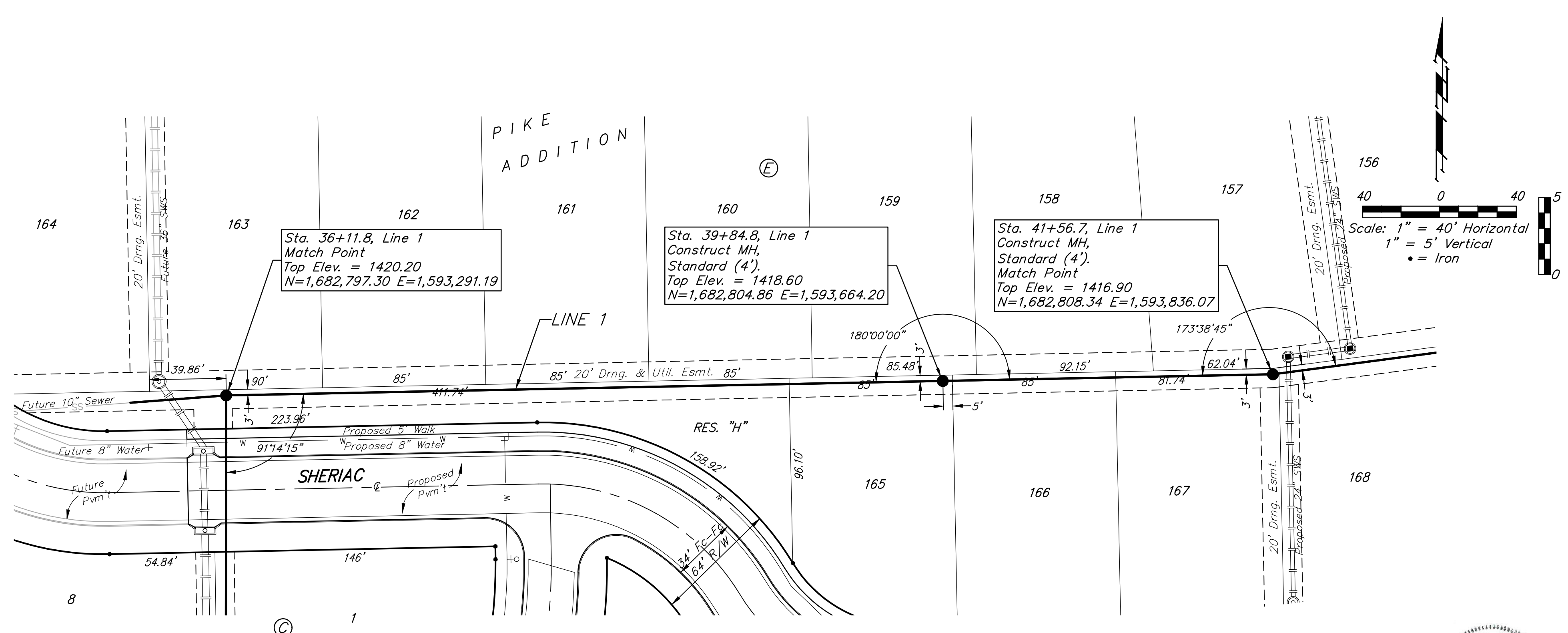
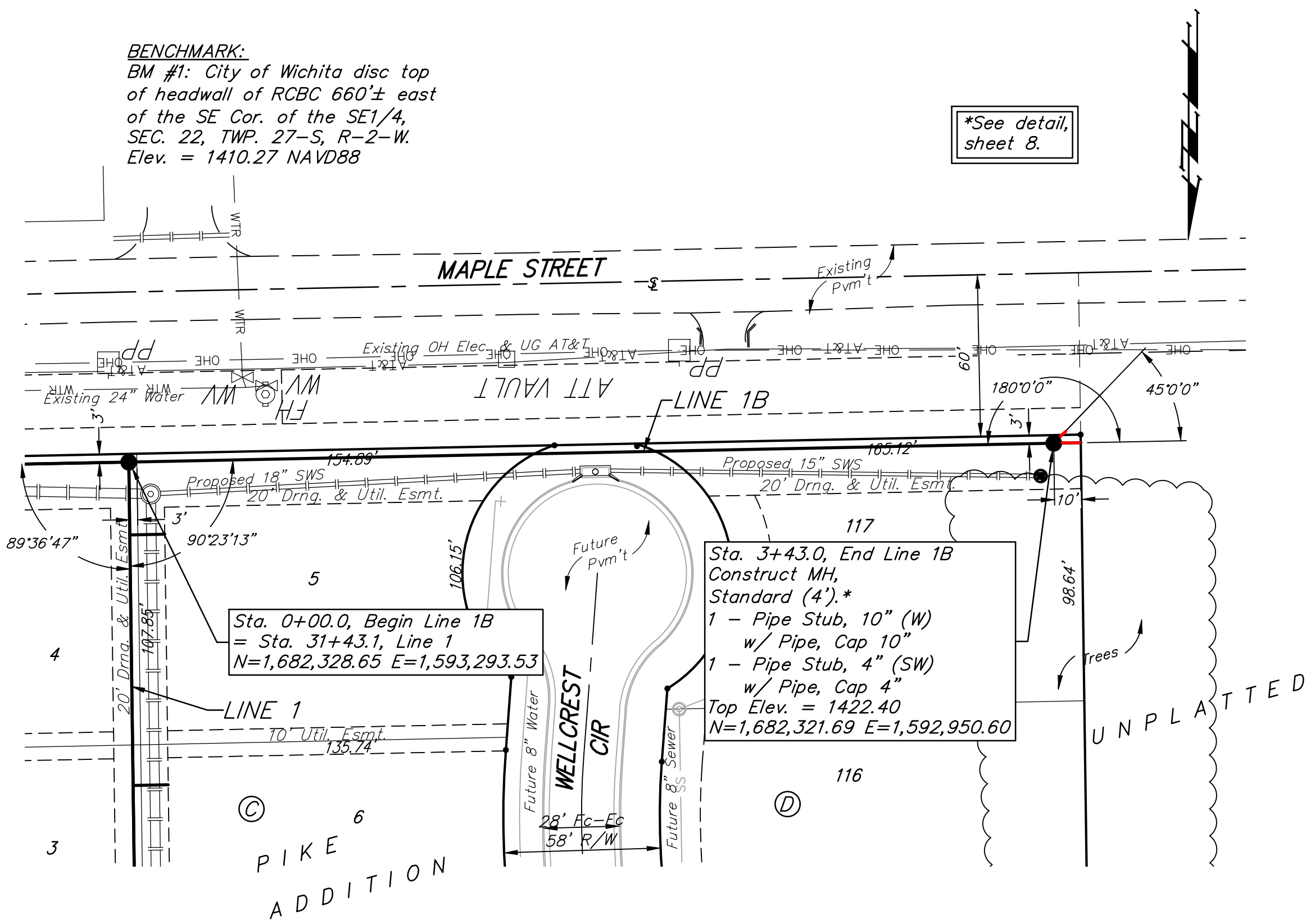
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		LOT NO.	BLOCK NO.	LINE NO.	STATION \ DIRECTION	APPROXIMATE LENGTH 4" PIPE	Distance from Main to Riser (Lt./Rt.)	Upstream MH	Downstream MH	
11	10" X 4" Tee W/Riser	5	C	1	31+70.1/Lt.	7.0'	13.0'	13' Lt.	173'	27'
12	10" X 4" Tee W/Riser	6	C	1	32+62.0/Lt.	7.5'	13.0'	13' Lt.	81'	119'
13	4" Stub W/Riser	7	C	1	33+42.9/Lt.	8.0'	13.0'	13' Lt.	@ mh	-
14	4" Stub W/Riser	2	C	1	33+42.9/Rt.	8.0'	7.4'	7.5' Rt.	@ mh	-
15	10" X 4" Tee W/Riser	8	C	1	34+37.0/Lt.	7.0'	13.0'	13' Lt.	175'	94'
16	4" Stub W/Riser	13	B	1A	0+33.8/Lt.	2.0'	6.5'	6.5' Lt.	@ mh	-

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



BENCHMARK:
 BM #1: City of Wichita disc top
 of headwall of RCBC 660'± east
 of the SE Cor. of the SE1/4,
 SEC. 22, TWP. 27-S, R-2-W.
 Elev. = 1410.27 NAVD88

*See detail,
 sheet 8.



Baughman Company, P.A.
 ENGINEERING, ARCHITECTURE, PLANNING, LANDSCAPE ARCHITECTURE
 17919
 4/1/19

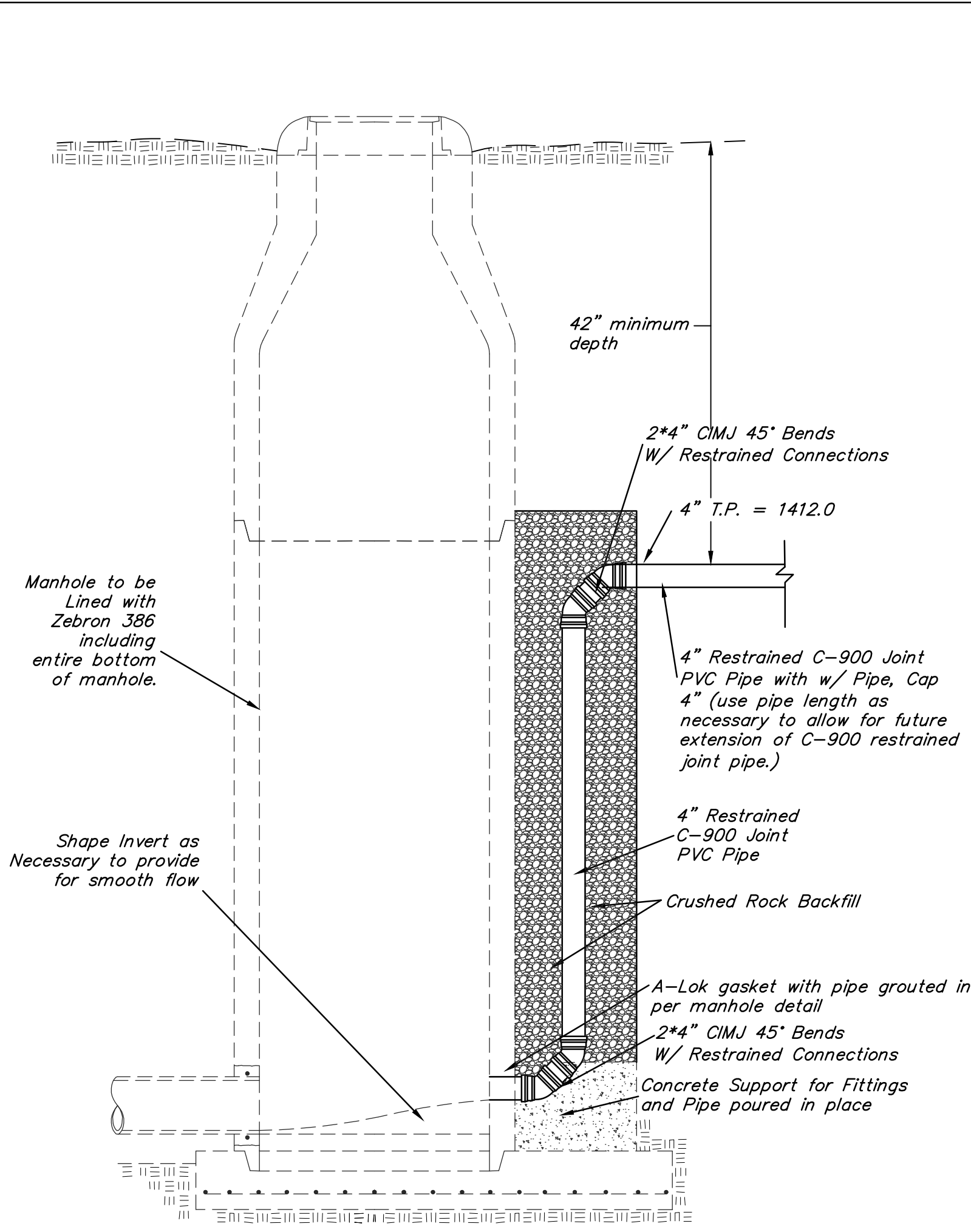
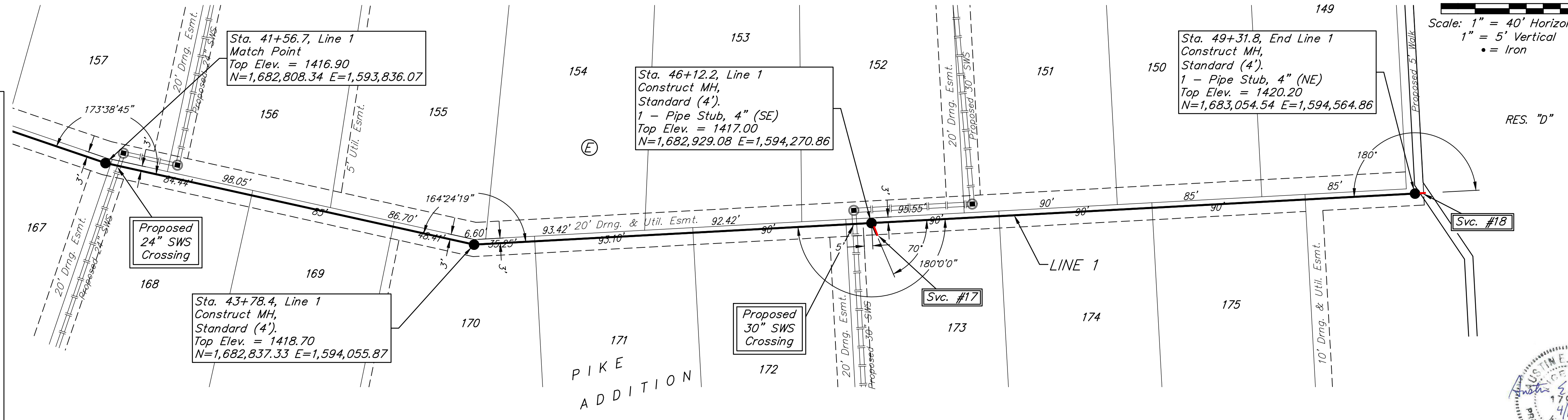
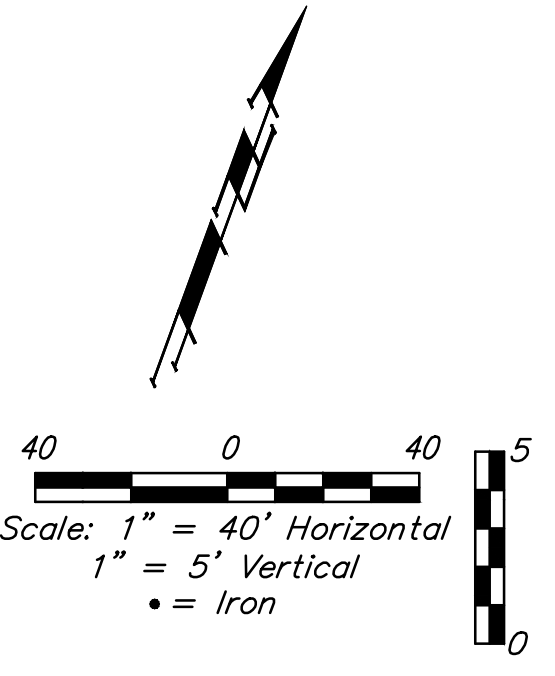
PIKE ADDITION - PH. I
LINES 1 & 1B
 SANITARY SEWER IMPROVEMENTS

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SEWER SERVICE TABLE

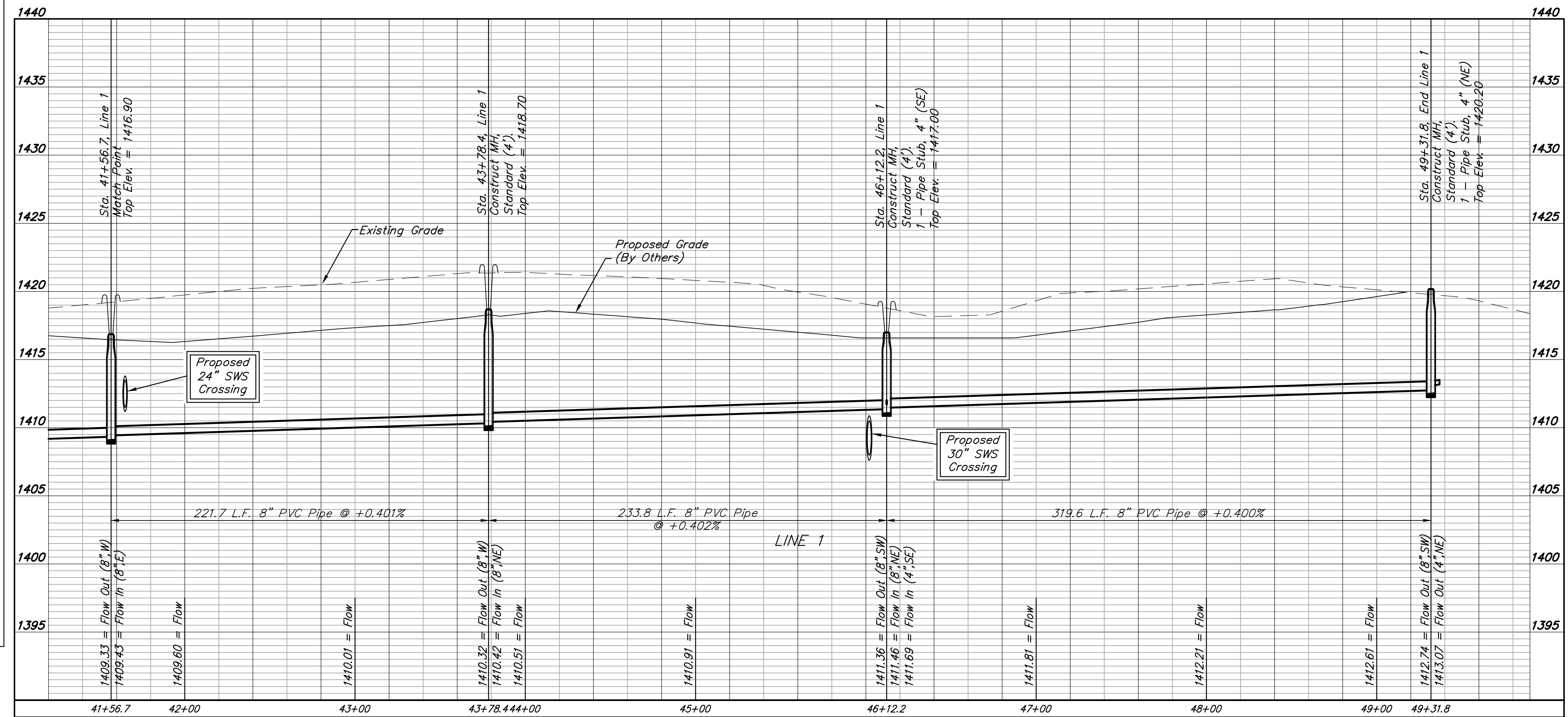
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7.5' Rt.	@ mh	-	17	4" Stub W/Riser	173	E	1	46+12.2/Rt.	3.0'	7.5'
5' Rt.	@ mh	-	18	4" Stub W/Riser	Res."D"	E	1	49+31.8/Rt.	3.0'	5.0'

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



Sta 3+43.0, Line 1B
FUTURE FORCE MAIN CONNECTION DETAIL
 No Scale

Note: 2*45° Elbow at Base of Manhole shall be Directed to Discharge Flow in Direction of 10" Outlet Pipe and Invert shall be shaped to provide for smooth flow. All Costs Associated manhole opening, bends, pipe, rock backfill, concrete, other materials, and work necessary to install future connection shall be included in the lump sum bid item, "Future forced main connection".



PIKE ADDITION - PH. 1
LINE 1
 SANITARY SEWER IMPROVEMENTS

Justin S. Gottlieb
 PROFESSIONAL ENGINEER
 License No. 17978
 State of Kansas

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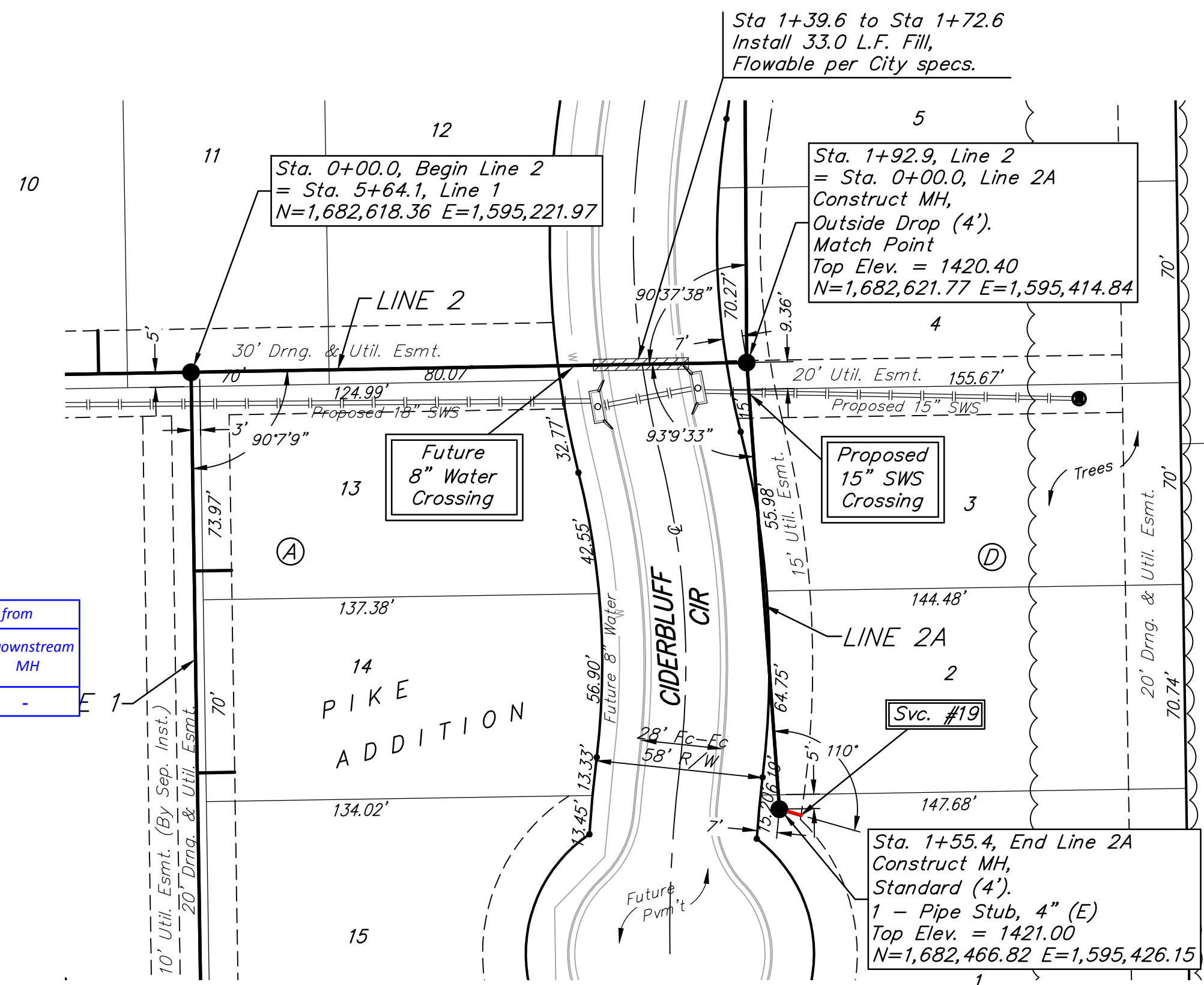
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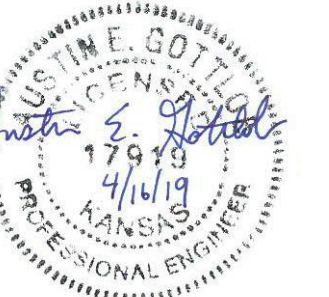
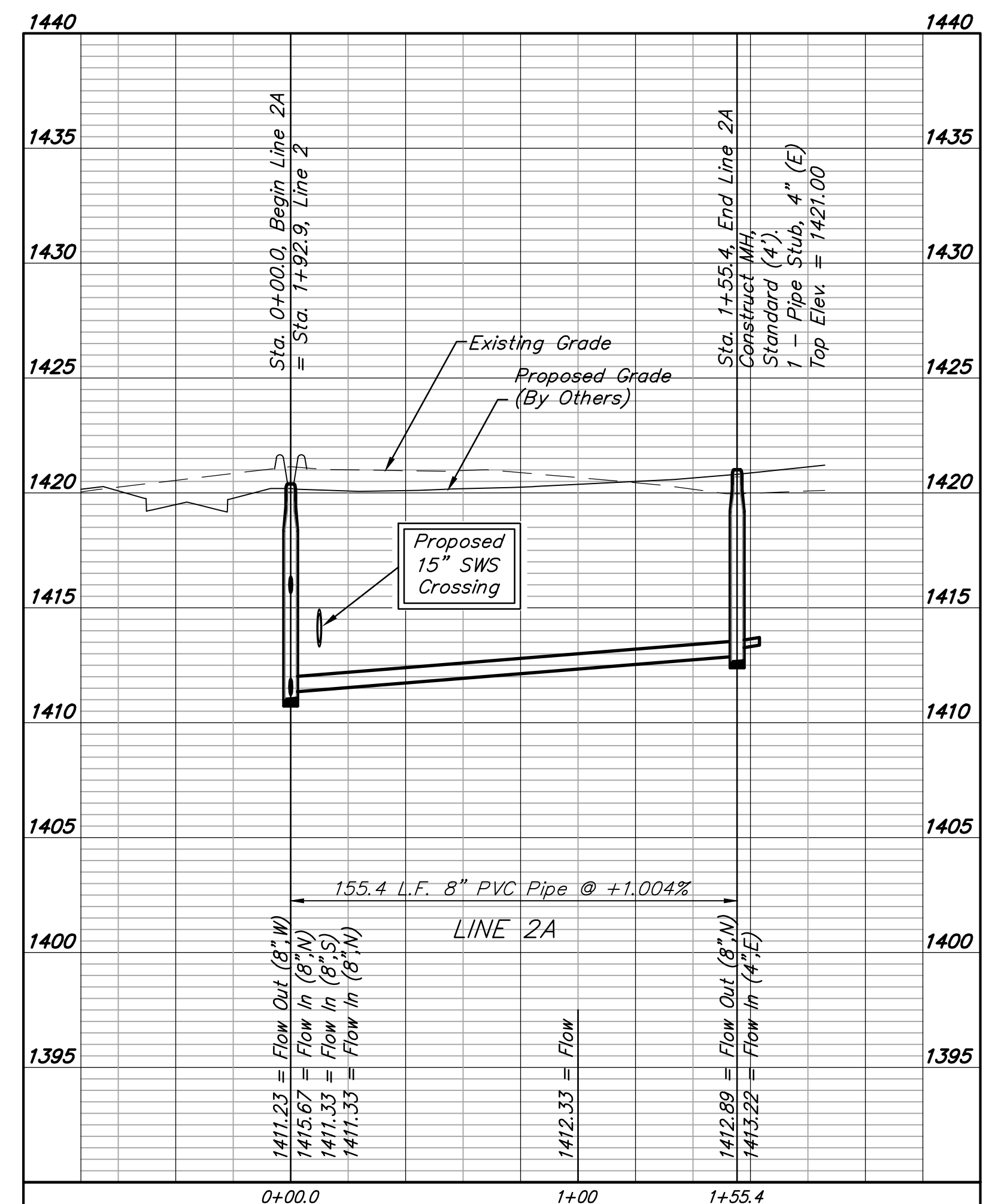
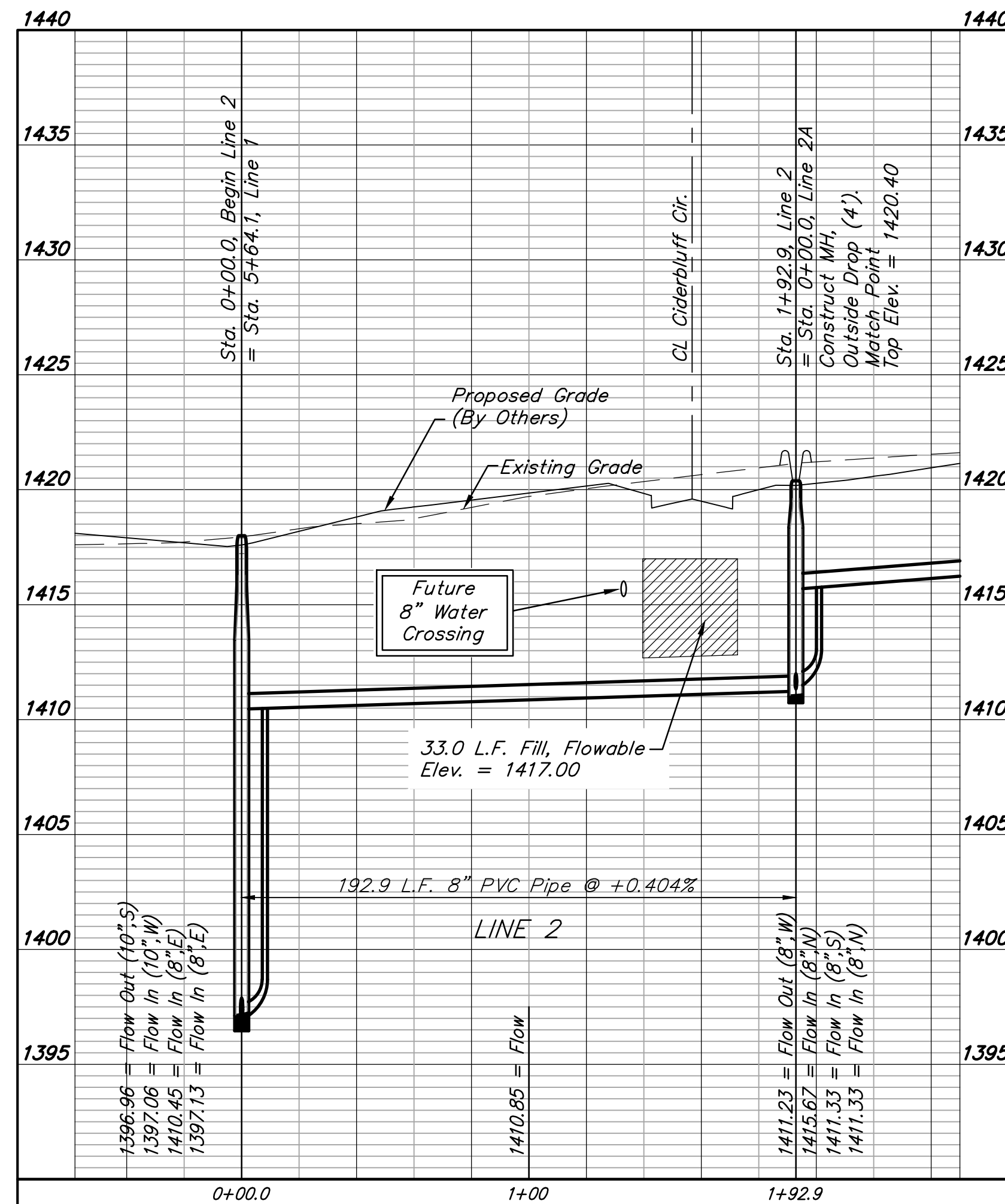
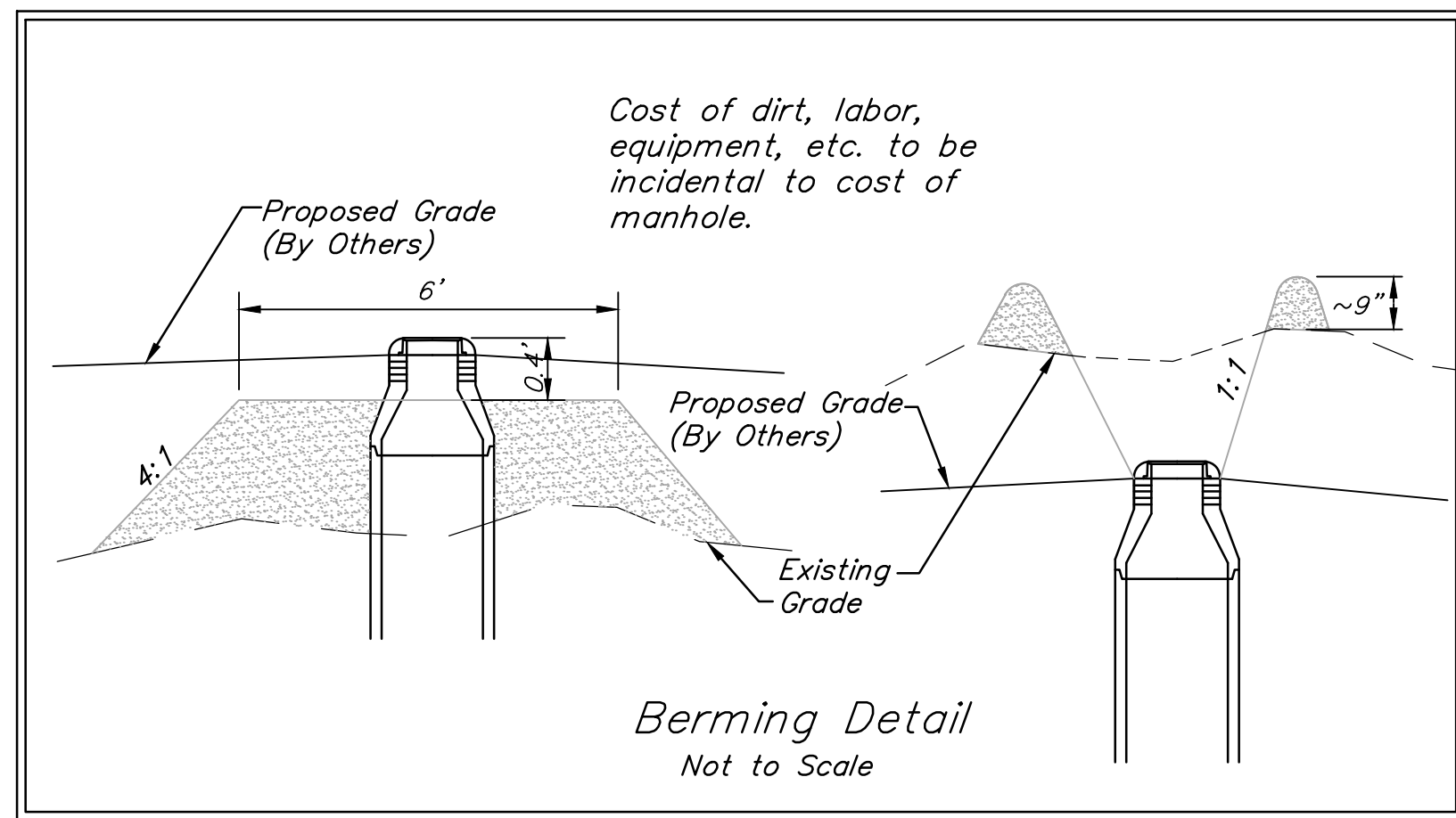
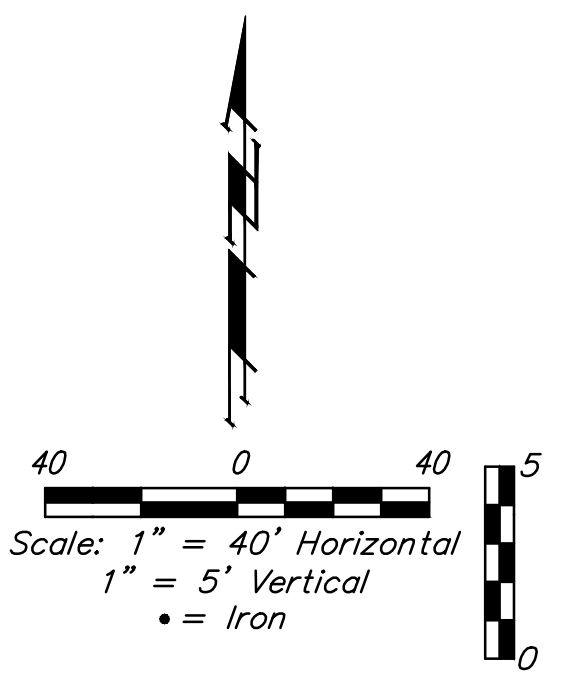
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19	4" Stub W/Riser	1	D	2A	1+55.4/Lt.	4.0'	7.8'	8' Lt.	@ mh	-

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



UNPLATTED

All trench and manhole excavation areas from Sta. 0+00 to Sta. 1+55.4, Line 2A 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)".



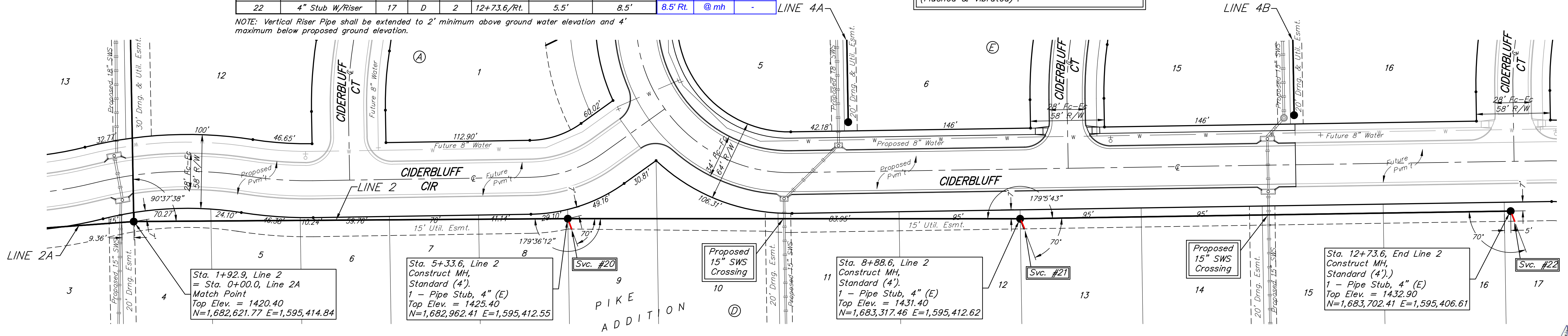
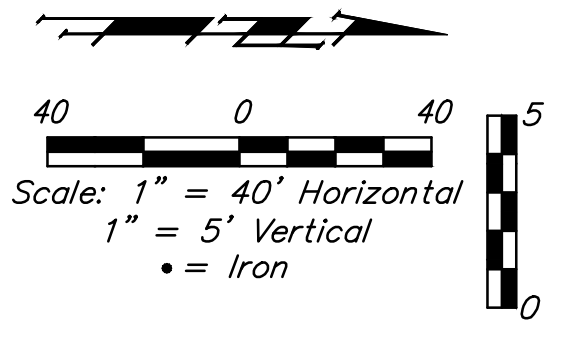
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SEWER SERVICE TABLE

NUMBER	TYPE	LOCATION			STATION\ DIRECTION	FOR INFORMATION ONLY		Distance from	
		LOT NO.	BLOCK NO.	LINE NO.		APPROXIMATE LENGTH 4" PIPE	Distance from Main to Riser (L/R)	Upstream MH	Downstream MH
					VERTICAL	HORIZONTAL			
20	4" Stub W/Riser	9	D	2	5+33.6/Rt.	2.0'	8.5'	8.5' Rt.	@ mh
21	4" Stub W/Riser	13	D	2	8+88.6/Rt.	6.5'	8.5'	8.5' Rt.	@ mh
22	4" Stub W/Riser	17	D	2	12+73.6/Rt.	5.5'	8.5'	8.5' Rt.	@ mh

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

All trench and manhole excavation areas from Sta. 1+92.9 to Sta. 12+73.6, Line 2 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)".

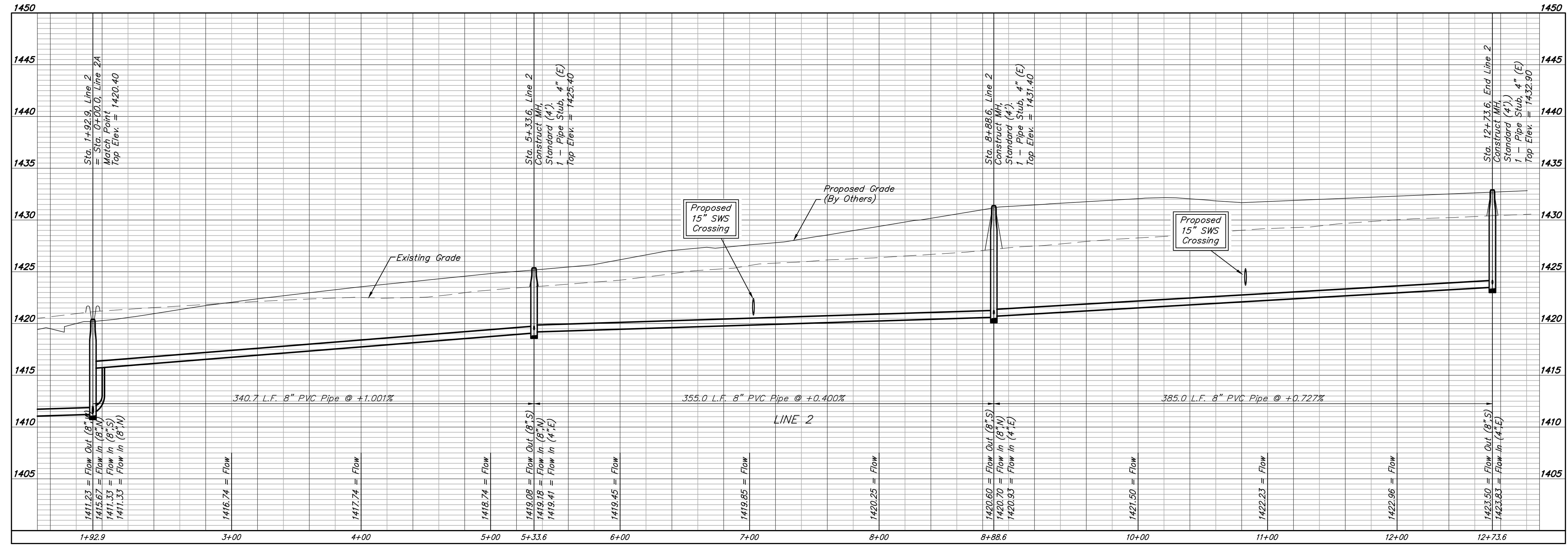


Sta. 1+92.9, Line 2 = Sta. 0+00.0, Line 2A Match Point
 Top Elev. = 1420.40
 N=1,682,621.77 E=1,595,414.84

Sta. 5+33.6, Line 2 Construct MH, Standard (4'),
 1 - Pipe Stub, 4" (E)
 Top Elev. = 1425.40
 N=1,682,962.41 E=1,595,412.55

Sta. 8+88.6, Line 2 Construct MH, Standard (4'),
 1 - Pipe Stub, 4" (E)
 Top Elev. = 1431.40
 N=1,683,317.46 E=1,595,412.62

Sta. 12+73.6, End Line 2 Construct MH, Standard (4'),
 1 - Pipe Stub, 4" (E)
 Top Elev. = 1432.90
 N=1,683,702.41 E=1,595,406.61



BAUGHMAN
 SHEET
10
 OF
27

PIKE ADDITION - PH. 1
LINE 2
 SANITARY SEWER IMPROVEMENTS

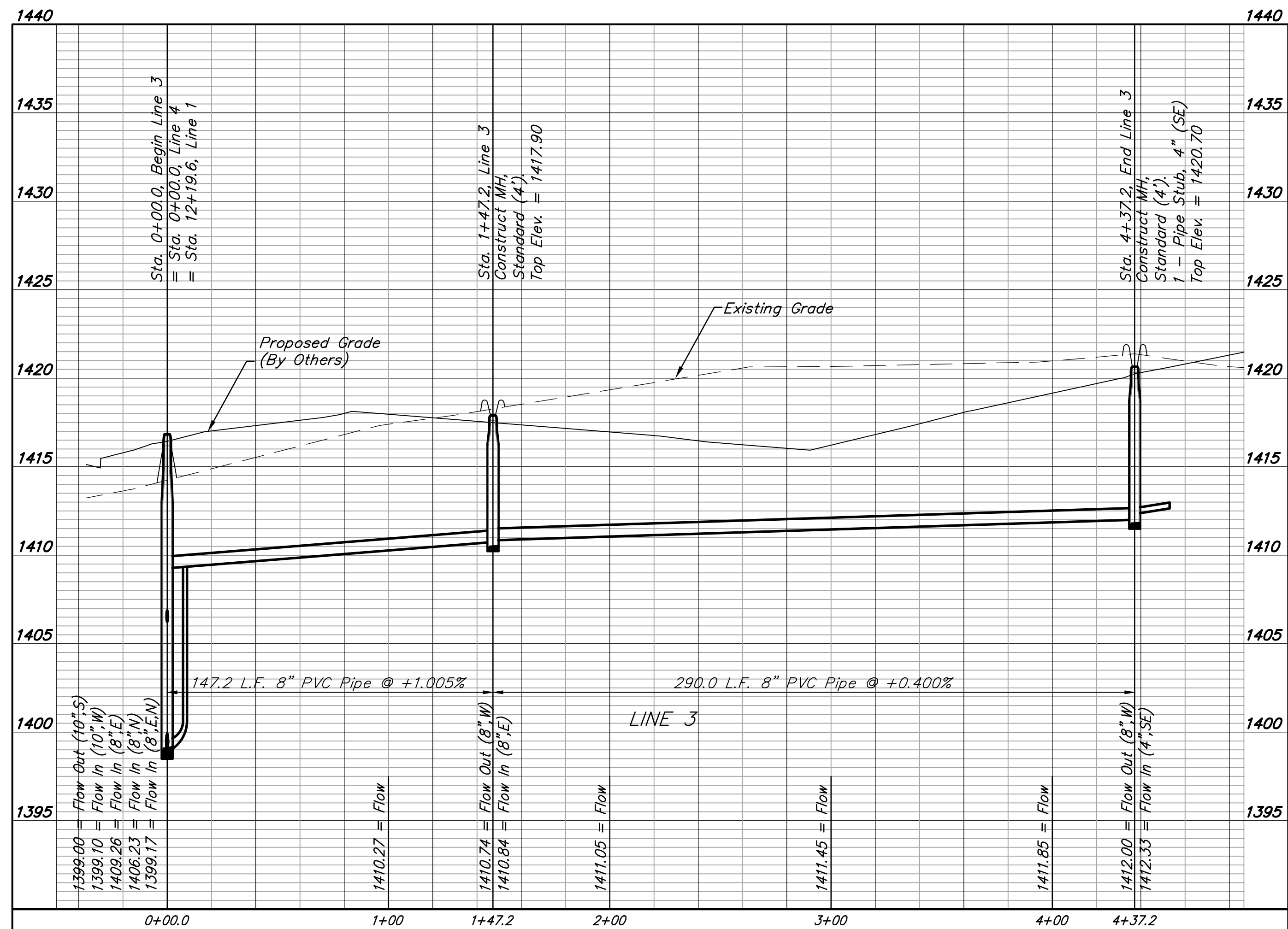
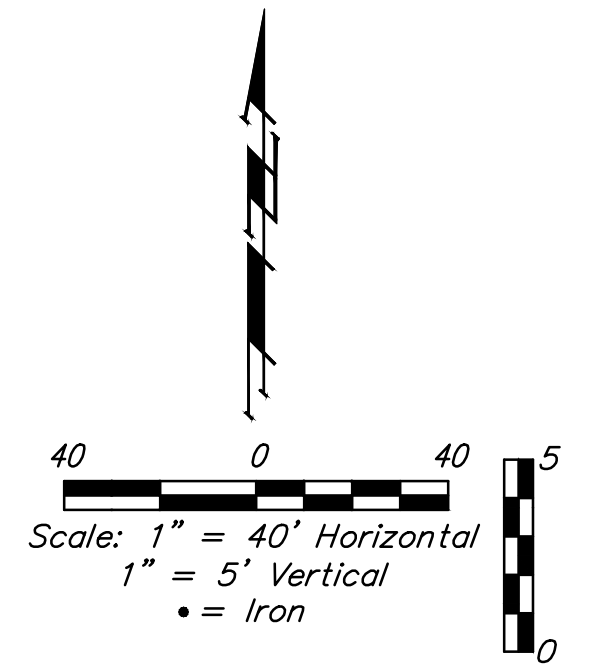
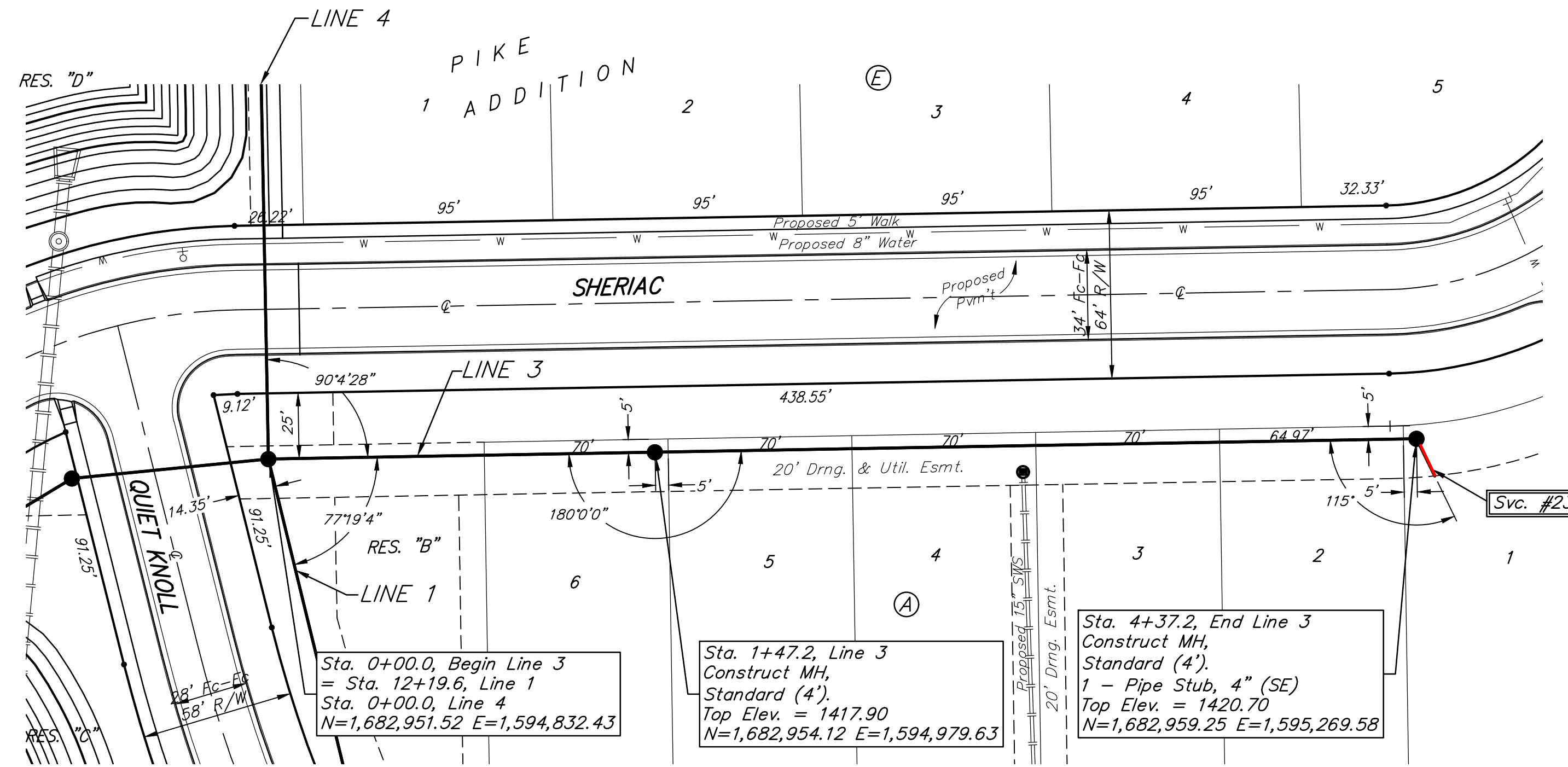
Baughman Company, P.A.
 1515 W. 21st St., Suite 100, Wichita, KS 67205
 ENGINEERING, SURVEYING, PLANNING, LANDSCAPE ARCHITECTURE
 Justin S. Gottlieb
 PROFESSIONAL ENGINEER
 License No. 17978
 State of Kansas
 Date: 4/1/19

BENCHMARK:
 BM #1: City of Wichita disc top
 of headwall of RCBC 660'± east
 of the SE Cor. of the SE1/4,
 SEC. 22, TWP. 27-S, R-2-W.
 Elev. = 1410.27 NAVD88

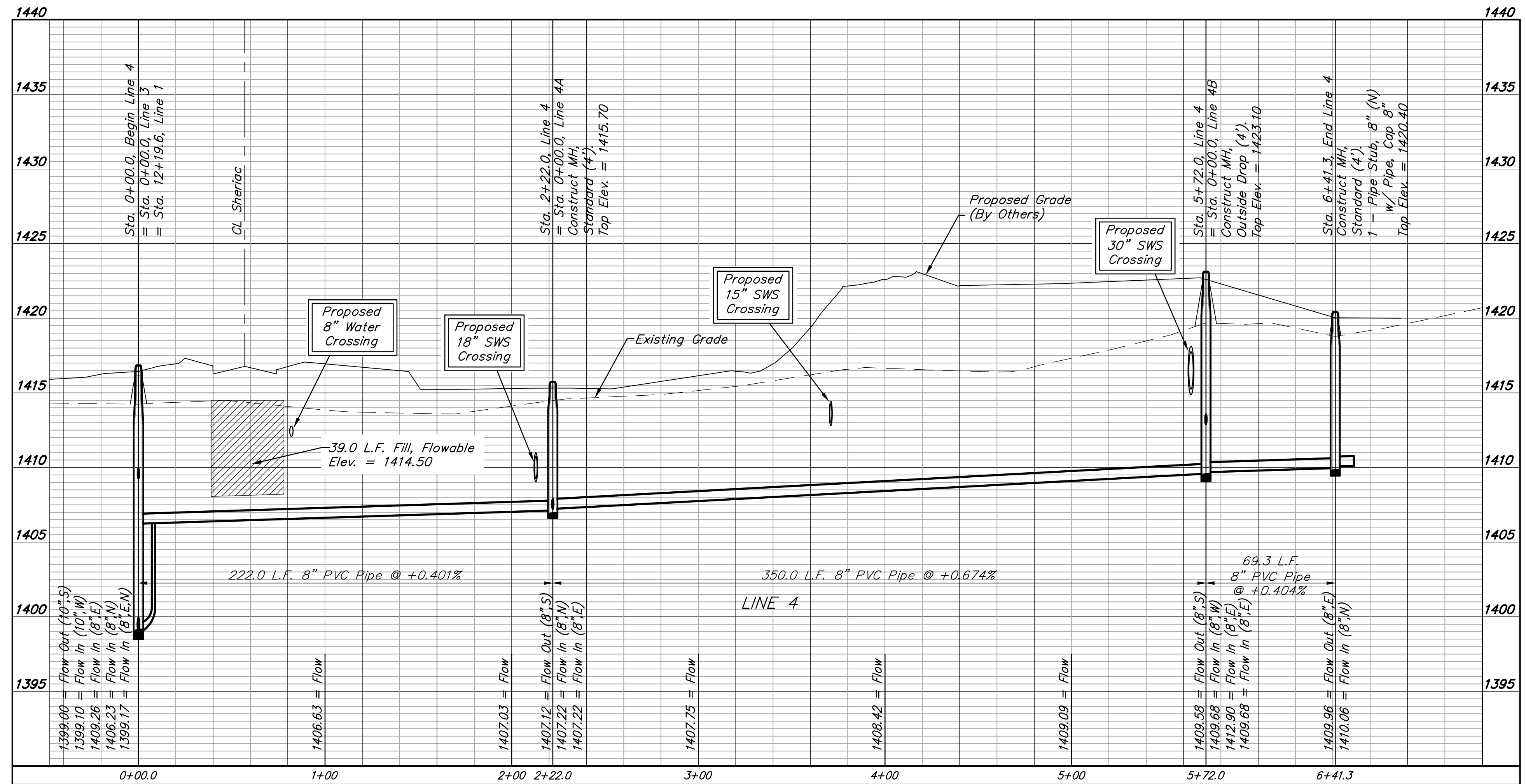
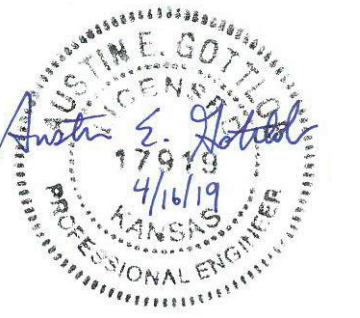
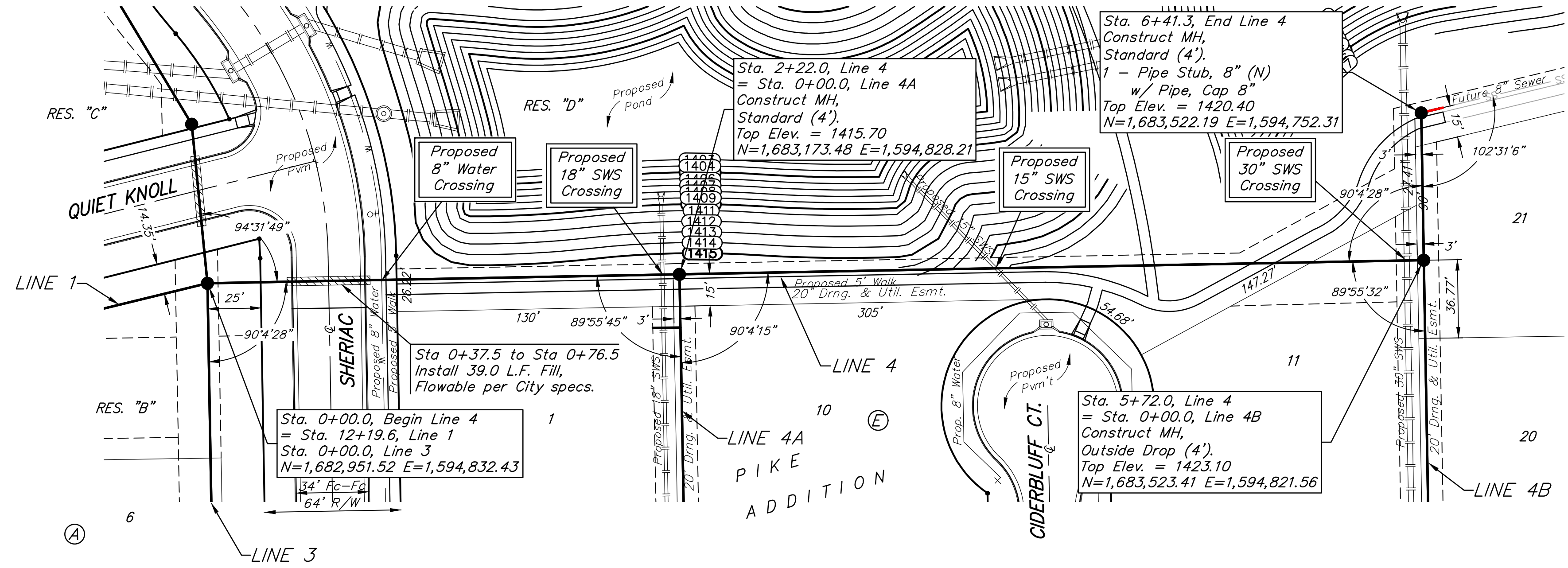
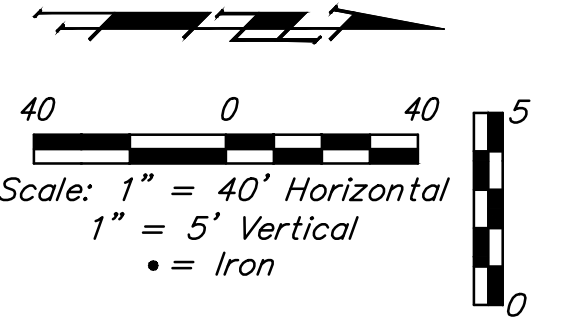
SEWER SERVICE TABLE

Distance from Main to Riser (Lt./Rt.)	Distance from		NUMBER	TYPE	LOCATION			FOR INFORMATION ONLY		
	Upstream MH	Downstream MH			LOT NO.	BLOCK NO.	LINE NO.	STATION \ DIRECTION	APPROXIMATE LENGTH 4" PIPE	VERTICAL
16' Rt.	@ mh	-	23	4" Stub W/Riser	1	A	3	4+37.2/Rt.	4.0'	15.8'

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



BENCHMARK:
 BM #1: City of Wichita disc top
 of headwall of RCBC 660± east
 of the SE Cor. of the SE1/4,
 SEC. 22, TWP. 27-S, R-2-W.
 Elev. = 1410.27 NAVD88



Baughman Company, P.A.
 JUSTIN S. JOHNSON
 LICENSE NO. 17919
 STATE OF KANSAS
 PROFESSIONAL ENGINEER
 4/16/19

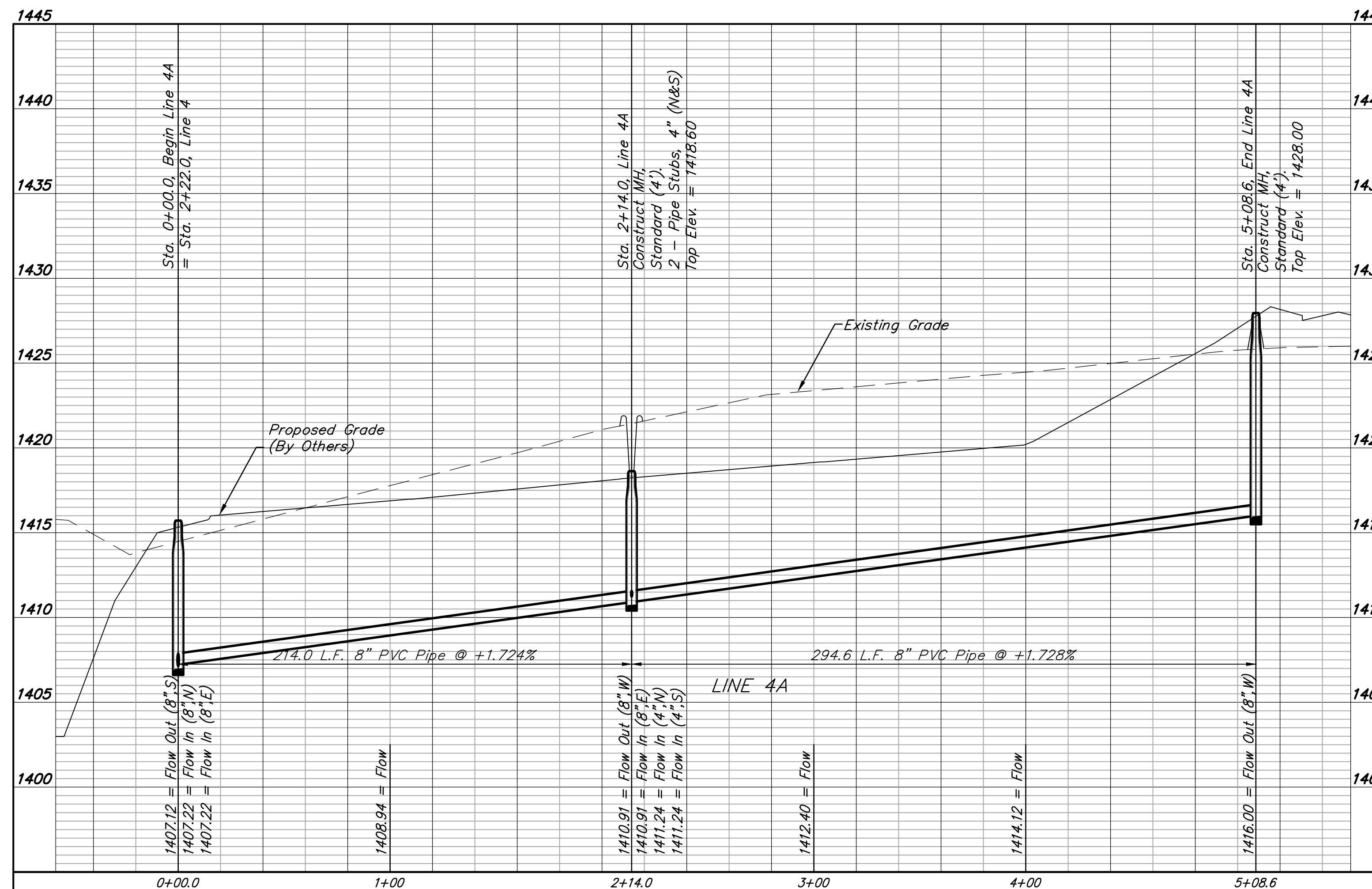
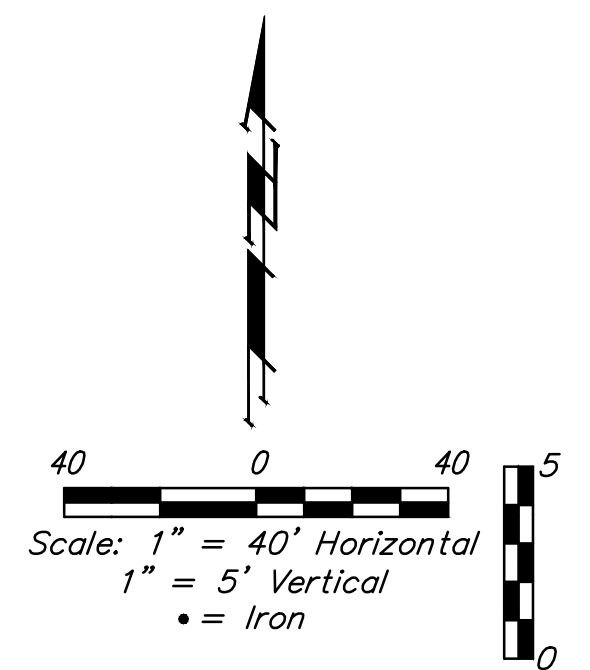
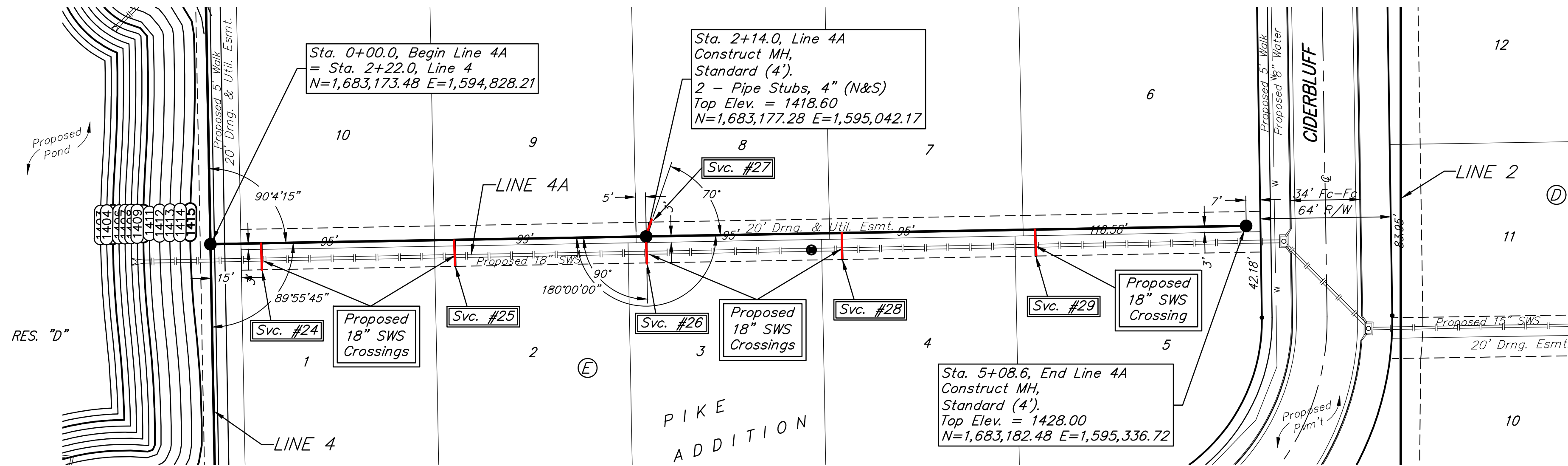
PIKE ADDITION - PH. 1
LINE 4
 SANITARY SEWER IMPROVEMENTS

BENCHMARK:
 BM #1: City of Wichita disc top of headwall of RCBC 660'± east of the SE Cor. of the SE1/4, SEC. 22, TWP. 27-S, R-2-W. Elev. = 1410.27 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	VERTICAL	HORIZONTAL		Upstream MH	Downstream MH
24	8" X 4" Tee W/Riser	1	E	4A	0+25.0/Rt.	4.5'	13.0'	13' Rt.	189'	25'
25	8" X 4" Tee W/Riser	2	E	4A	1+20.0/Rt.	4.0'	13.0'	13' Rt.	94'	120'
26	4" Stub W/Riser	3	E	4A	2+14.0/Rt.	3.0'	13.0'	13' Rt.	@ mh	
27	4" Stub W/Riser	8	E	4A	2+14.0/Lt.	3.0'	7.4'	7.5' Lt.	@ mh	
28	8" X 4" Tee W/Riser	4	E	4A	3+10.0/Rt.	2.5'	13.0'	13' Rt.	199'	96'
29	8" X 4" Tee W/Riser	5	E	4A	4+05.0/Rt.	2.0'	13.0'	13' Rt.	104'	191'

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

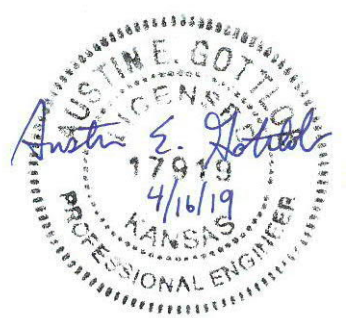
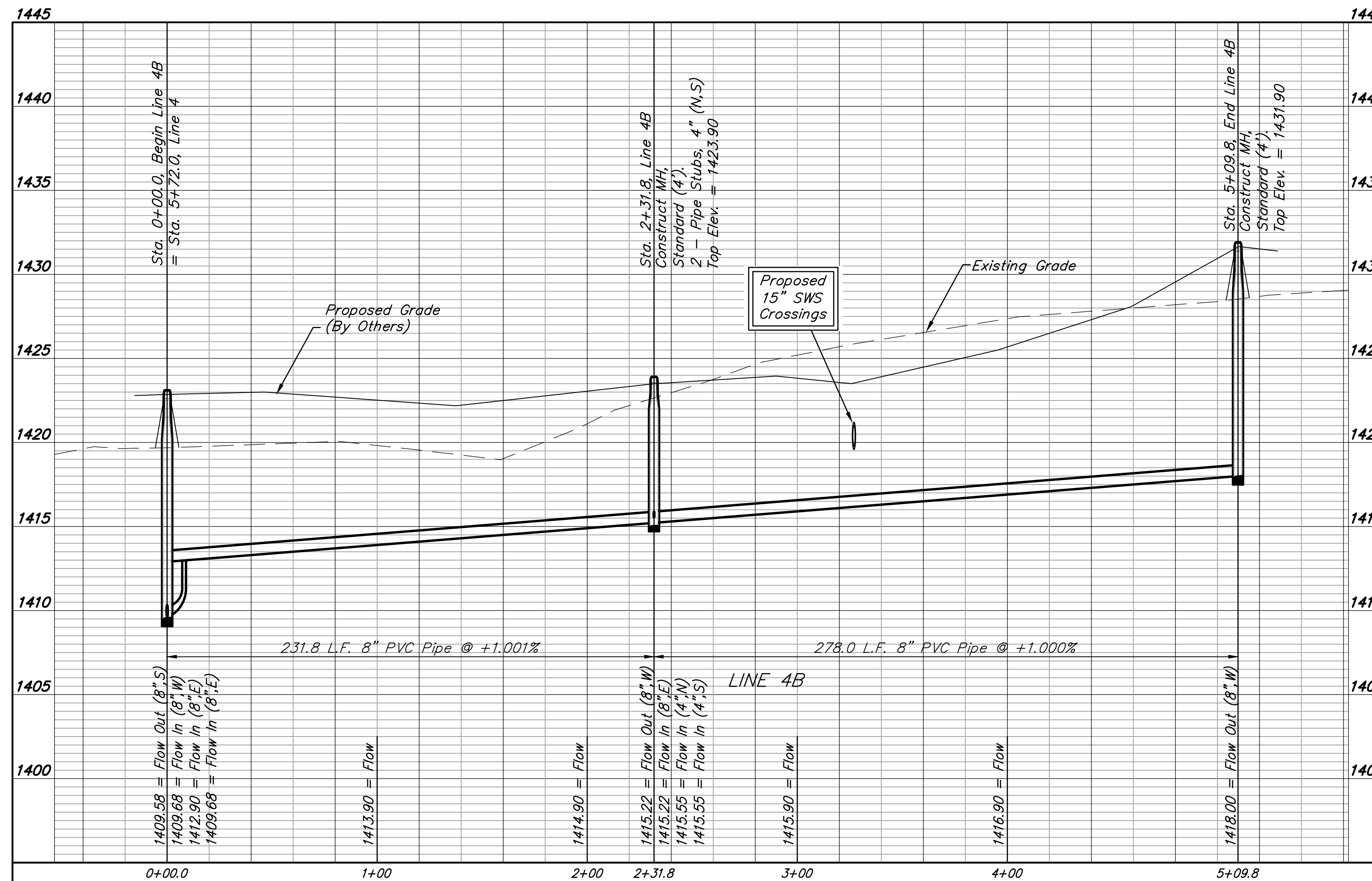
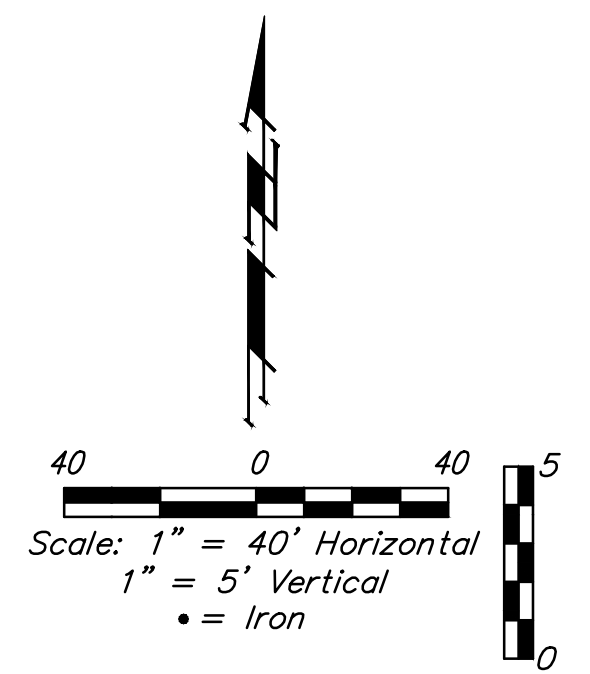
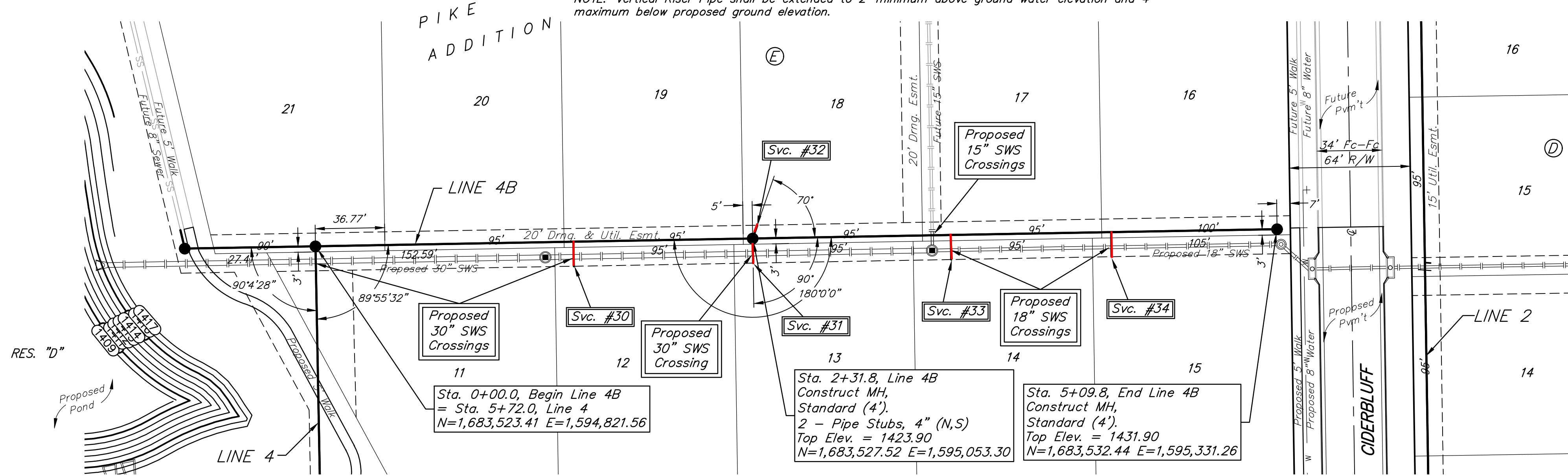


BENCHMARK:
 BM #1: City of Wichita disc top of headwall of RCBC 660'± east of the SE Cor. of the SE1/4, SEC. 22, TWP. 27-S, R-2-W. Elev. = 1410.27 NAVD88

SEWER SERVICE TABLE

Distance from Main to Riser (Lt./Rt.)	Distance from		NUMBER	TYPE	LOCATION			FOR INFORMATION ONLY		
	Upstream MH	Downstream MH			LOT NO.	BLOCK NO.	LINE NO.	STATION \ DIRECTION	APPROXIMATE LENGTH 4" PIPE	VERTICAL
13' Rt.		137'	30	8" X 4" Tee W/Riser	12	E	4B	1+36.7/Rt.	4.0'	13.0'
13' Rt.	@ mh		31	4" Stub W/Riser	13	E	4B	2+31.8/Rt.	4.0'	13.0'
7.5' Lt.	@ mh		32	4" Stub W/Riser	18	E	4B	2+31.8/Lt.	4.0'	7.5'
13' Rt.	173'	105'	33	8" X 4" Tee W/Riser	14	E	4B	3+36.8/Rt.	3.5'	13.0'
13' Rt.	88'	190'	34	8" X 4" Tee W/Riser	15	E	4B	4+21.7/Rt.	9.5'	13.0'

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

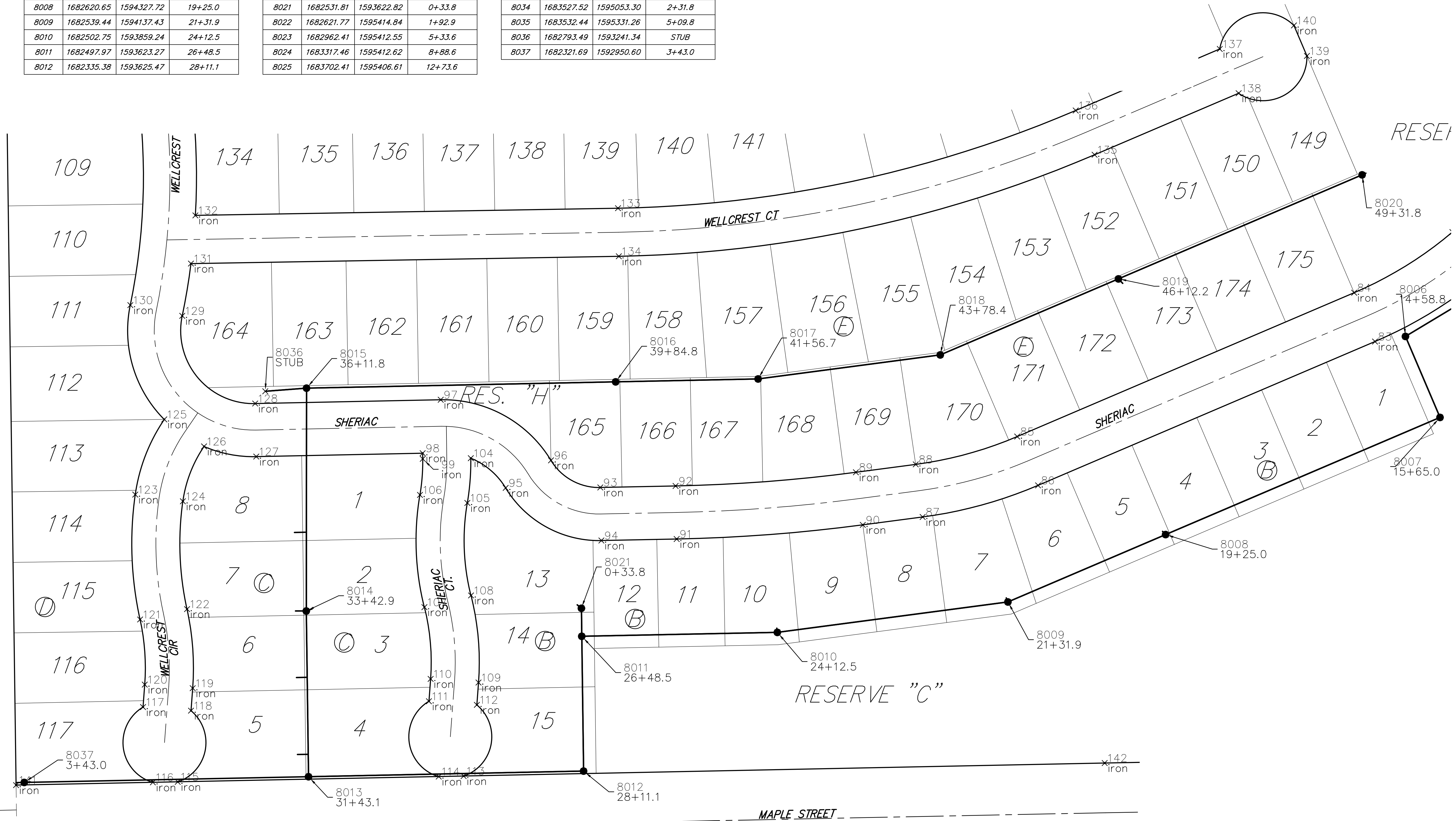
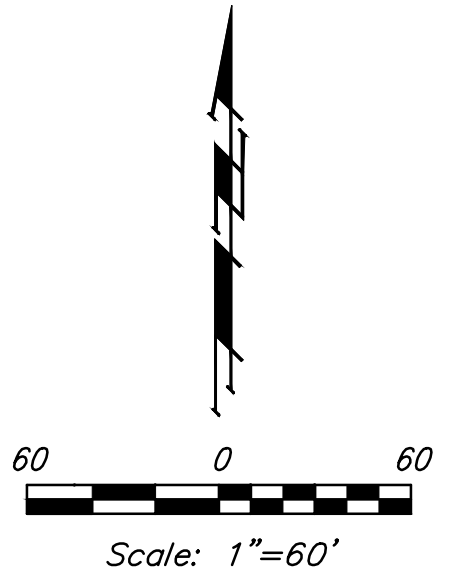


SANITARY SEWER

Point #	Northing	Easting	Raw Description
8000	1682374.54	1595540.06	0+00
8001	1682368.58	1595225.87	3+14.2
8002	1682618.36	1595221.97	5+64.1
8003	1682612.92	1594914.94	8+71.1
8004	1682951.52	1594832.43	12+19.6
8005	1682944.16	1594757.62	12+94.8
8006	1682859.63	1594617.14	14+58.8
8007	1682761.94	1594658.83	15+65.0
8008	1682620.65	1594327.72	19+25.0
8009	1682539.44	1594137.43	21+31.9
8010	1682502.75	1593859.24	24+12.5
8011	1682497.97	1593623.27	26+48.5
8012	1682335.38	1593625.47	28+11.1

Point #	Northing	Easting	Raw Description
8013	1682328.65	1593293.53	31+43.1
8014	1682528.49	1593290.83	33+42.9
8015	1682797.30	1593291.19	36+11.8
8016	1682804.86	1593664.20	39+84.8
8017	1682808.34	1593836.07	41+56.7
8018	1682837.33	1594055.87	43+78.4
8019	1682929.08	1594270.86	46+12.2
8020	1683054.54	1594564.86	49+31.8
8021	1682531.81	1593622.82	0+33.8
8022	1682621.77	1595414.84	1+92.9
8023	1682962.41	1595412.55	5+33.6
8024	1683317.46	1595412.62	8+88.6
8025	1683702.41	1595406.61	12+73.6

Point #	Northing	Easting	Raw Description
8026	1682466.82	1595426.15	1+55.4
8027	1682954.12	1594979.63	1+47.2
8028	1682959.25	1595269.58	4+37.2
8029	1683173.48	1594828.21	2+22.0
8030	1683523.41	1594821.56	5+72.0
8031	1683522.19	1594752.31	6+41.3
8032	1683177.28	1595042.17	2+14.0
8033	1683182.48	1595336.72	5+08.6
8034	1683527.52	1595053.30	2+31.8
8035	1683532.44	1595331.26	5+09.8
8036	1682793.49	1593241.34	STUB
8037	1682321.69	1592950.60	3+43.0



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 1615 W. 45th St., Suite 100, Overland Park, KS 66204
 ENGINEERING, SURVEYING, PLANNING, LANDSCAPE ARCHITECTURE
Baughman
 Date: 04/19/19

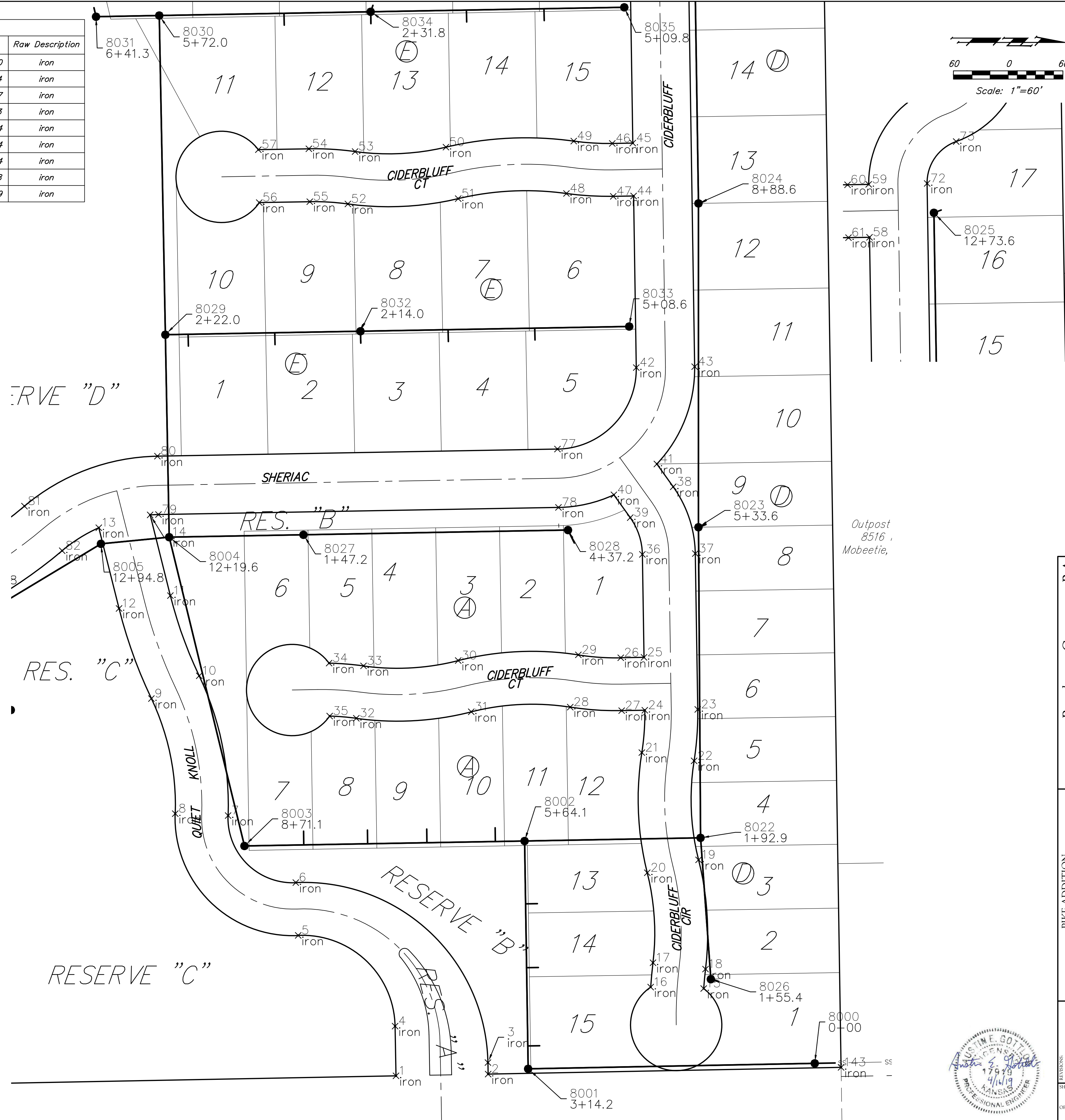
PIKE ADDITION
STAKING PLAN
 SANITARY SEWER IMPROVEMENTS

IRONS

Point #	Northing	Easting	Raw Description
1	1682360.83	1595081.04	iron
2	1682362.74	1595182.02	iron
3	1682375.37	1595181.78	iron
4	1682415.31	1595080.01	iron
5	1682514.80	1594973.86	iron
6	1682572.74	1594971.20	iron
7	1682646.22	1594897.00	iron
8	1682648.31	1594839.04	iron
9	1682774.53	1594812.92	iron
10	1682799.45	1594865.29	iron
11	1682887.39	1594833.70	iron
12	1682873.30	1594777.44	iron
13	1682961.81	1594755.26	iron
14	1682975.90	1594811.53	iron
15	1682456.58	1595418.25	iron
16	1682458.15	1595360.22	iron
17	1682484.81	1595362.72	iron
18	1682477.87	1595420.31	iron
19	1682597.68	1595412.68	iron
20	1682583.50	1595356.44	iron
21	1682715.24	1595350.47	iron
22	1682706.20	1595407.76	iron
23	1682762.62	1595411.75	iron
24	1682761.71	1595353.75	iron
25	1682819.71	1595352.85	iron
26	1682819.26	1595327.40	iron
27	1682761.27	1595328.42	iron
28	1682765.13	1595272.00	iron
29	1682822.44	1595280.92	iron
30	1682816.19	1595149.19	iron
31	1682759.99	1595163.49	iron
32	1682752.89	1595037.54	iron
33	1682810.35	1595045.44	iron
34	1682813.34	1595007.68	iron
35	1682755.31	1595008.32	iron
36	1682932.60	1595351.09	iron
37	1682933.50	1595409.08	iron
38	1683006.68	1595384.92	iron
39	1682972.87	1595337.79	iron
40	1682997.90	1595319.83	iron
41	1683031.71	1595366.96	iron
42	1683137.42	1595344.42	iron
43	1683138.42	1595408.41	iron
44	1683325.58	1595341.48	iron
45	1683383.58	1595340.58	iron
46	1683383.18	1595318.13	iron
47	1683325.19	1595319.15	iron
48	1683328.30	1595267.84	iron
49	1683385.74	1595275.86	iron
50	1683379.10	1595135.78	iron
51	1683322.67	1595149.20	iron
52	1683316.82	1595028.27	iron
53	1683374.28	1595036.17	iron
54	1683377.29	1594985.53	iron
55	1683319.30	1594986.55	iron
56	1683318.32	1594931.17	iron
57	1683376.31	1594930.14	iron
58	1683675.54	1595336.02	iron
59	1683733.54	1595335.12	iron
60	1683733.13	1595311.93	iron
61	1683675.13	1595312.96	iron
62	1683679.00	1595256.53	iron
63	1683736.31	1595265.45	iron
64	1683731.48	1595139.50	iron
65	1683675.02	1595152.79	iron

Point #	Northing	Easting	Raw Description
66	1683672.15	1594992.43	iron
67	1683729.05	1595003.69	iron
68	1683725.62	1594860.62	iron
69	1683669.33	1594874.58	iron
70	1683662.75	1594810.77	iron
71	1683720.63	1594815.69	iron
72	1683734.53	1595399.11	iron
73	1683780.48	1595430.94	iron
74	1683840.74	1595409.39	iron
75	1683886.69	1595441.22	iron
76	1683887.68	1595505.21	iron
77	1683048.06	1595257.99	iron
78	1682984.07	1595259.12	iron
79	1682976.31	1594820.64	iron
80	1683040.30	1594819.50	iron
81	1682985.48	1594673.79	iron
82	1682936.61	1594715.12	iron
83	1682853.49	1594580.37	iron
84	1682912.36	1594555.25	iron
85	1682738.85	1594148.66	iron
86	1682679.99	1594173.78	iron
87	1682641.87	1594034.55	iron
88	1682705.32	1594026.18	iron
89	1682695.80	1593953.99	iron
90	1682632.35	1593962.36	iron
91	1682615.31	1593737.76	iron
92	1682679.30	1593736.46	iron
93	1682677.46	1593645.61	iron
94	1682613.47	1593646.90	iron
95	1682676.95	1593531.39	iron
96	1682710.16	1593586.10	iron
97	1682783.25	1593453.08	iron
98	1682718.79	1593431.27	iron
99	1682712.00	1593431.36	iron
104	1682712.78	1593489.36	iron
105	1682658.78	1593485.18	iron
106	1682668.46	1593428.00	iron
107	1682533.08	1593433.37	iron
108	1682547.26	1593489.61	iron
109	1682442.21	1593498.68	iron
110	1682446.55	1593440.84	iron
111	1682419.61	1593438.82	iron
112	1682415.28	1593496.66	iron
113	1682329.45	1593480.66	iron
114	1682328.84	1593450.66	iron
115	1682322.45	1593135.72	iron
116	1682321.84	1593105.73	iron
117	1682412.62	1593093.88	iron
118	1682408.28	1593151.72	iron
119	1682435.36	1593153.75	iron
120	1682439.70	1593095.91	iron
121	1682518.25	1593090.31	iron
122	1682530.75	1593146.94	iron
123	1682668.85	1593084.49	iron
124	1682660.76	1593141.92	iron
125	1682759.59	1593119.52	iron
126	1682726.99	1593167.49	iron
127	1682714.72	1593230.46	iron
128	1682778.71	1593229.16	iron
129	1682884.46	1593141.19	iron
130	1682897.39	1593078.51	iron
131	1682947.50	1593151.69	iron
132	1683005.60	1593157.02	iron
133	1683014.29	1593666.95	iron
134	1682956.29	1593667.94	iron

Point #	Northing	Easting	Raw Description
135	1683078.77	1594242.00	iron
136	1683132.11	1594219.24	iron
137	1683206.29	1594393.07	iron
138	1683152.94	1594415.83	iron
139	1683197.90	1594498.24	iron
140	1683234.69	1594482.54	iron
141	1682318.49	1592940.64	iron
142	1682345.14	1594254.18	iron
143	1682370.09	1595568.89	iron



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 BAUGHMAN

PIKE ADDITION
STAKING PLAN
 SANITARY SEWER IMPROVEMENTS