

GENERAL NOTES:

1. The Contractor shall comply with all applicable safety regulations. All construction shall be completed following current City Standard Specifications and Special Provisions.

2. 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 1-316-219-9921
- 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

3. 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.

4. 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.

5. 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.

6. 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.

7. 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.

8. The Engineering Division shall field locate water valves one time during construction when requested by the Contractor. It shall be the Contractor's responsibility to preserve such field locations during the construction process. Water valves, valve boxes or fire hydrants damaged during construction shall be repaired by Contractor at his own expense. Valve boxes and water meters within the project limits shall be adjusted to match final grades by the contractor.

9. If traffic will be impacted by construction, a traffic control plan must be submitted and approved by the City Traffic Engineer, Mike Armour at traffic@wichita.gov before construction can begin. The Contractor shall be responsible for all traffic control measures to facilitate construction. All construction zone markings and signage shall conform to the latest version of the Manual on Uniform Traffic Control Devices (MUTCD) as published by the US Dept. of Transportation, Federal Highway Administration. All costs associated with construction markings and signage shall be the Contractors responsibility.

10. All elevations shown are NAVD 88.

11. All areas disturbed during construction that will not be under proposed pavement shall be restored to match existing conditions.

Contractor: Apex Excavating
 Superintendent: Dan Heddin
 Inspector: Taylor Creighton
 Engineer: Dayen Gierhart

See sheet 5.0 for changes.

12. All applicable fees (tap, equity, in lieu of & main benefit) must be paid before any connections can be made on this project. Quotes can be obtained on fees by calling 316-268-4555.

13. All stubs and capped pipes shall be located with green plastic tape in the same manner as risers.

14. Connecting to Existing Manholes: Prior to laying sewer lines using existing stubs in existing manholes, the Contractor shall expose and verify the elevation, grade and alignment of existing stubs and notify the Engineer of any deviation from the plans. Where the stub is unusable due to elevation grade or alignment, the Contractor shall remove the stub and plug the hole, and reshape the existing manhole invert to provide smooth flow. Where connecting to an existing manhole that does not have an existing stub, the Contractor shall core cut into existing manhole wall to make connection using approved water stop gasket, and reshape the existing manhole invert to provide smooth flow. The cost to connecting to existing manholes is incidental to the project.

15. Contractor shall limit the extent of trench open overnight and weekends to less than 50 feet.

16. Contractor shall provide positive drainage away from all manhole covers.

17. The Contractor shall prevent any construction debris from entering the existing sanitary sewer during construction.

18. The Contractor shall be responsible for maintaining continuous flow of sewage through construction. Contractors proposed method for maintaining sewage flow shall be submitted and approved by the Sewer Maintenance Division (316-268-4073) prior to starting and by-passing of sewage flows.

19. Any over excavation from manhole and pipe removal shall be backfilled with AB-3 compacted to 90-95% ASTM D698.

20. The Contractor shall protect from damage and support existing utilities through construction as approved by the utility owner and the Engineer at the contractors expense.

21. Contractor shall be responsible for removal of existing trees as deemed necessary to complete the project.

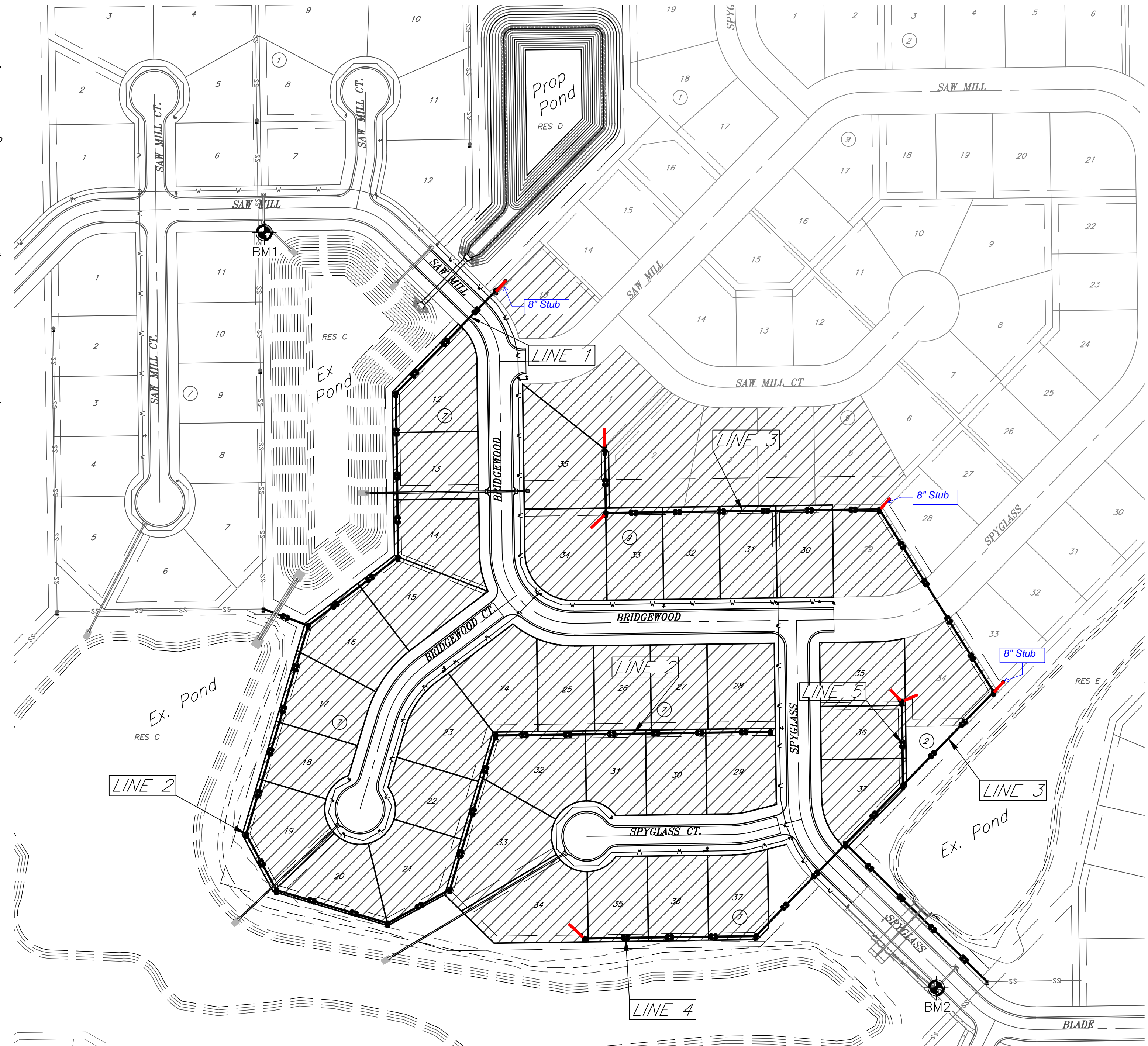
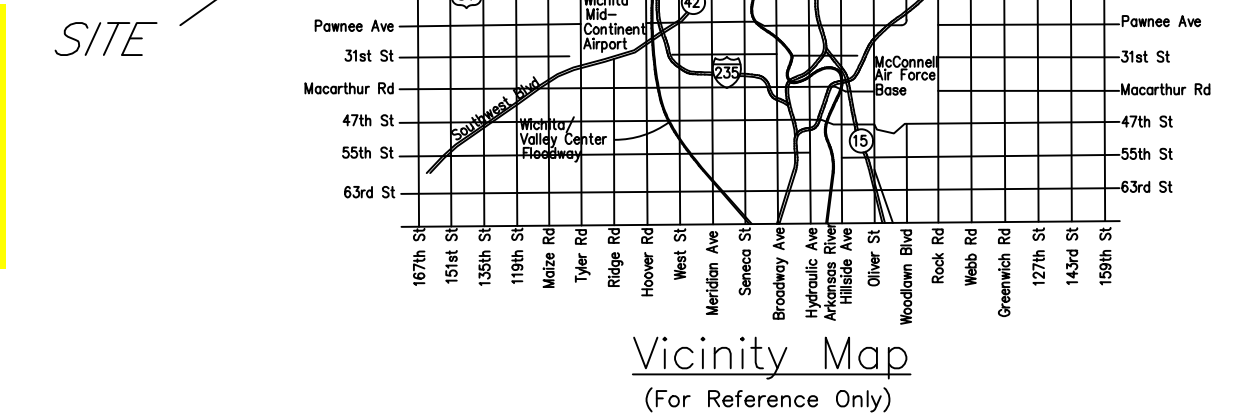
SANITARY SEWER TO SERVE

Sawmill Creek Addition (Phase 2)

CITY OF WICHITA, KANSAS

Gary Janzen, P.E. City Engineer
 Project Number: 468-2021-016665
 Org Code: 47264921
 Munis Number: E1100

As-built
 Stubs & Risers
 Release Date (for connection purposes only): 11/8/2022
 Completion Date:
 : apr 11/10/2022



INDEX OF SHEETS:

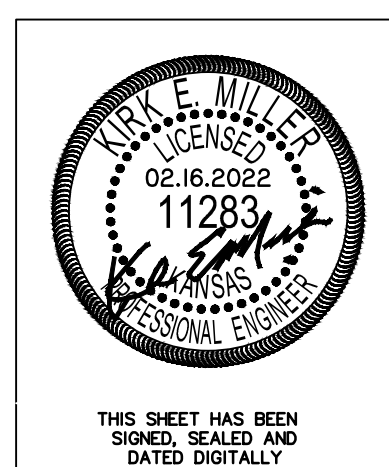
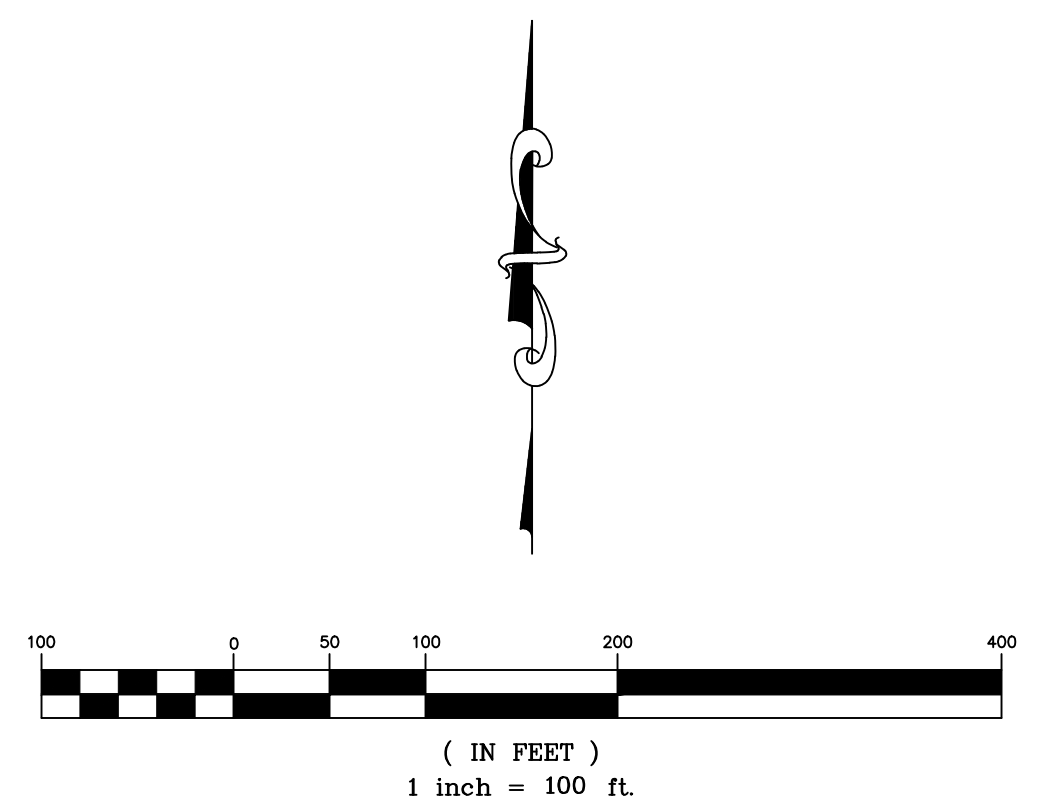
- 1.0 Cover Sheet
- 2.0 Control Map
- 3.0-3.1 Plan & Profiles - Line 1
- 4.0-4.3 Plan & Profile - Line 2
- 5.0-5.3 Plan & Profiles - Line 3
- 5.4 Plan & Profiles - Lines 3 & 5
- 6.0 Plan & Profiles - Line 4
- 7.0-7.1 Standard Manhole Details
- 7.2 Vertical Riser Ass'y Detail
- 8.0 Erosion Control Plan
- 8.1-8.5 Erosion Control Details
- 9.0 Plat

Benefit Area

BENCHMARKS:

BM 1: AT&T Disc, Approx. 3' East & 2' South of the NE Corner of Lot 11, Block 7, Sawmill Creek Addition Elevation = 1384.91 (NAVD 88)

BM 2: Chiseled "□" on Curb Inlet, Approx. 26' North & 202' West of the SW Corner of Lot 17, Block 7, Sawmill Creek Addition Elevation = 1388.25 (NAVD 88)



Developer: Thayer (T.J.) Geith
 Elite USA Construction, LLC
 9235 E Harry St, Bldg 100, Wichita, KS
 316-806-6060

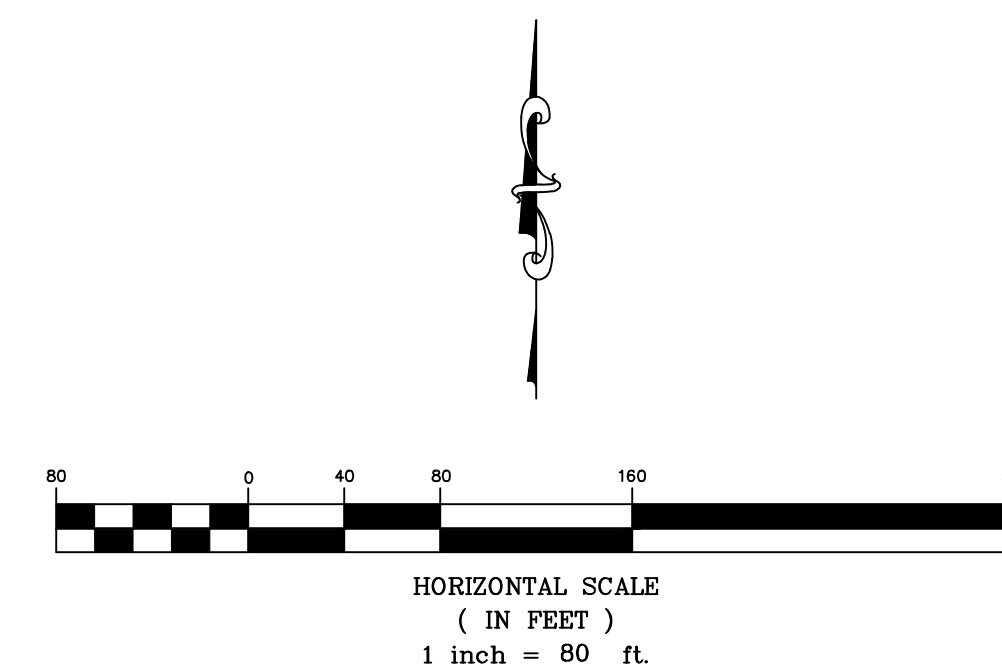
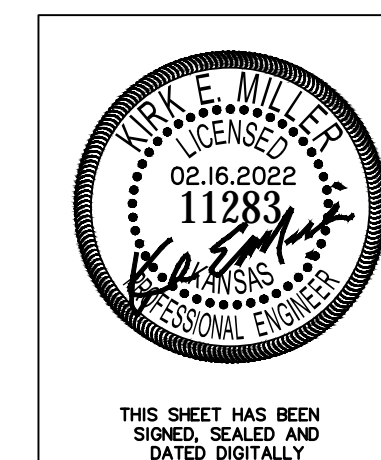
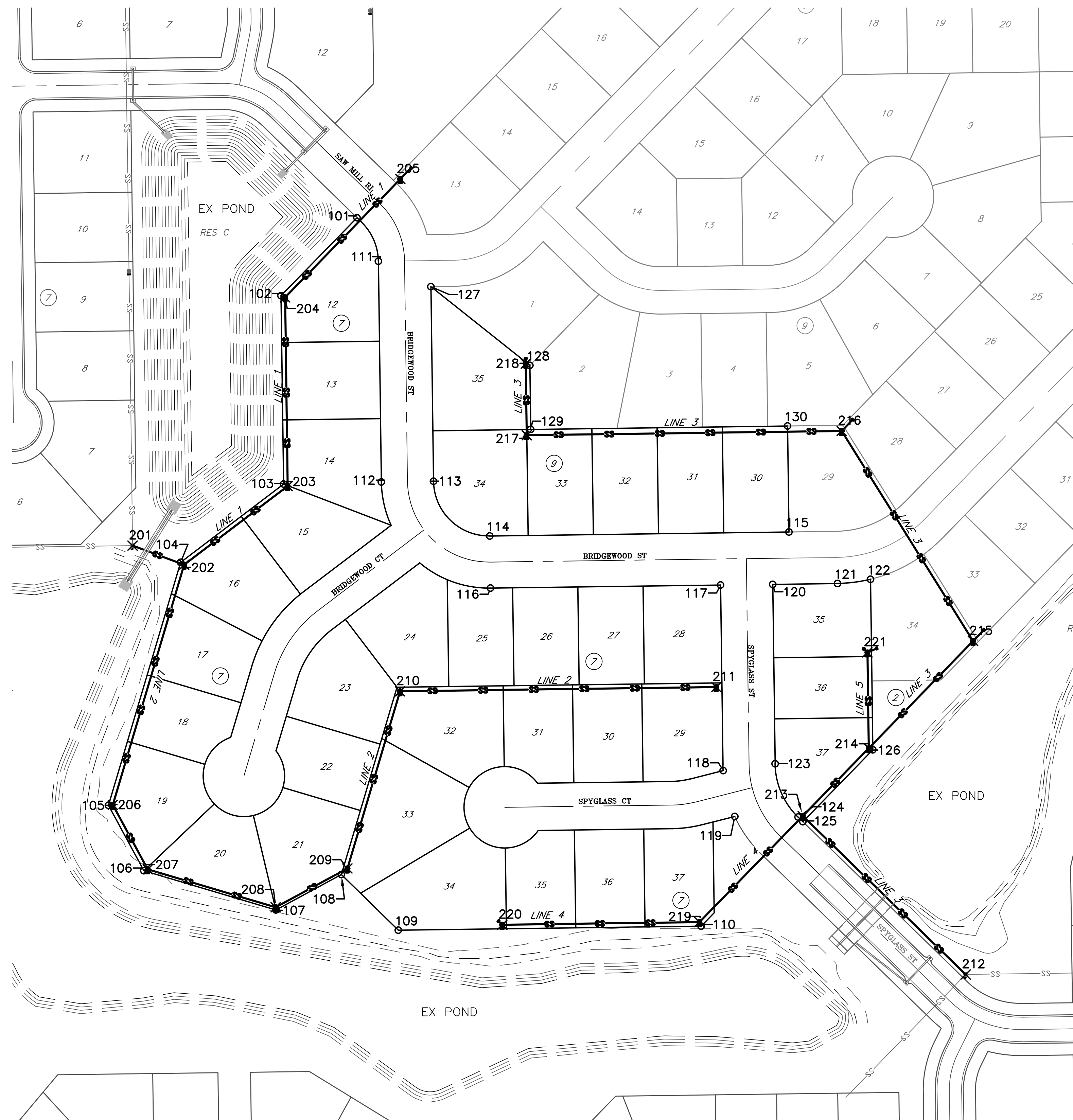
FEBRUARY 2022

KEMILLER
 ENGINEERING PA
 117 E. Lewis, Wichita, KS 67202 (316)264-0242

Control Points		
Point #	Northing	Easting
101	1717548.31	1676278.76
109	1716674.34	1676329.37
102	1717452.63	1676185.61
103	1717221.58	1676188.70
104	1717125.65	1676062.47
105	1716827.56	1675973.89
106	1716747.36	1676017.34
107	1716699.22	1676179.33
108	1716742.68	1676259.54
110	1716679.31	1676700.74
111	1717494.92	1676305.04
112	1717224.15	1676308.67
113	1717225.01	1676372.66
114	1717157.92	1676441.57
115	1717162.84	1676808.54

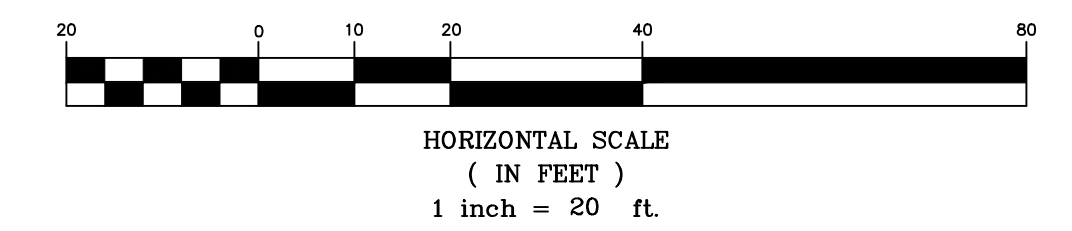
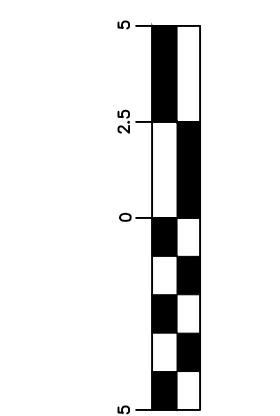
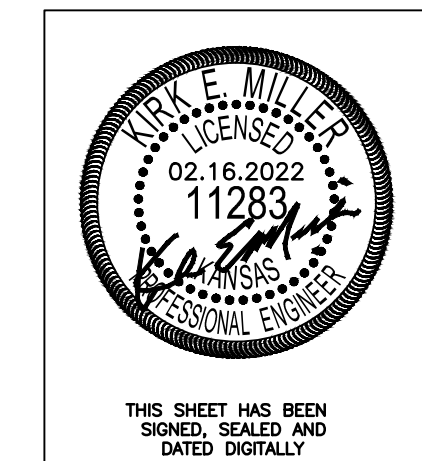
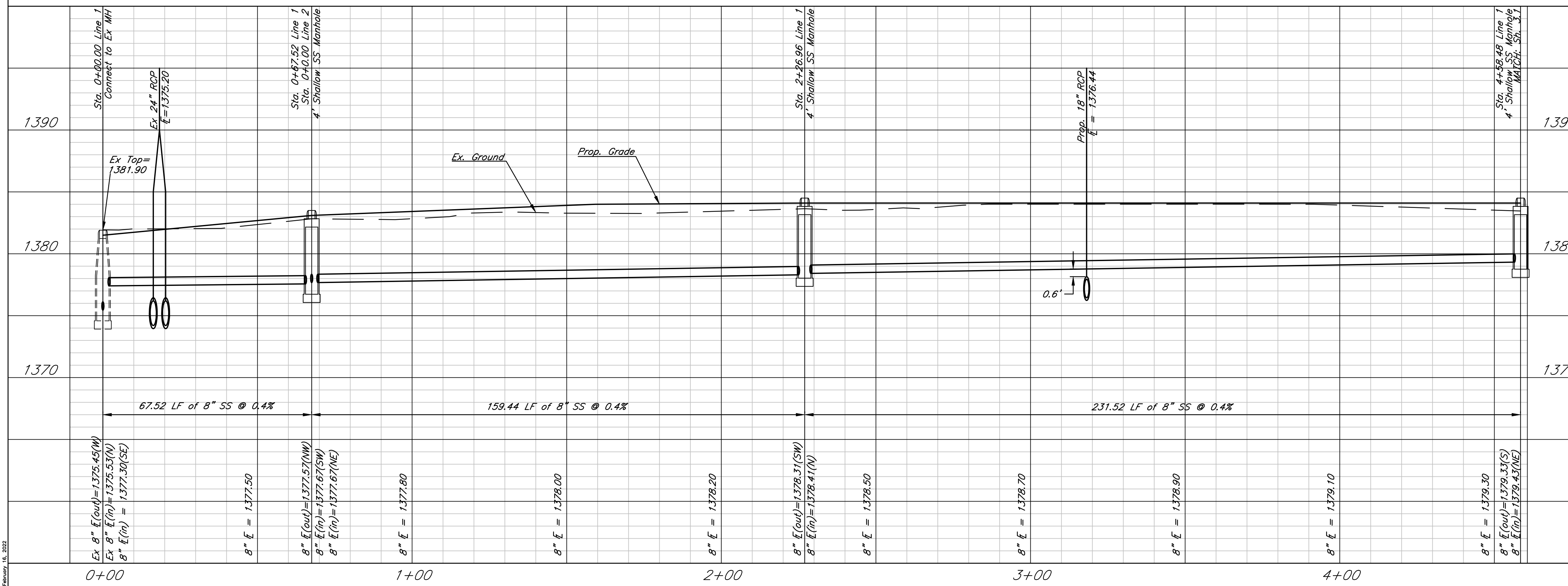
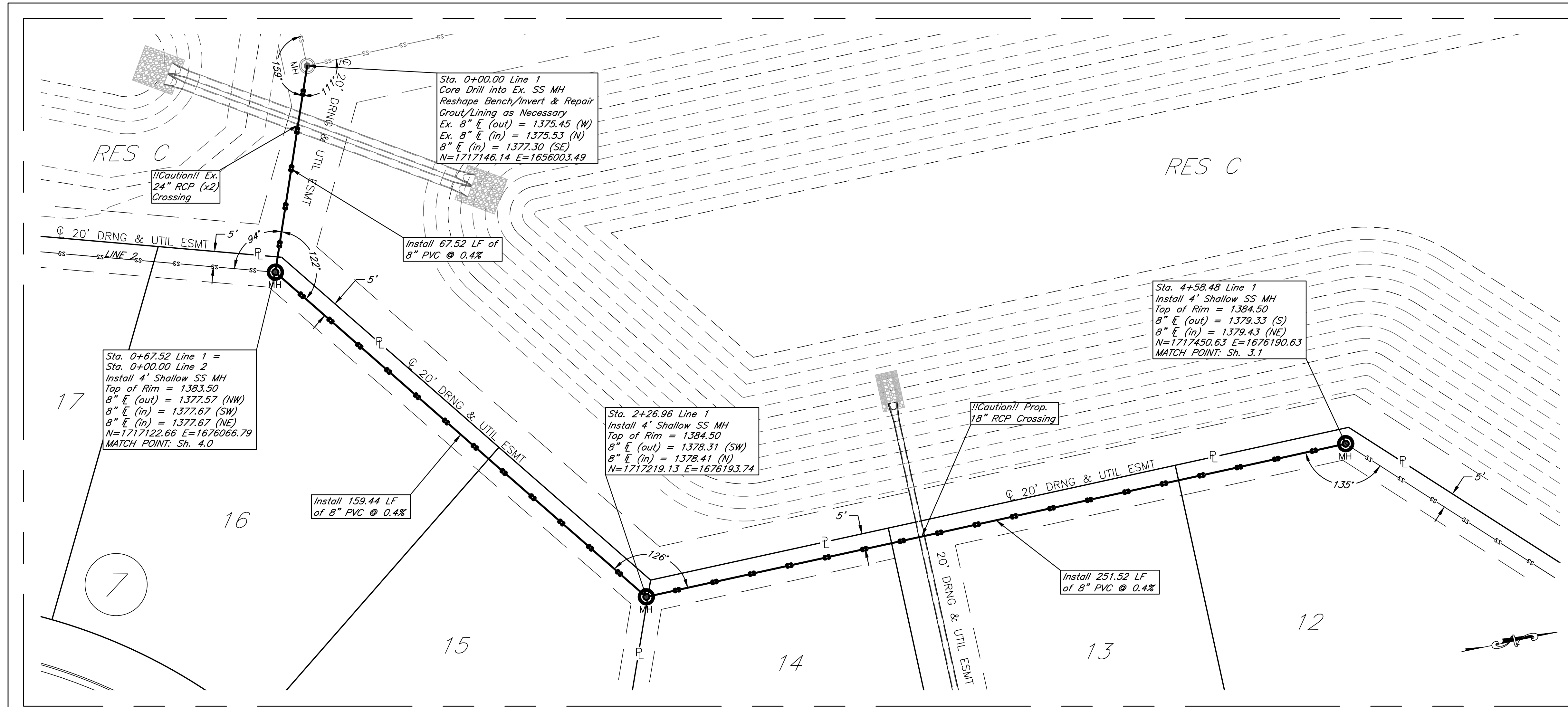
Control Points		
Point #	Northing	Easting
116	1717093.93	1676442.43
117	1717097.71	1676724.59
118	1716870.07	1676727.82
119	1716813.84	1676742.04
120	1717098.57	1676788.59
121	1717099.63	1676868.07
122	1717104.74	1676908.52
123	1716878.52	1676791.53
124	1716813.13	1676819.65
125	1716807.44	1676825.49
126	1716895.60	1676911.32
127	1717463.79	1676369.47
128	1717367.25	1676490.77
129	1717288.60	1676491.82
130	1717292.83	1676806.80

MH Control Points			
Point #	Northing	Easting	Description
201	1717146.14	1676003.49	0+00 SS1
202	1717122.66	1676066.79	0+67.52 SS1
203	1717219.13	1676193.74	2+26.96 SS1
204	1717450.63	1676190.63	4+58.48 SS1
205	1717595.70	1676331.87	6+60.95 SS1
206	1716828.12	1675979.27	3+07.26 SS2
207	1716749.08	1676022.10	3+97.17 SS2
208	1716702.45	1676179.00	5+60.85 SS2
209	1716750.12	1676266.96	6+60.90 SS2
210	1716967.43	1676331.54	8+87.61 SS2
211	1716972.63	1676719.27	12+75.37 SS2
212	1716620.07	1677025.12	0+00 SS3
213	1716814.51	1676825.39	2+78.75 SS3
214	1716897.60	1676906.29	3+94.72 SS3
215	1717029.06	1677034.27	5+78.19 SS3
216	1717286.72	1676873.13	8+82.09 SS3
217	1717281.54	1676486.92	12+68.34 SS3
218	1717369.25	1676485.74	13+56.06 SS3
219	1716684.29	1676698.60	1+81.76 SS4
220	1716681.05	1676456.89	4+23.49 SS4
221	1717015.11	1676904.71	1+17.52 SS5



Sawmill Creek Addition (Phase 2)
Control Map
 Wichita, Kansas

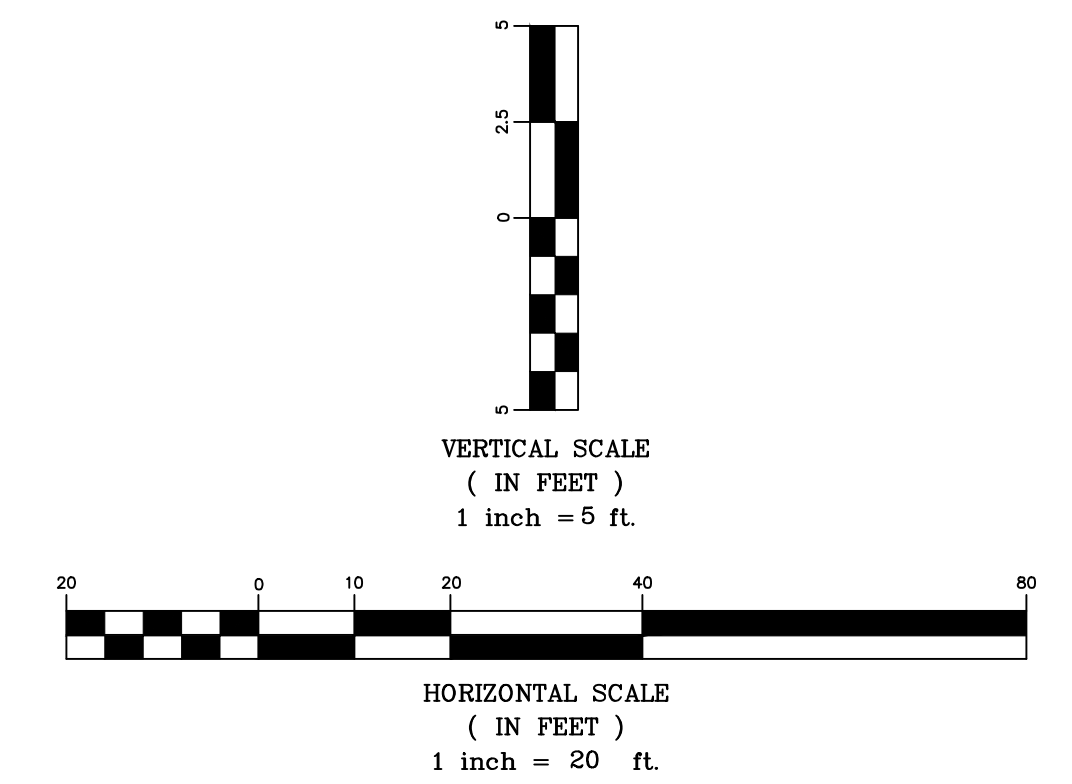
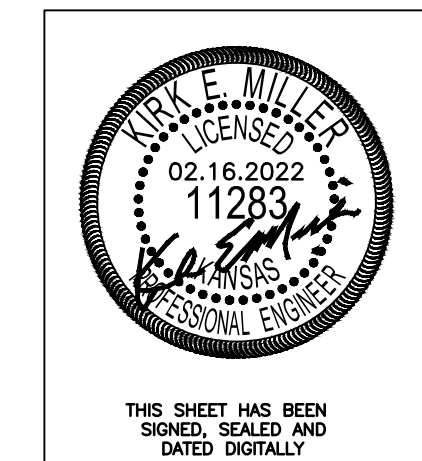
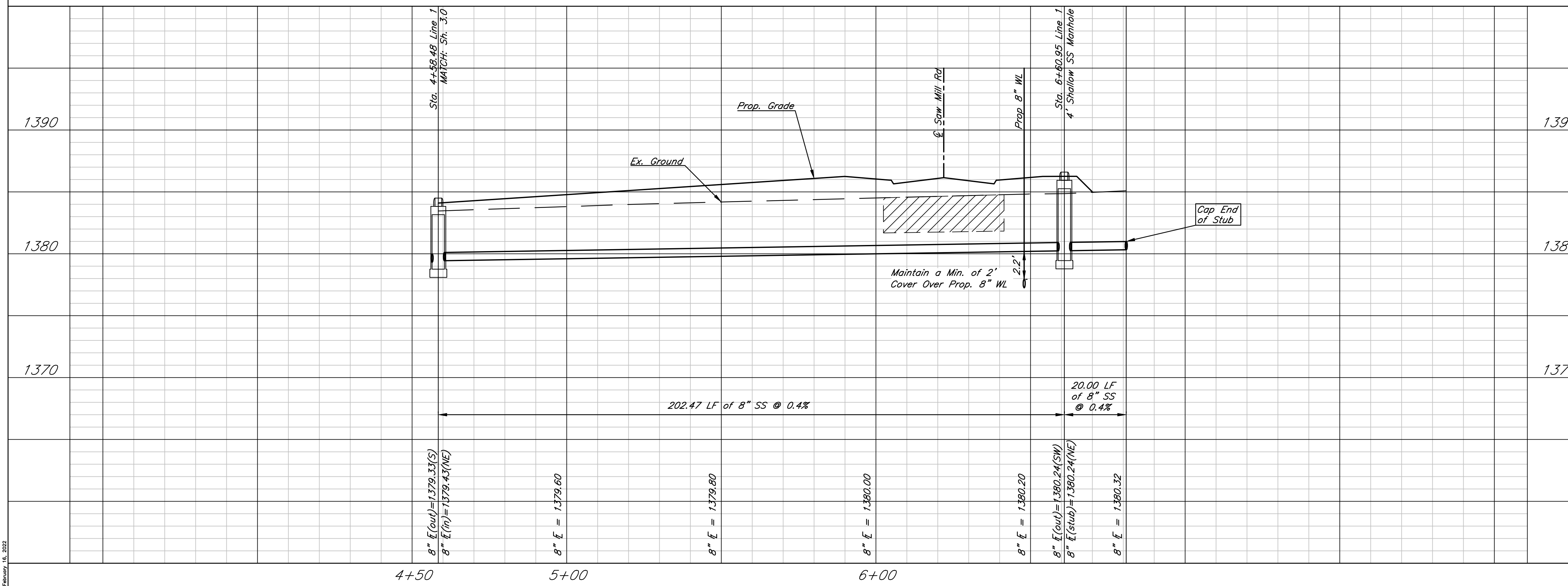
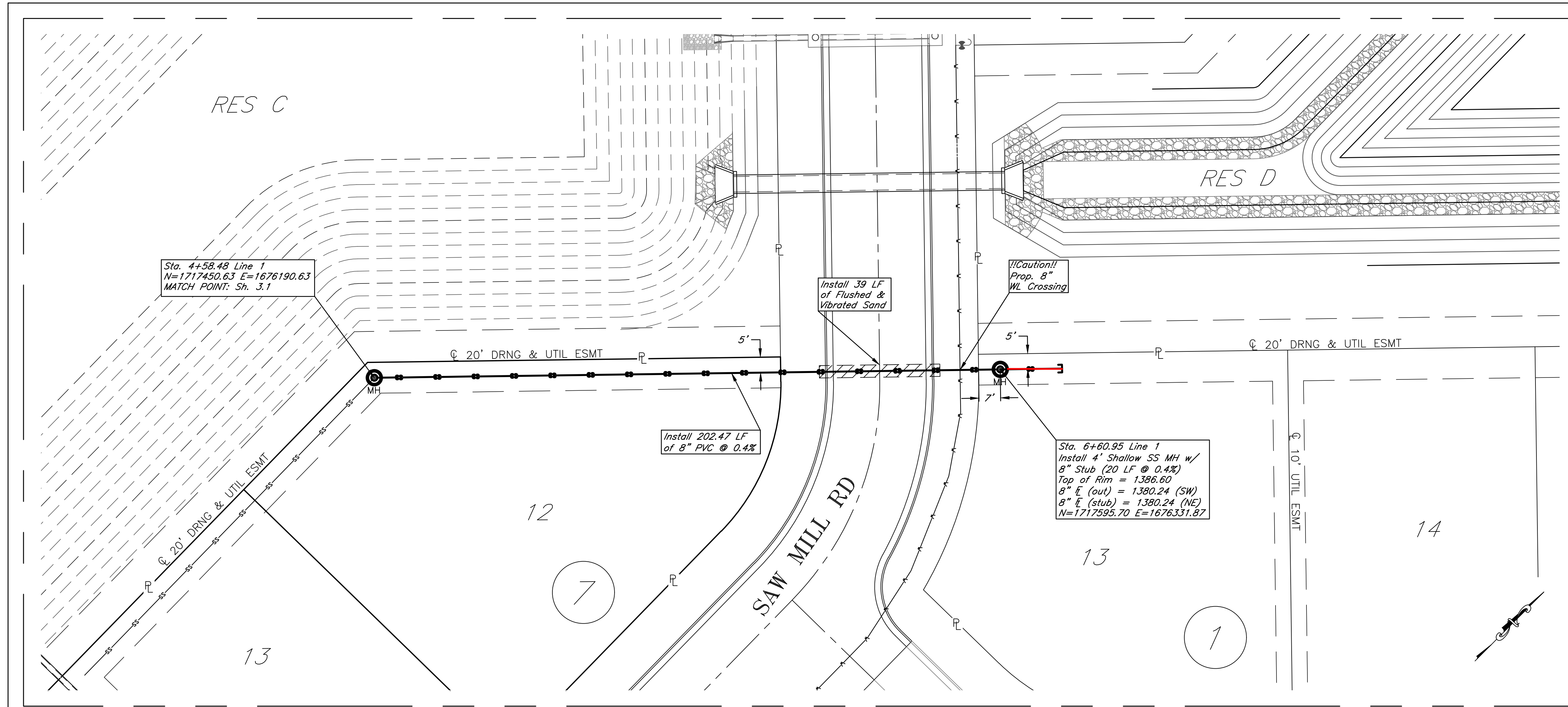
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	KEM NO. 18046	FILE	DATE 02/2022	
DESIGN KM	DRAWN ZS	REVISED		



Sawmill Creek Addition (Phase 2)
SS Plan & Profile - Line 1
 Wichita, Kansas

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DESIGN KM	DRAWN ZS	REVISED		

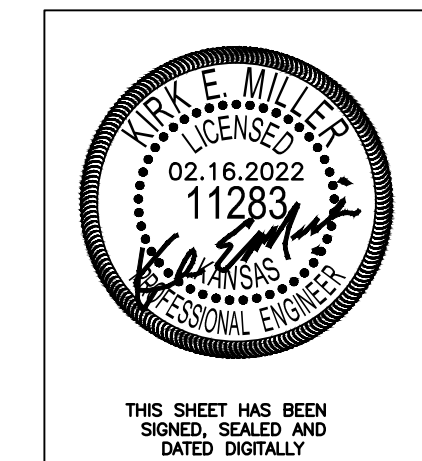
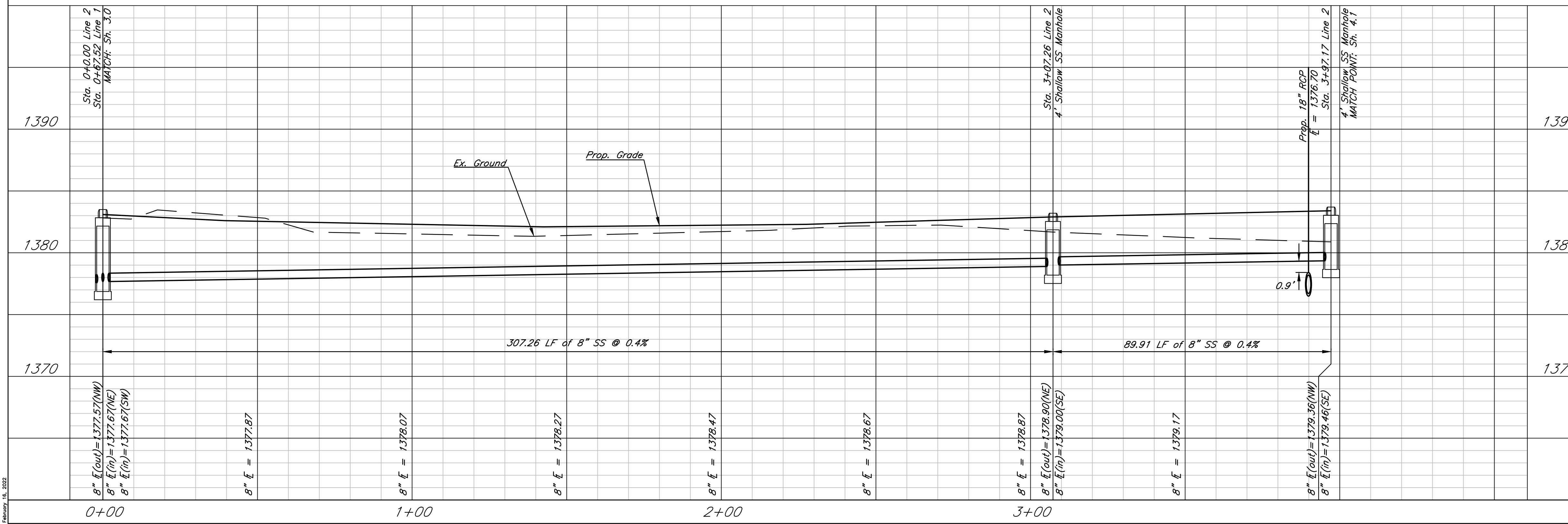
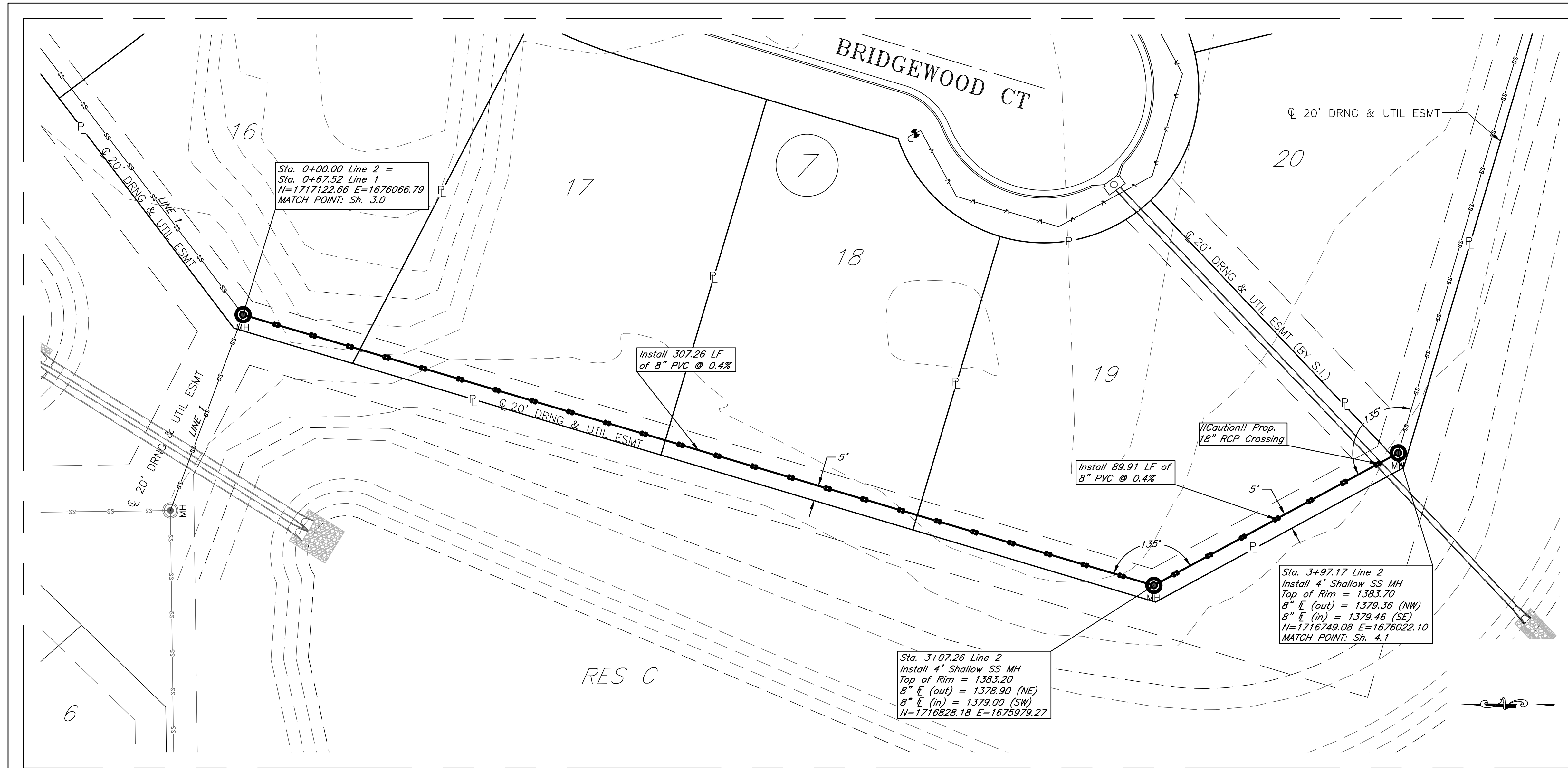
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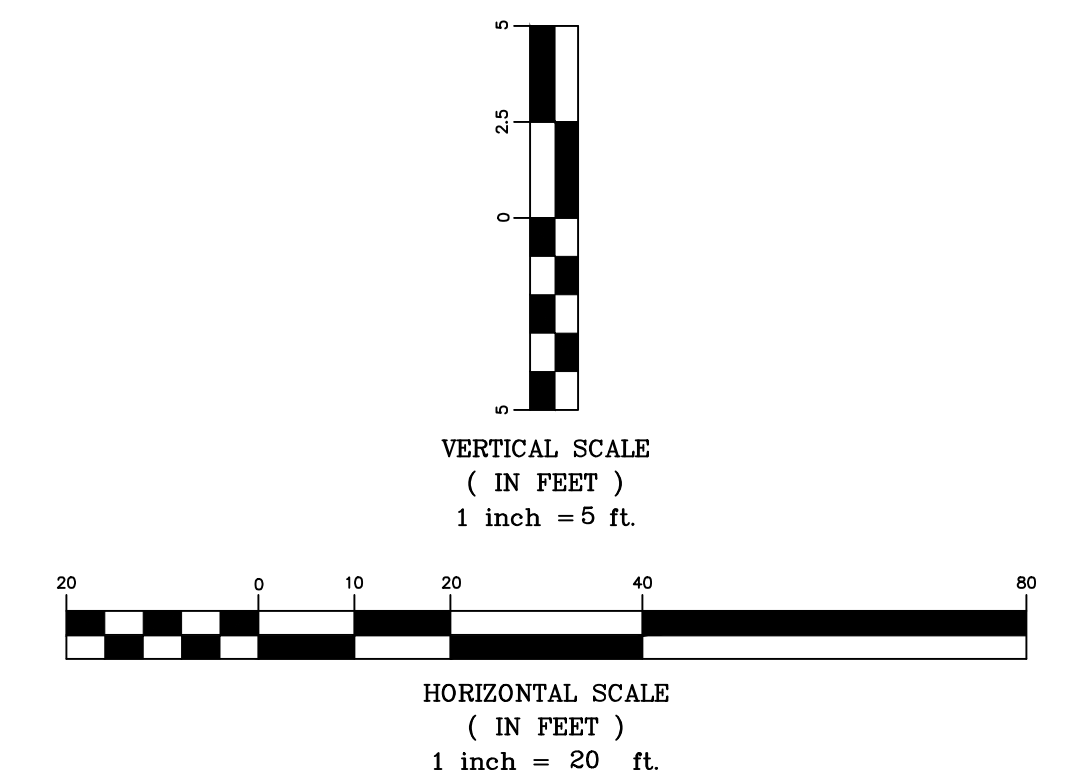
Sawmill Creek Addition (Phase 2)
SS Plan & Profile - Line 1
Wichita, Kansas

 117 E. Lewis, Wichita, KS 67202 (316)264-0242	PROJECT NUMBER			SHEET 3.1
	KEM NO. 18046	FILE	DATE 02/2022	
DESIGN KM	DRAWN ZS	REVISED		

February 15, 2022



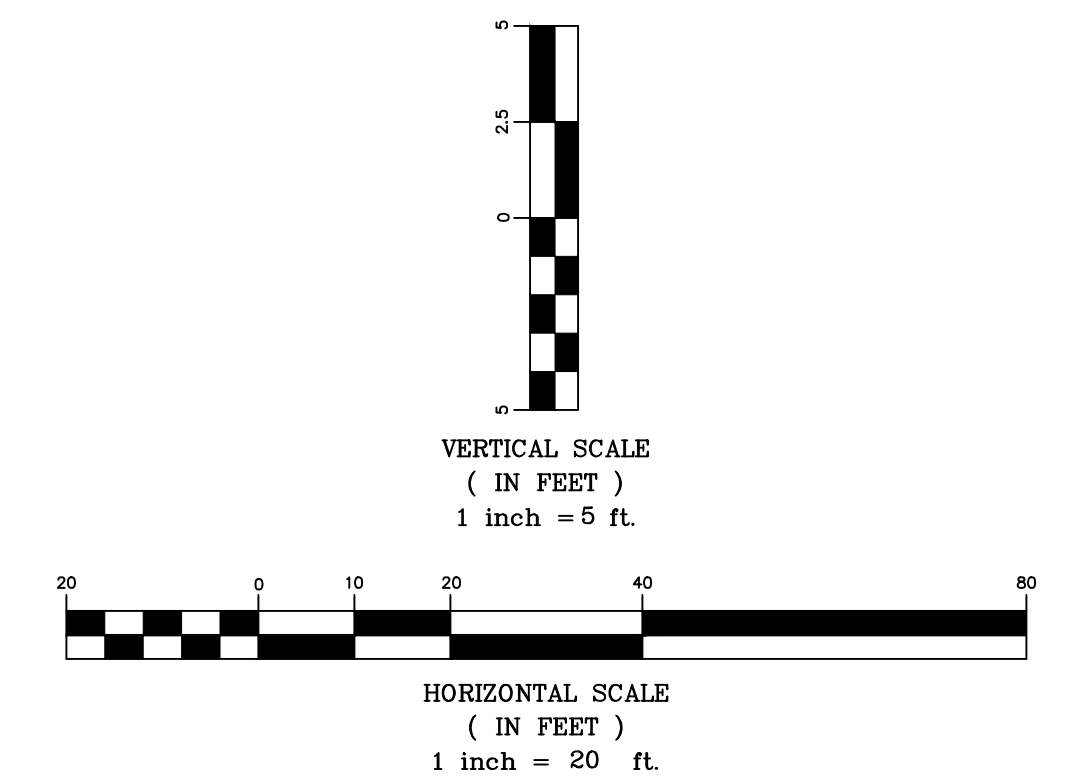
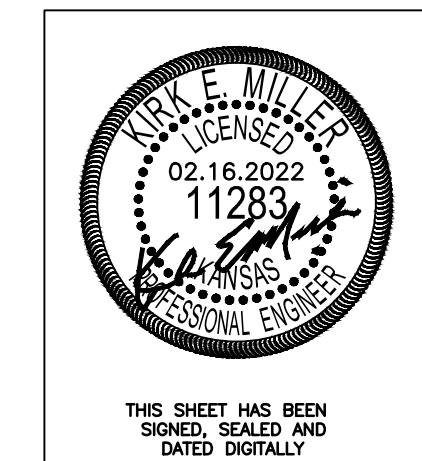
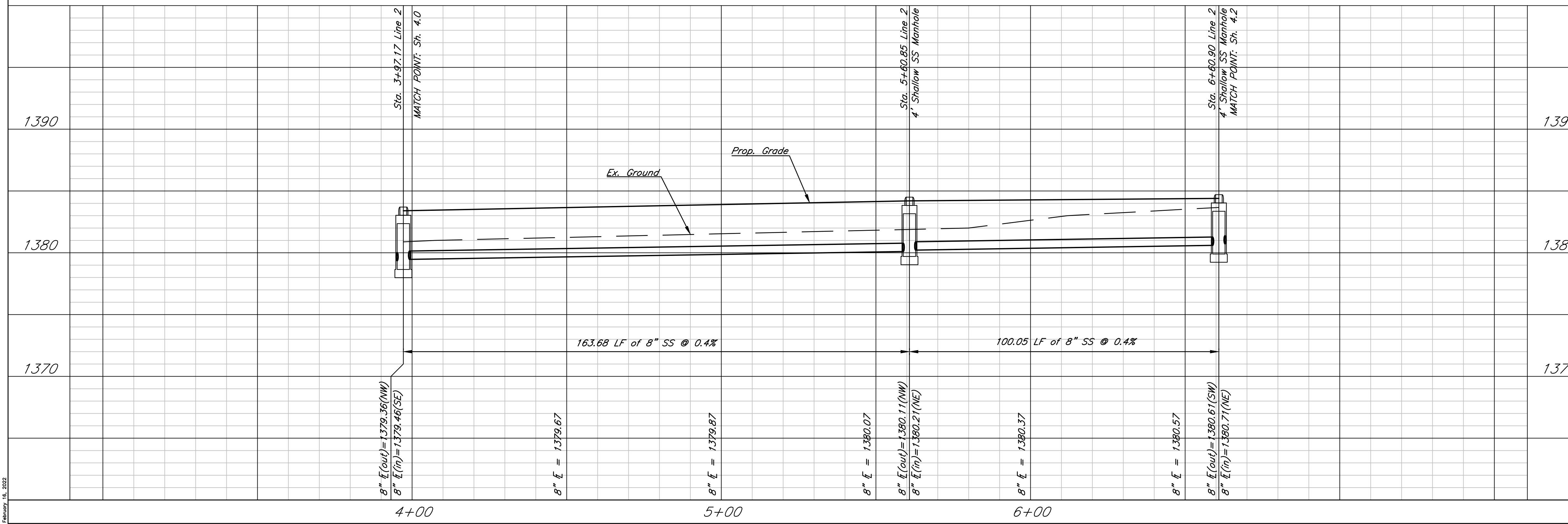
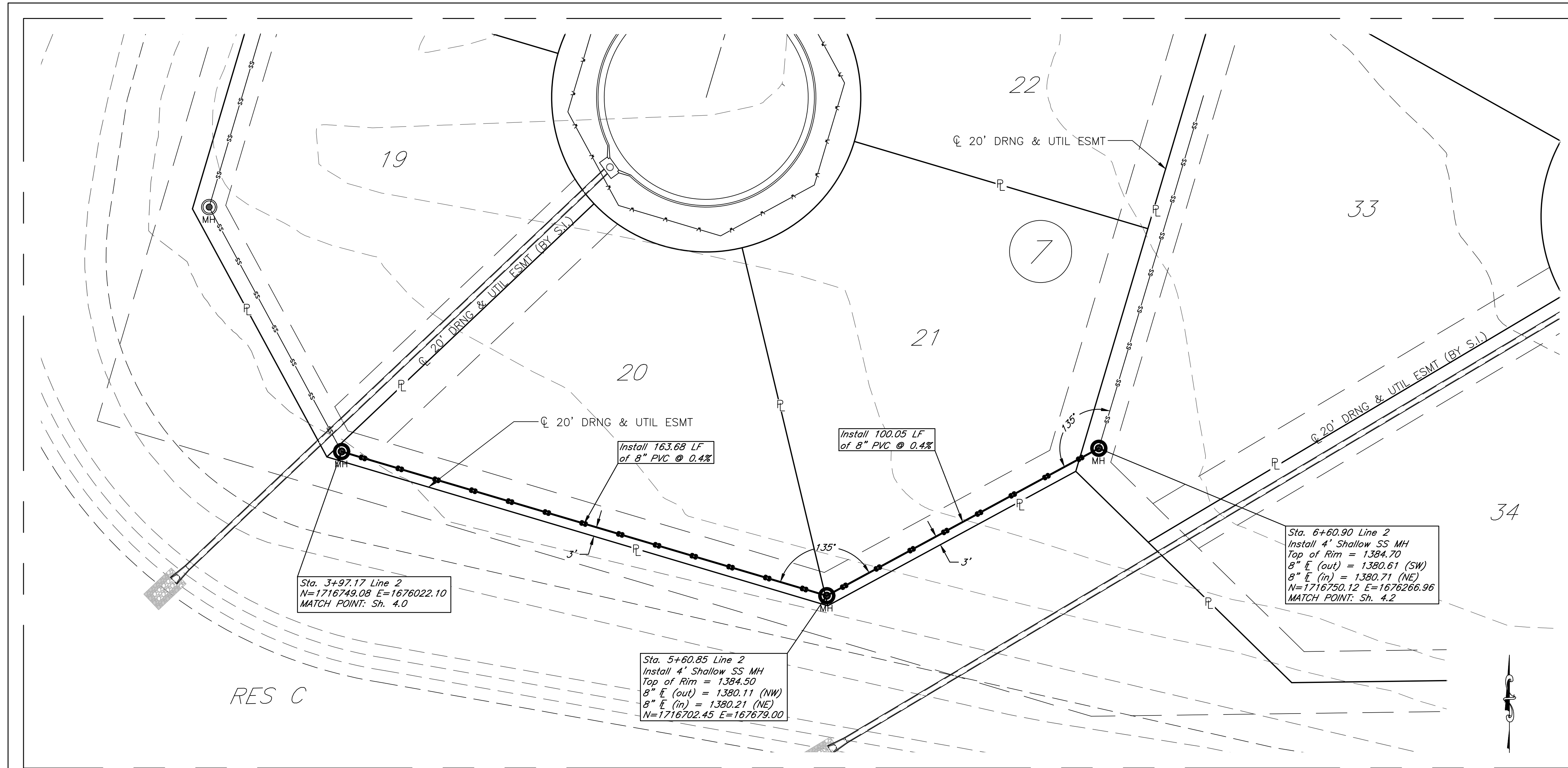
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Sawmill Creek Addition (Phase 2)
SS Plan & Profile - Line 2
 Wichita, Kansas

 117 E. Lewis, Wichita, KS 67202 (316)264-0242	PROJECT NUMBER			SHEET 4.0
	KEM NO. 18046	FILE	DATE 02/2022	
DESIGN KM	DRAWN ZS	REVISED		

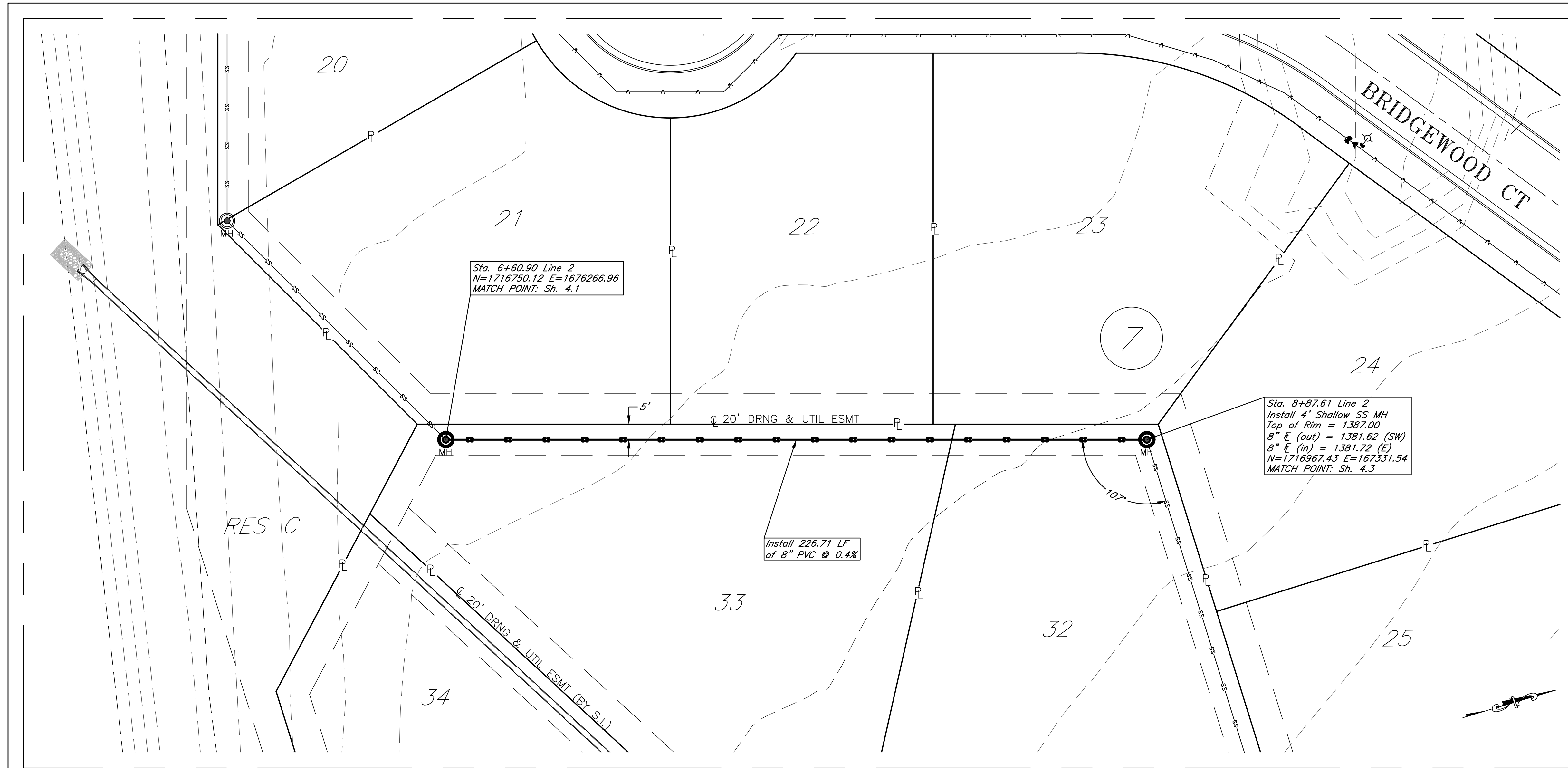
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Sawmill Creek Addition (Phase 2)
SS Plan & Profile - Line 2
 Wichita, Kansas

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117 E. Lewis, Wichita, KS 67202 (316)264-0242	DESIGN KM	DRAWN ZS	REVISED	

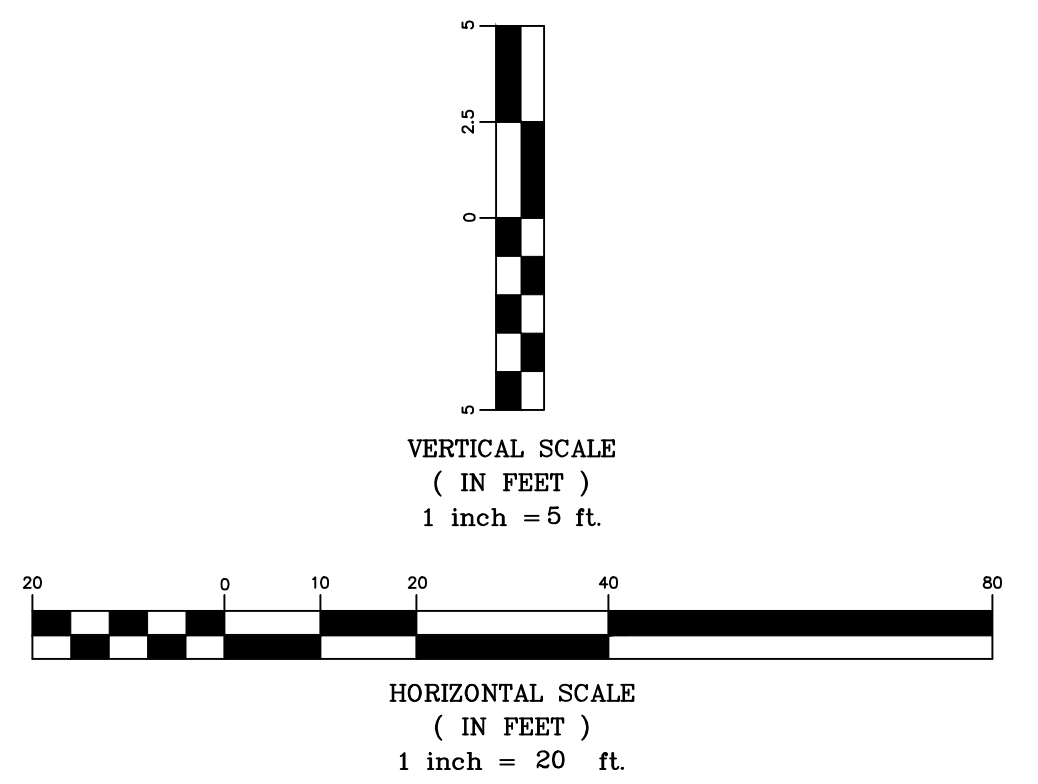
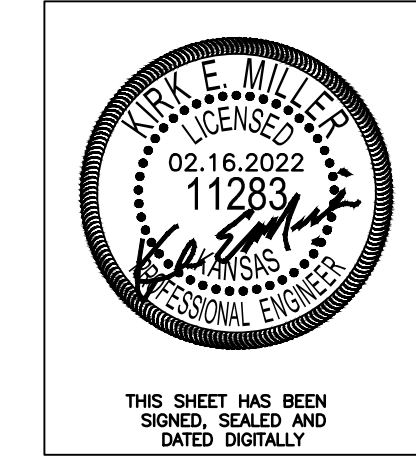
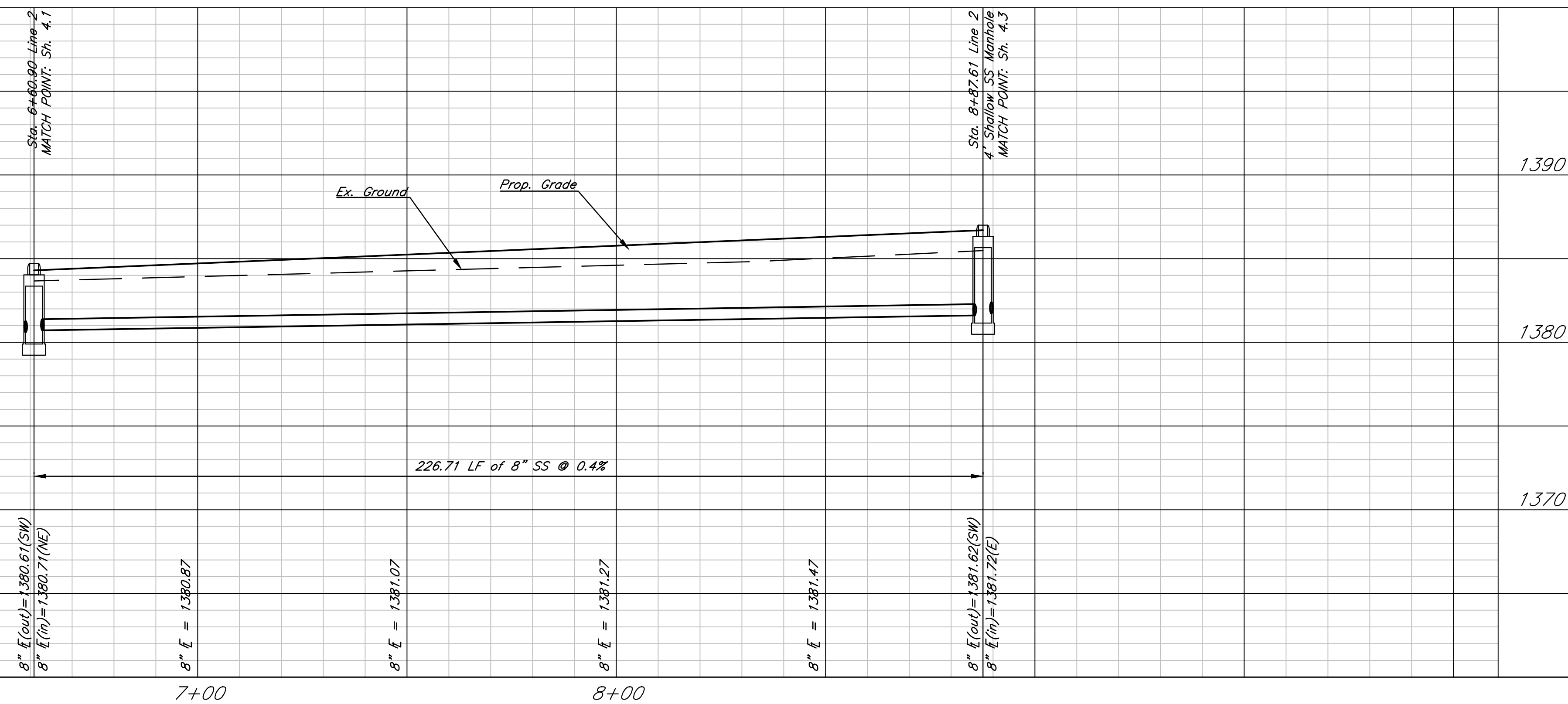
February 15, 2022



Sta. 6+60.90 Line 2
 N=1716750.12 E=1676266.96
 MATCH POINT: Sh. 4.1

Sta. 8+87.61 Line 2
 Install 4' Shallow SS MH
 Top of Rim = 1387.00
 8" E (out) = 1381.62 (SW)
 8" E (in) = 1381.72 (E)
 N=1716967.43 E=167331.54
 MATCH POINT: Sh. 4.3

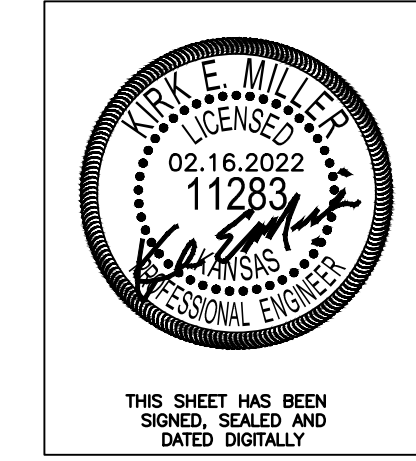
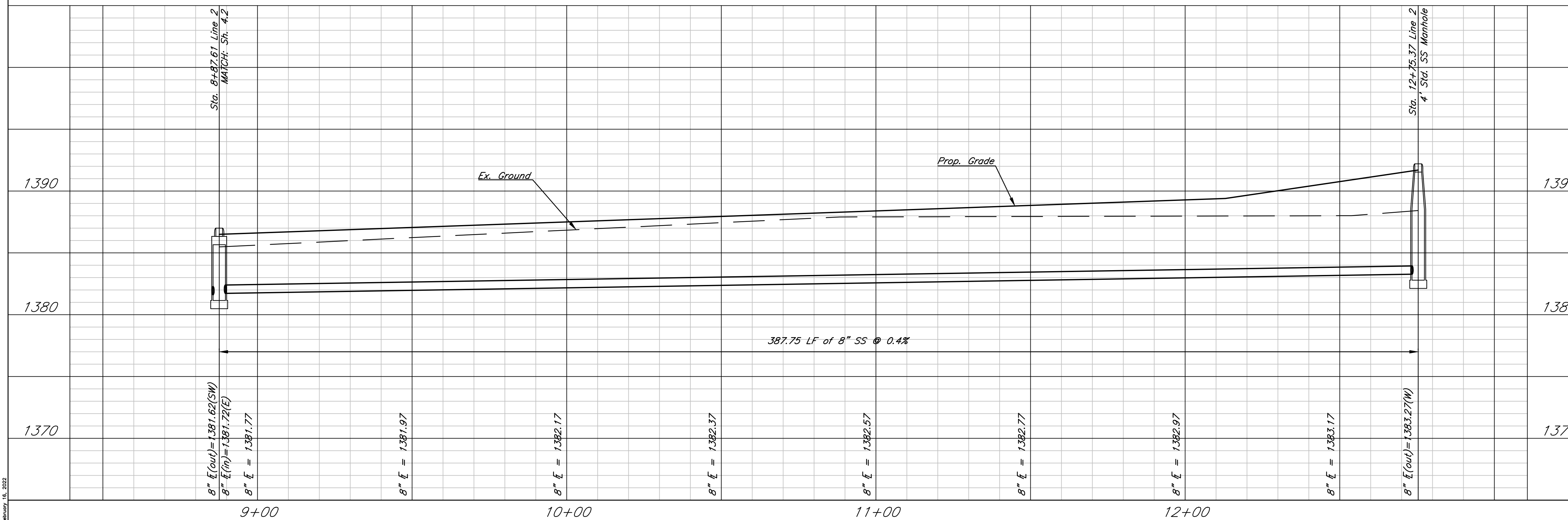
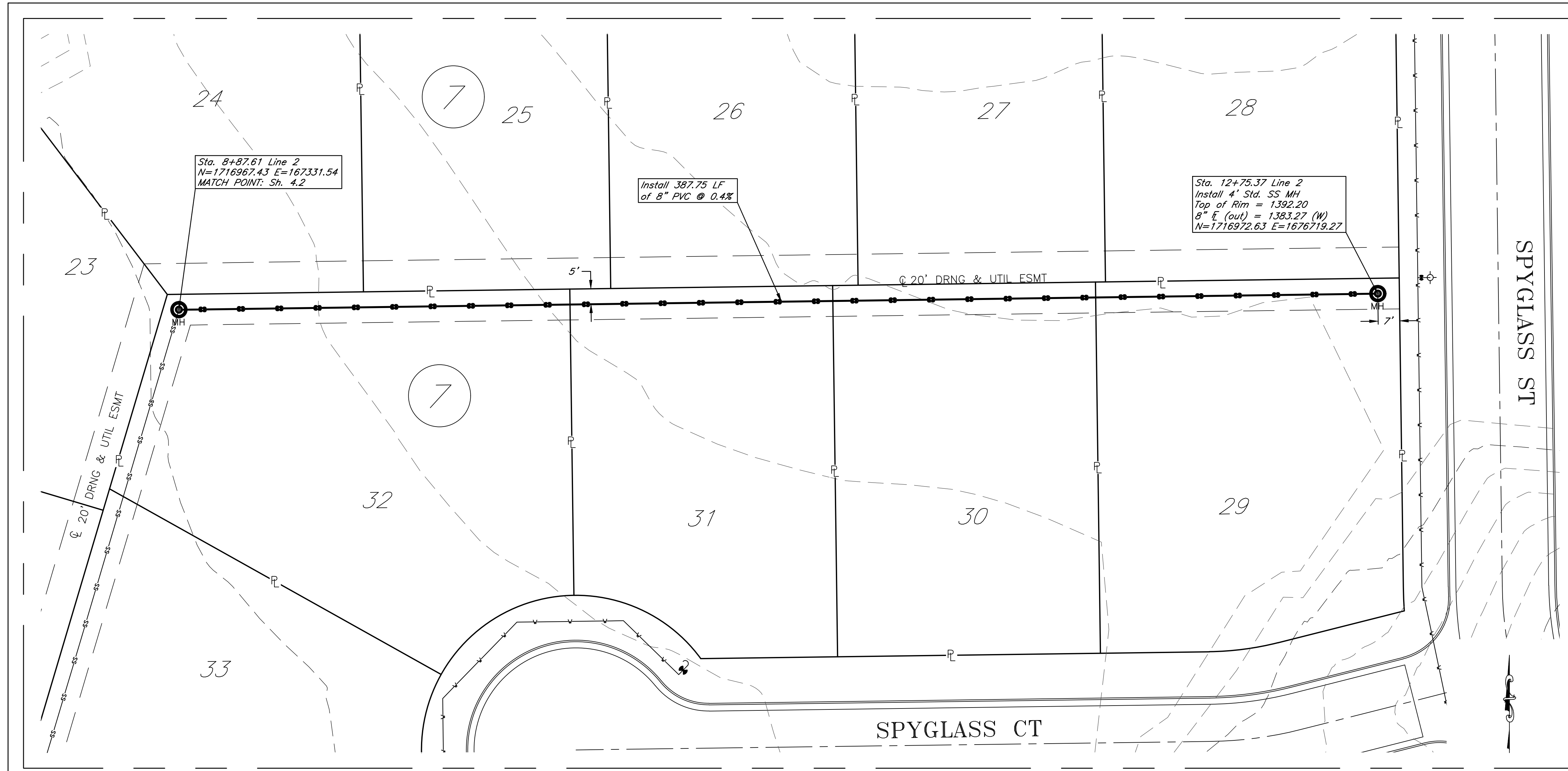
Install 226.71 LF
 of 8" PVC @ 0.4%



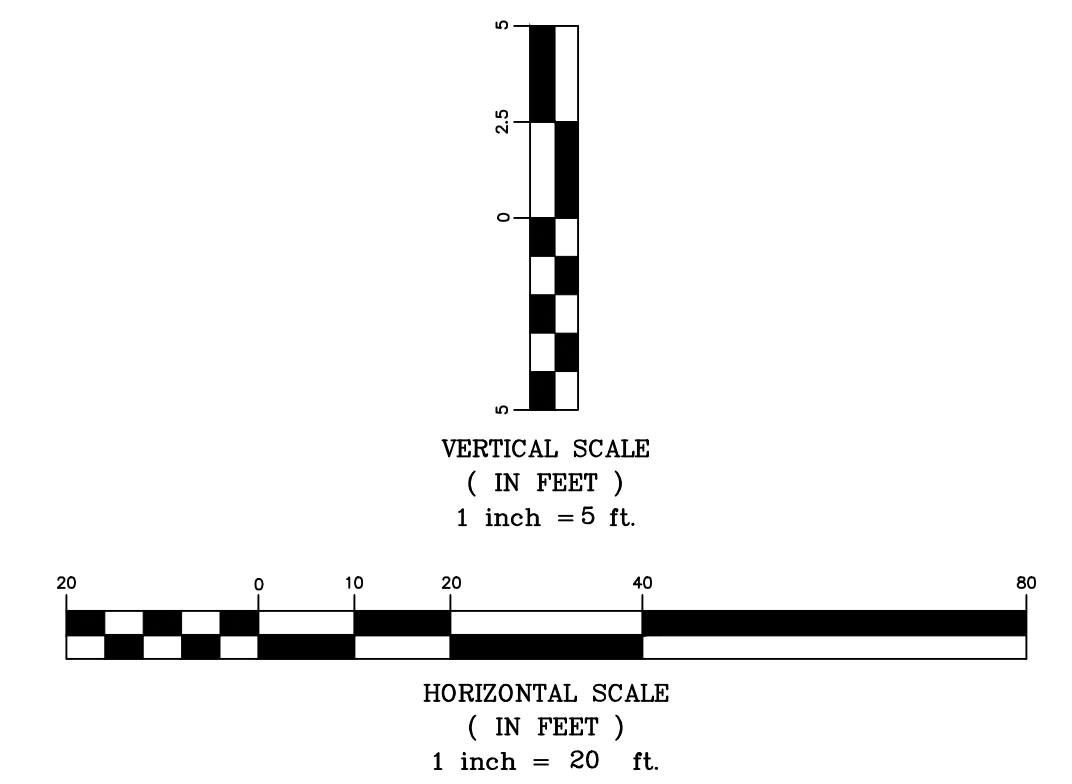
Sawmill Creek Addition (Phase 2)
 SS Plan & Profile - Line 2
 Wichita, Kansas

 117 E. Lewis, Wichita, KS 67202 (316)264-0242	PROJECT NUMBER			SHEET 4.2
	KEM NO. 18046	FILE	DATE 02/2022	
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February 15, 2022



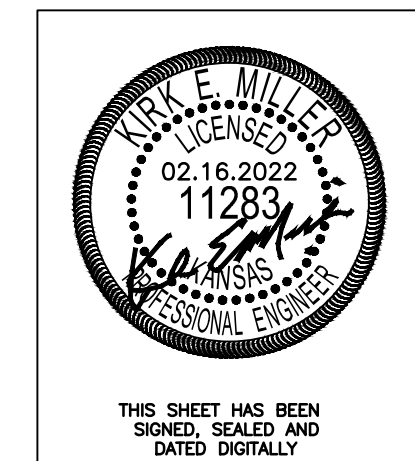
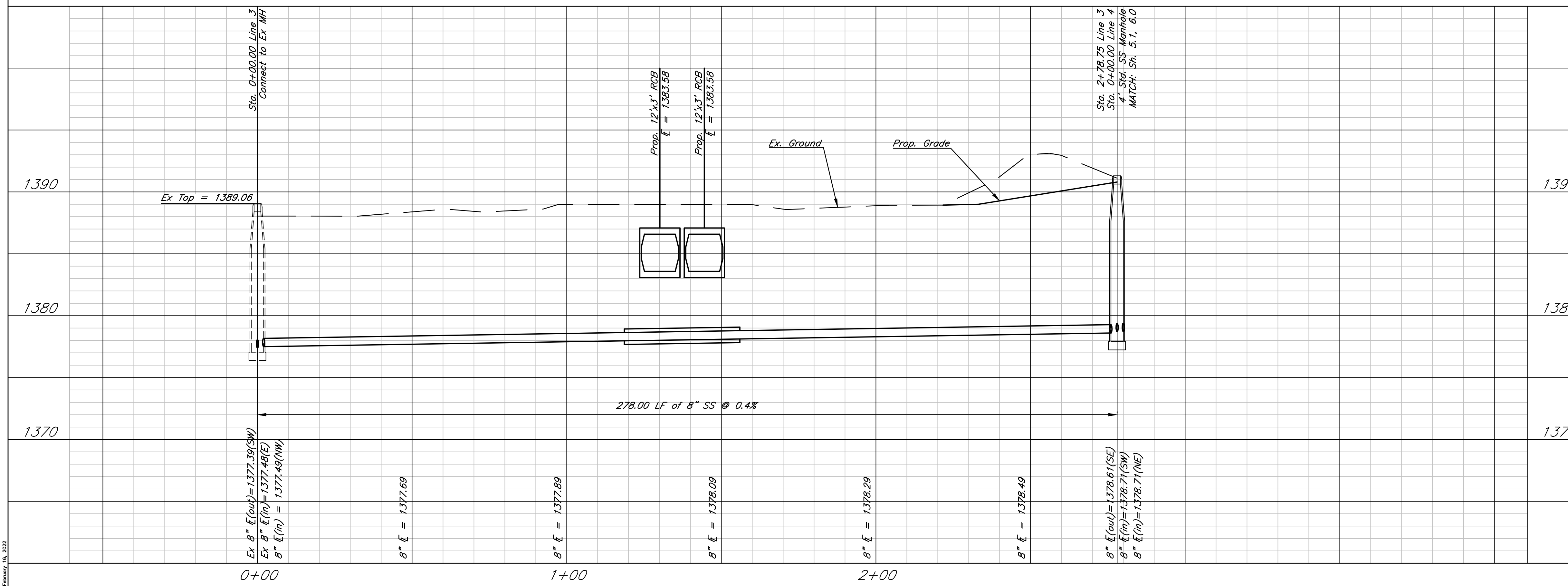
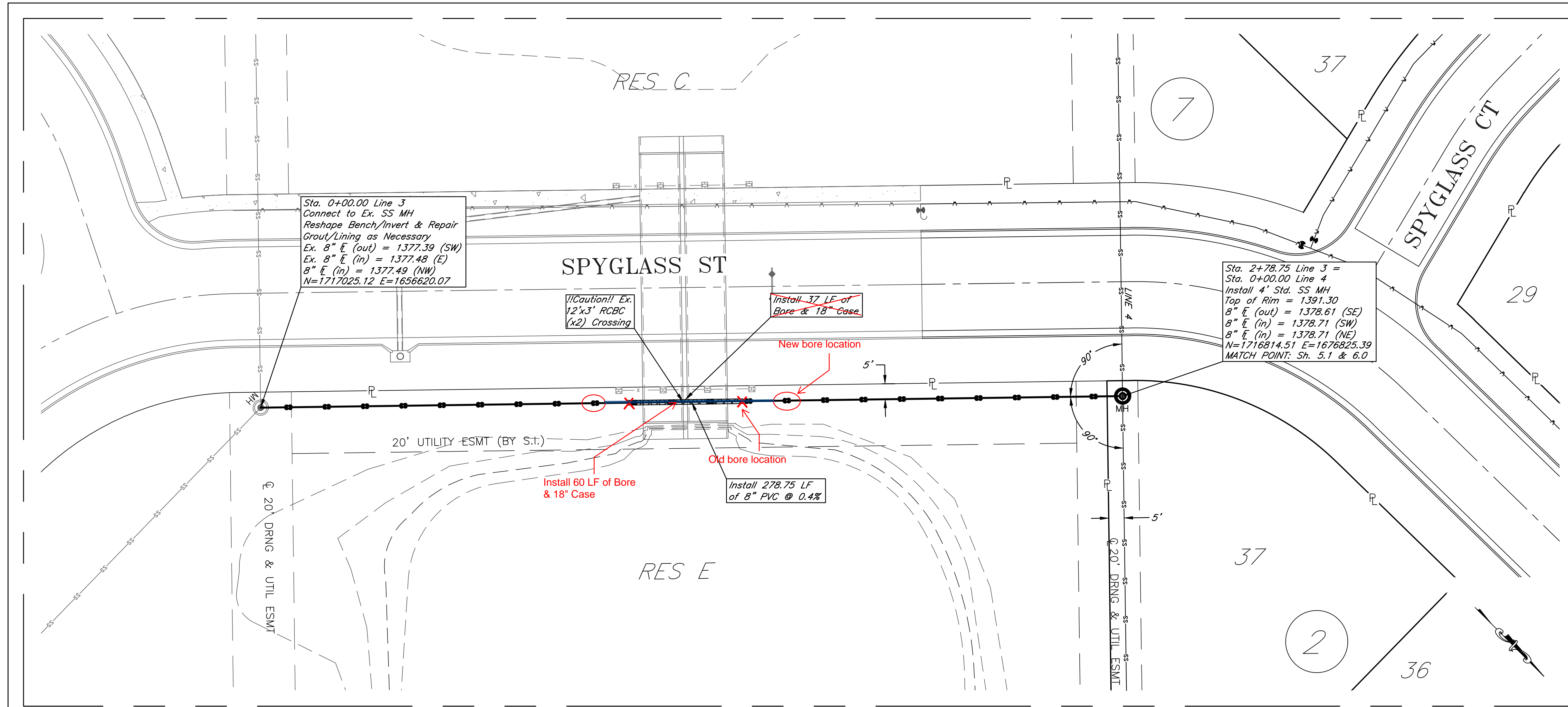
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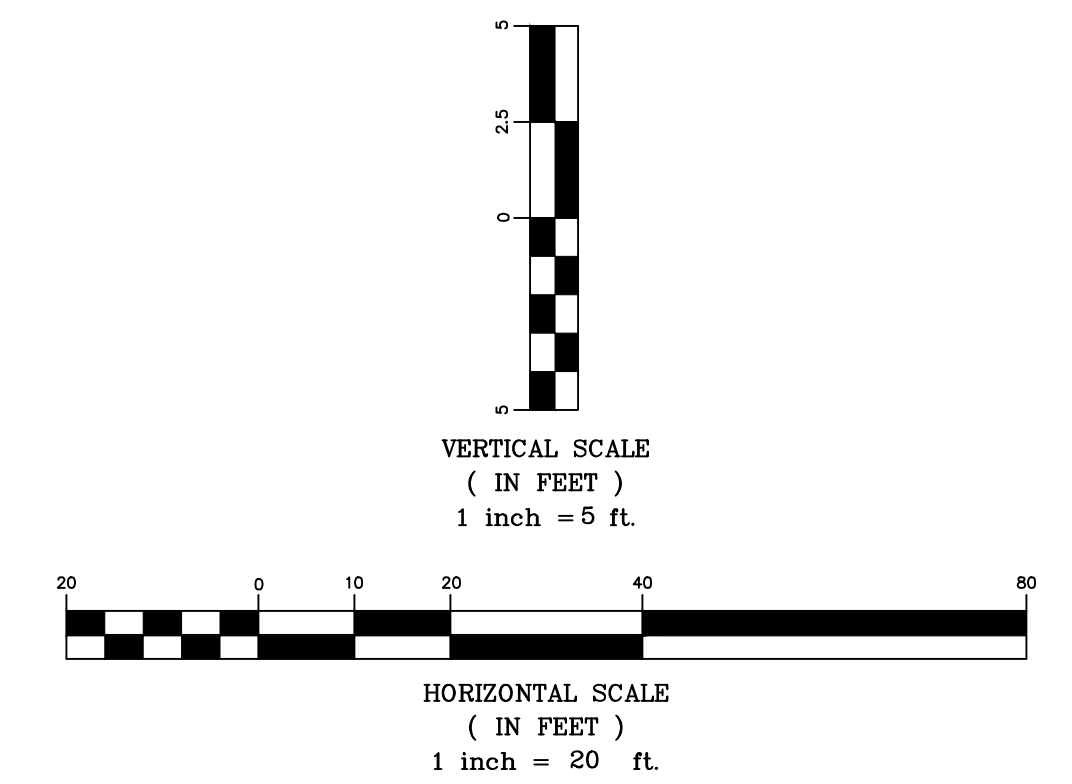
Sawmill Creek Addition (Phase 2)
SS Plan & Profile - Line 2
Wichita, Kansas

 117 E. Lewis, Wichita, KS 67202 (316)264-0242	PROJECT NUMBER			SHEET 4.3
	KEM NO. 18046	FILE	DATE 02/2022	
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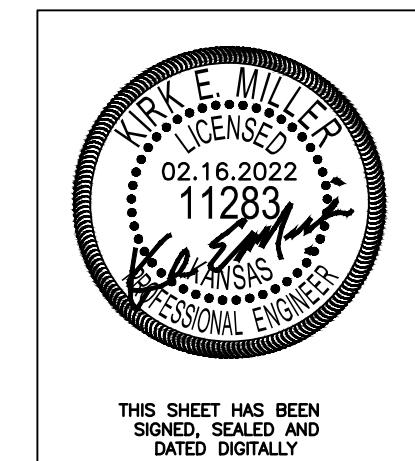
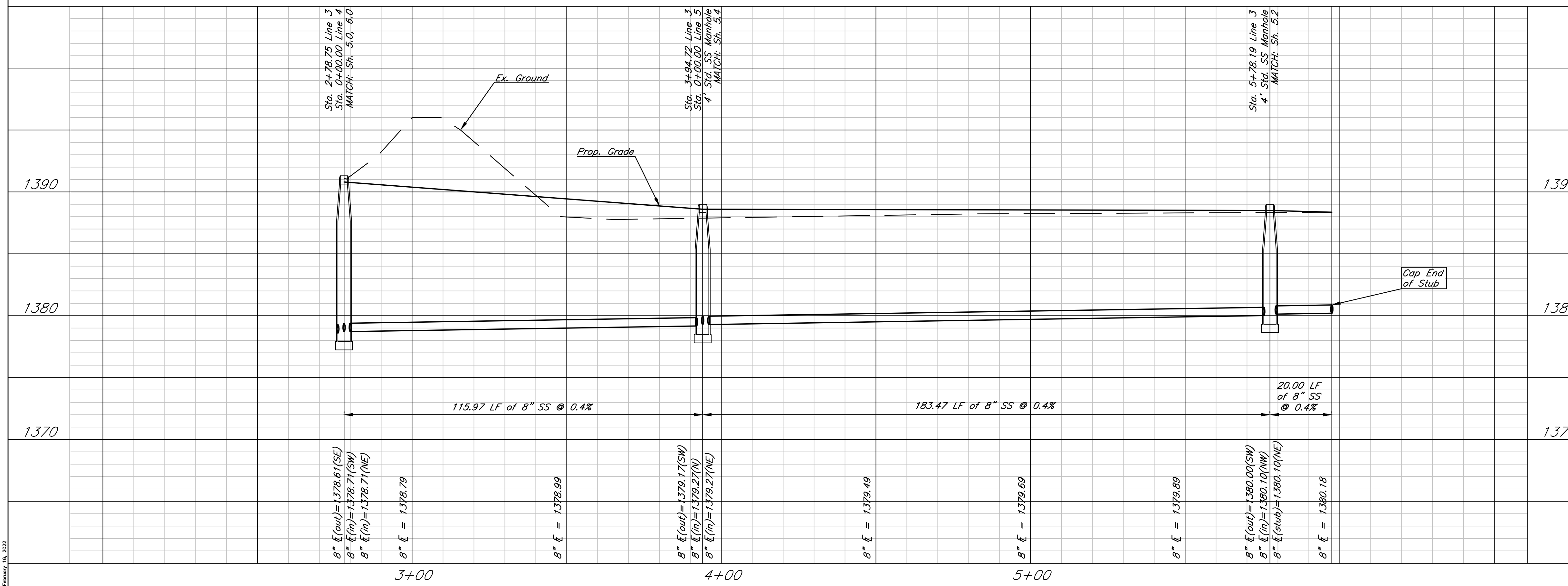
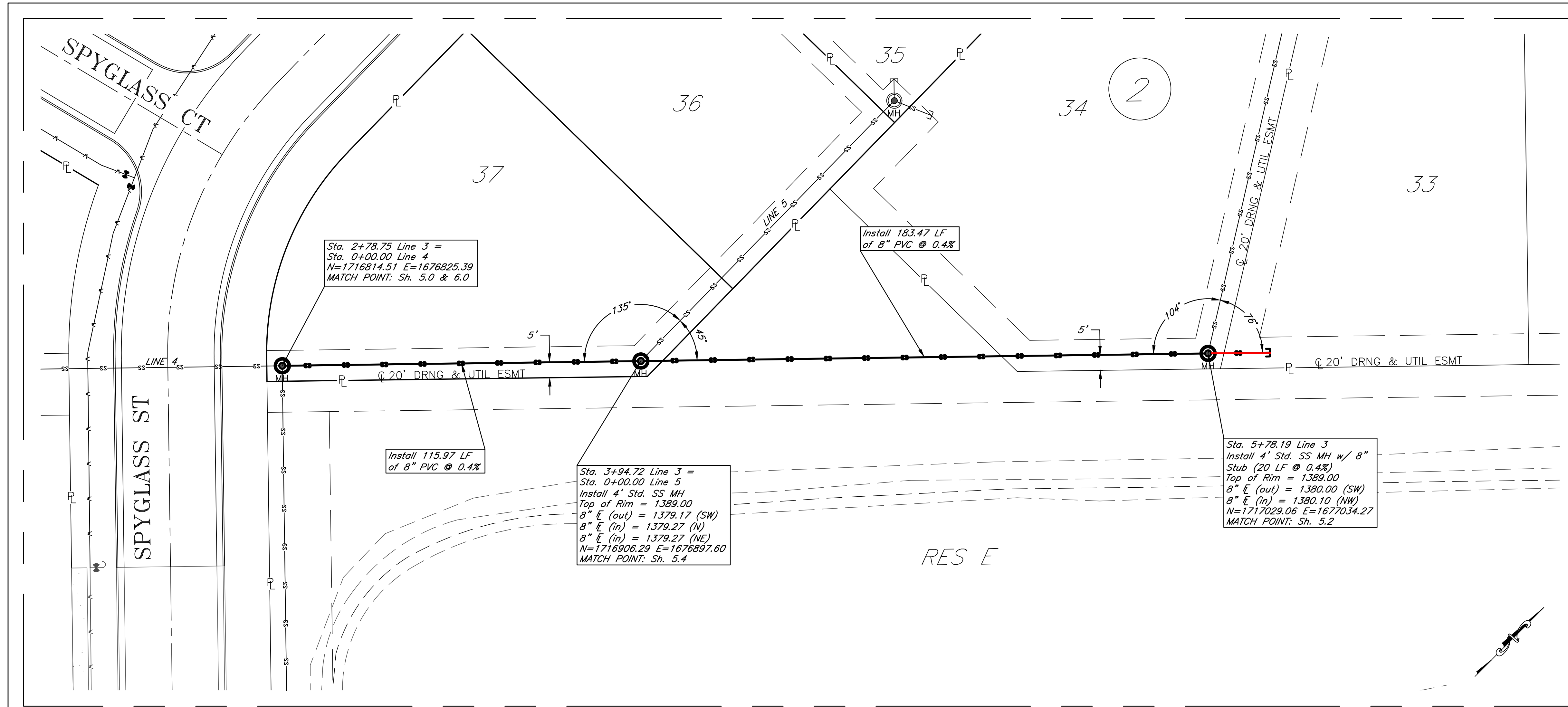


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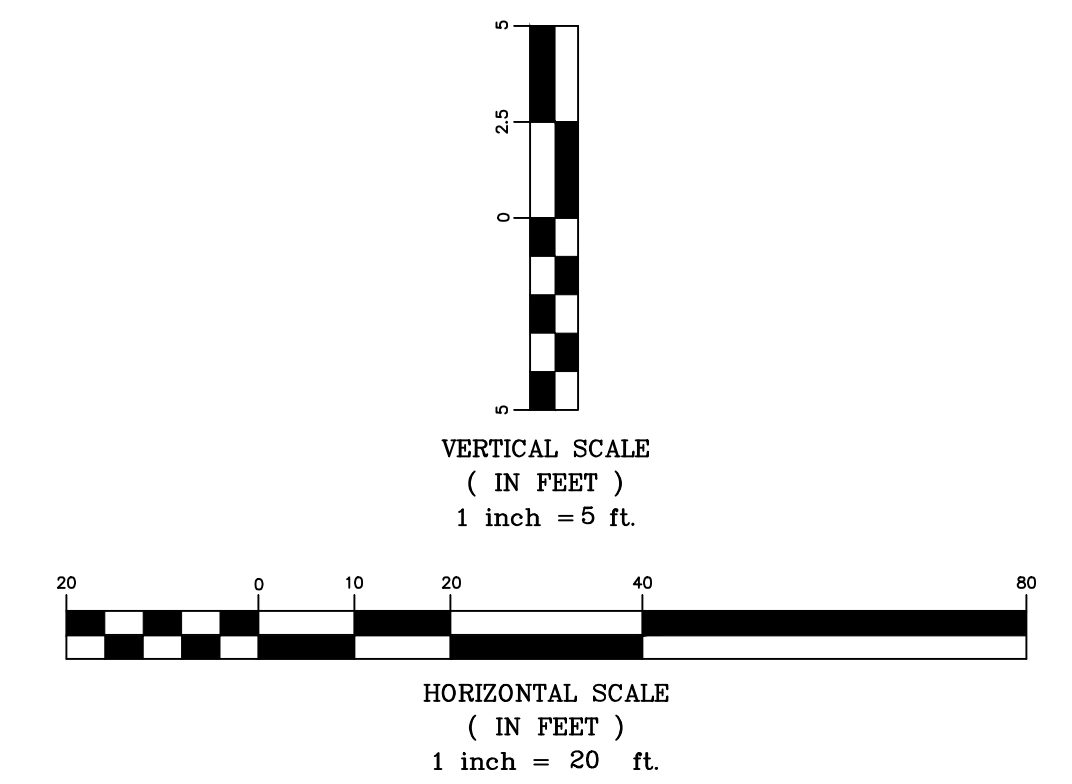


Sawmill Creek Addition (Phase 2)
SS Plan & Profile - Line 3
 Wichita, Kansas

	PROJECT NUMBER			SHEET 5.0
	KEM NO. 18046	FILE	DATE 01/2022	
DESIGN KM	DRAWN ZS	REVISED		



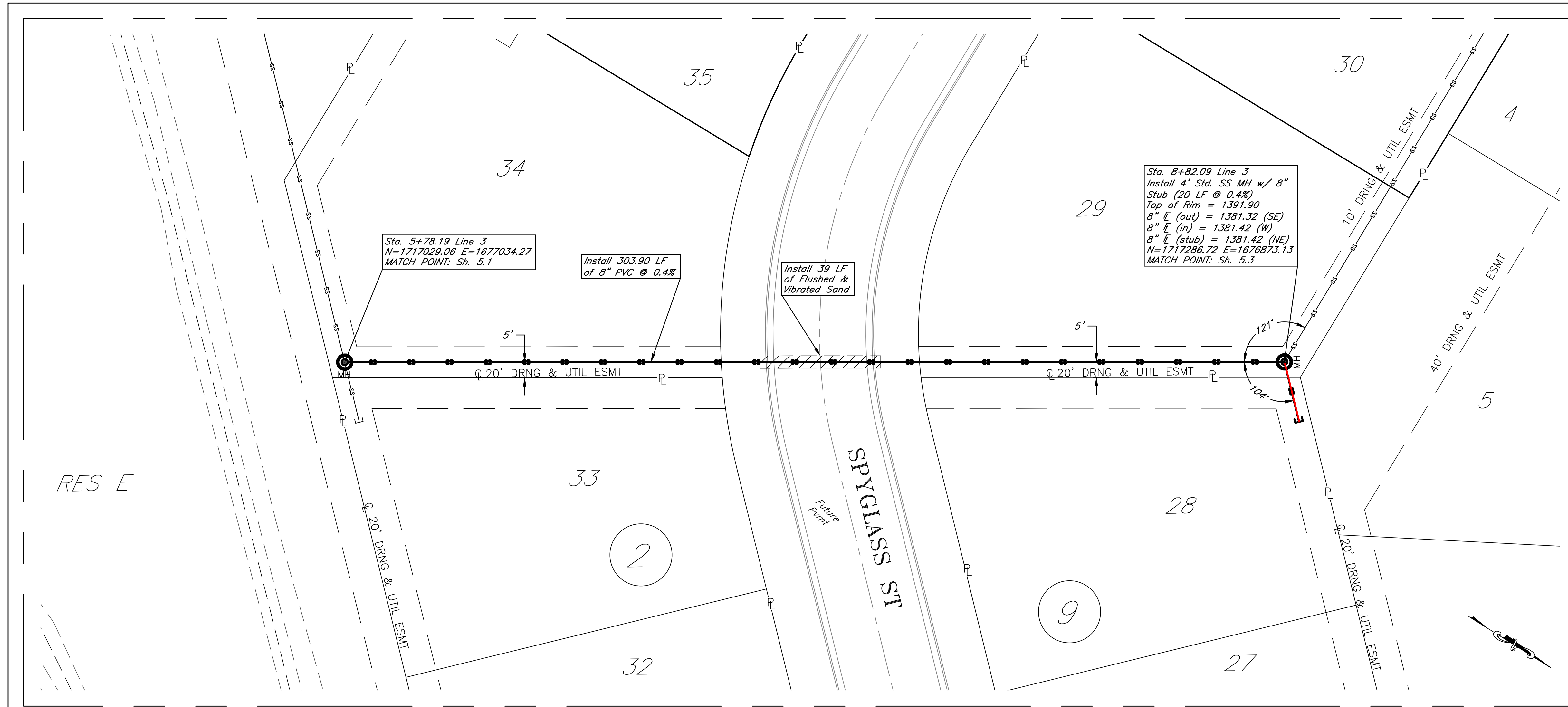
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Sawmill Creek Addition (Phase 2)
SS Plan & Profile - Line 3
 Wichita, Kansas

	PROJECT NUMBER			
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DESIGN KM	DRAWN ZS	REVISED		

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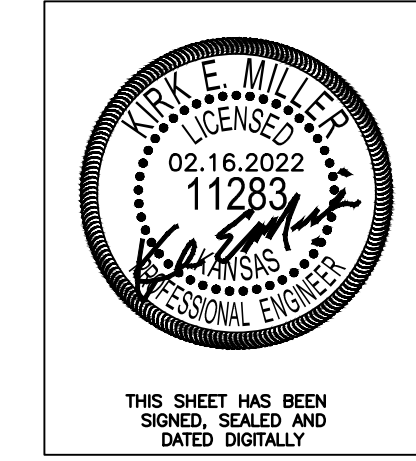


Sta. 8+82.09 Line 3
 Install 4' Std. SS MH w/ 8"
 Stub (20 LF @ 0.4%)
 Top of Rim = 1391.90
 8" E (out) = 1381.32 (SE)
 8" E (in) = 1381.42 (W)
 8" E (stub) = 1381.42 (NE)
 N=1717286.72 E=1676873.13
 MATCH POINT: Sh. 5.3

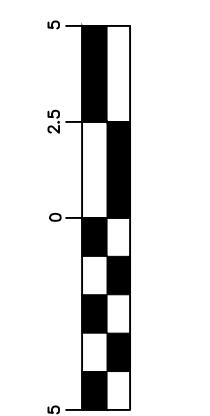
Sta. 5+78.19 Line 3
 N=1717029.06 E=1677034.27
 MATCH POINT: Sh. 5.1

Install 303.90 LF
 of 8" PVC @ 0.4%

Install 39 LF
 of Flushed &
 Vibrated Sand



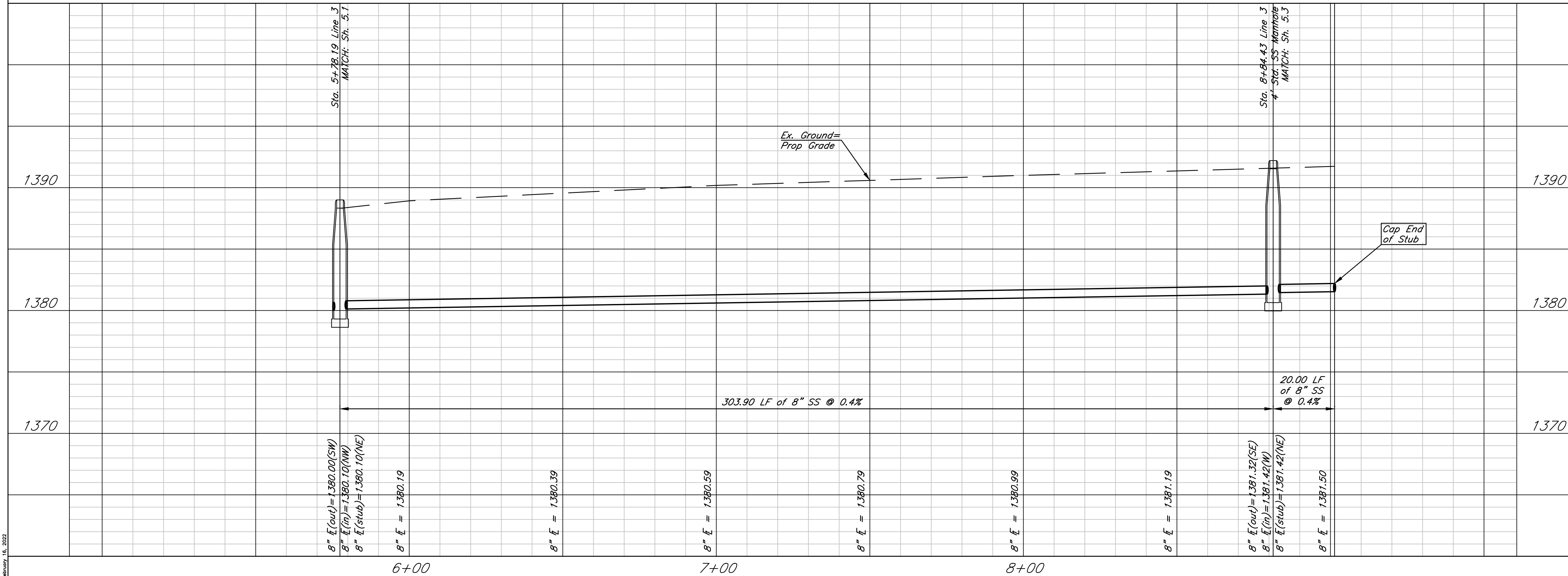
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VERTICAL SCALE
 (IN FEET)
 1 inch = 5 ft.



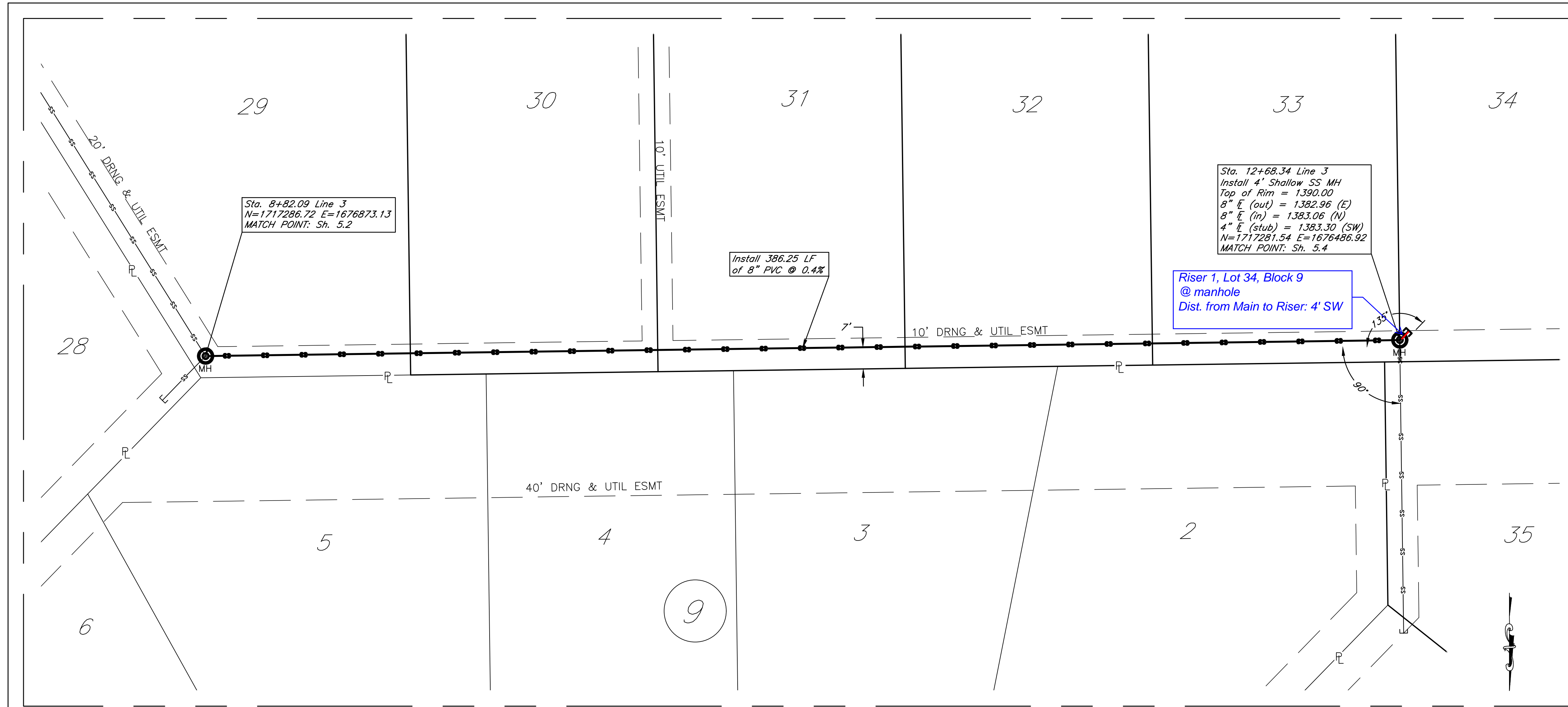
HORIZONTAL SCALE
 (IN FEET)
 1 inch = 20 ft.



Sawmill Creek Addition (Phase 2)
 SS Plan & Profile - Line 3
 Wichita, Kansas

 117 E. Lewis, Wichita, KS 67202 (316)264-0242	PROJECT NUMBER			SHEET 5.2
	KEM NO. 18046	FILE	DATE 01/2022	
DESIGN KM	DRAWN ZS	REVISED		

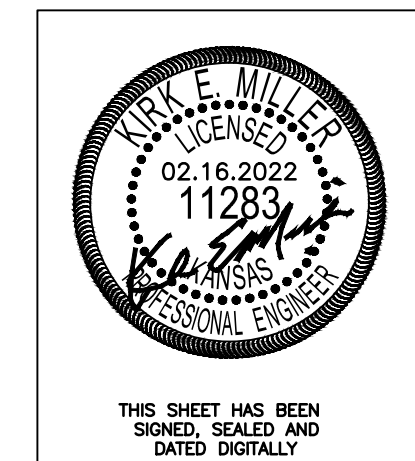
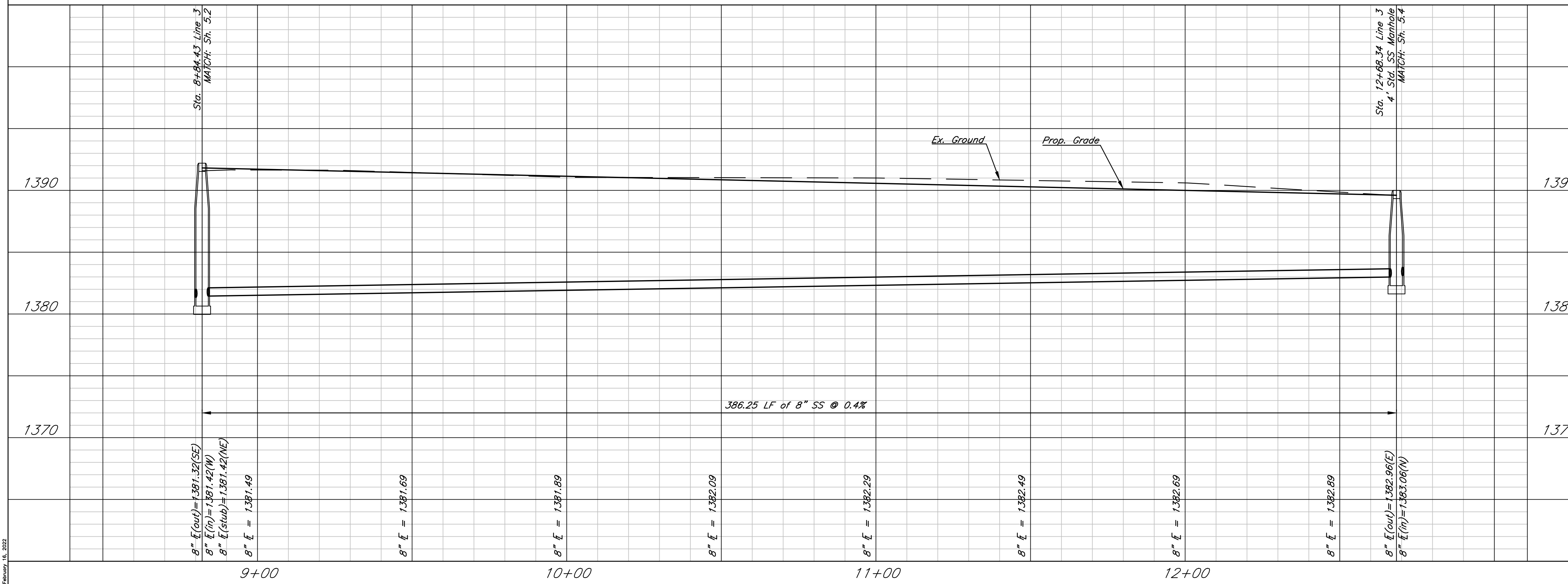
February 15, 2022



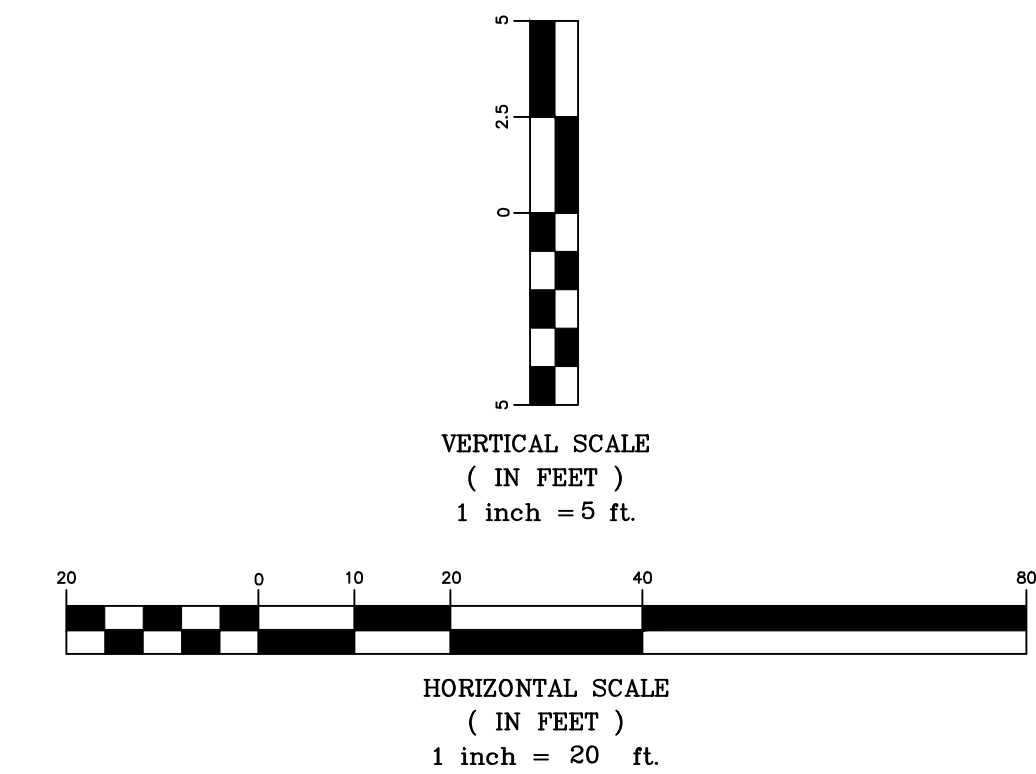
SANITARY SEWER RISER TABLE (FOR INFORMATION ONLY)							
STATION	LINE	DIRECTION	TYPE	LOT	BLOCK	4" PIPE LENGTH	
						VERT.	HORZ.
12+68.34	3	SW	4" MH STUB	34	9	6.4'	4.2'

Sta. 12+68.34 Line 3
Install 4' Shallow SS MH
Top of Rim = 1390.00
8" E (out) = 1382.96 (E)
8" E (in) = 1383.06 (N)
4" E (stub) = 1383.30 (SW)
N=1717281.54 E=1676486.92
MATCH POINT: Sh. 5.4

Riser 1, Lot 34, Block 9
@ manhole
Dist. from Main to Riser: 4' SW

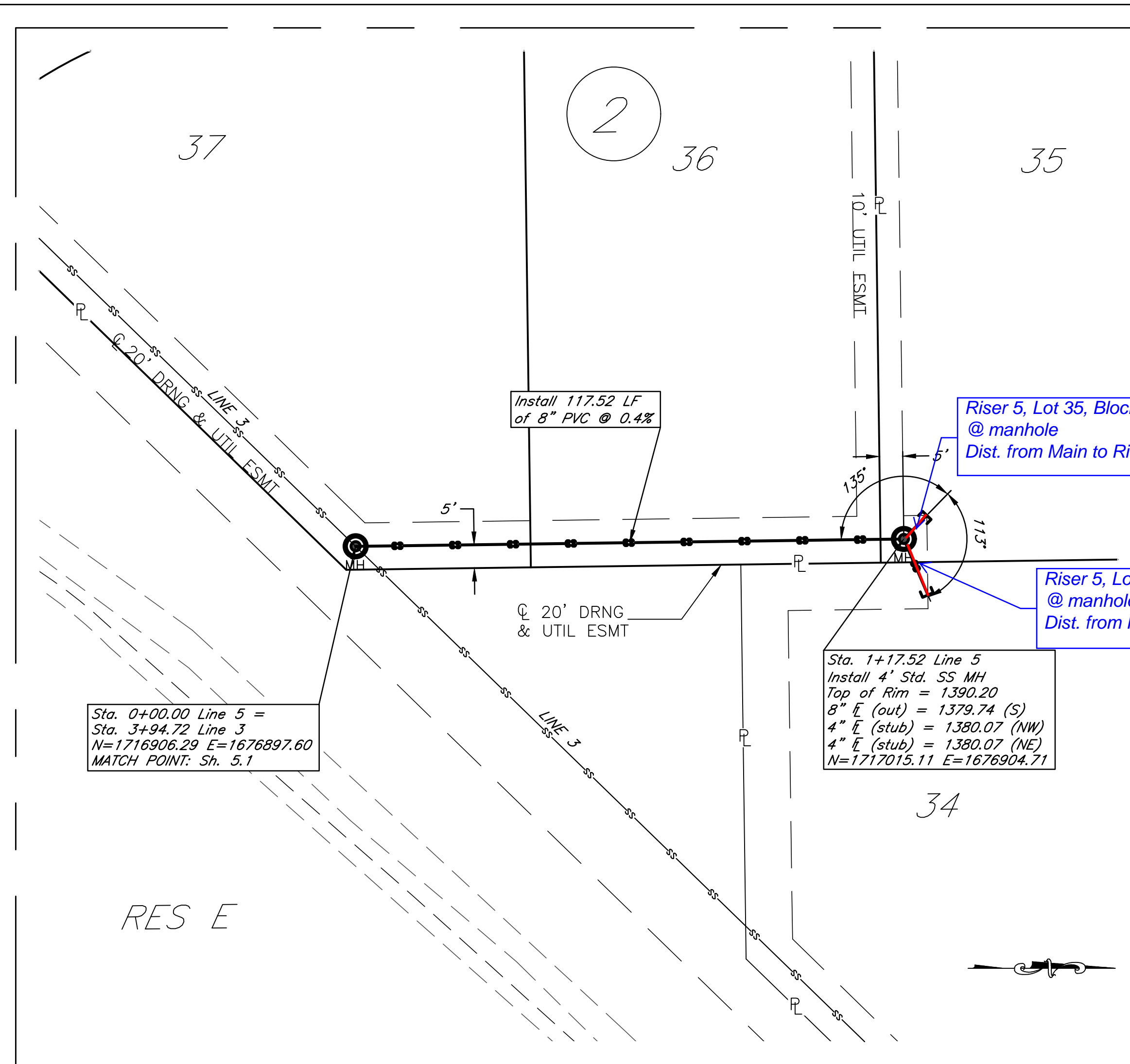
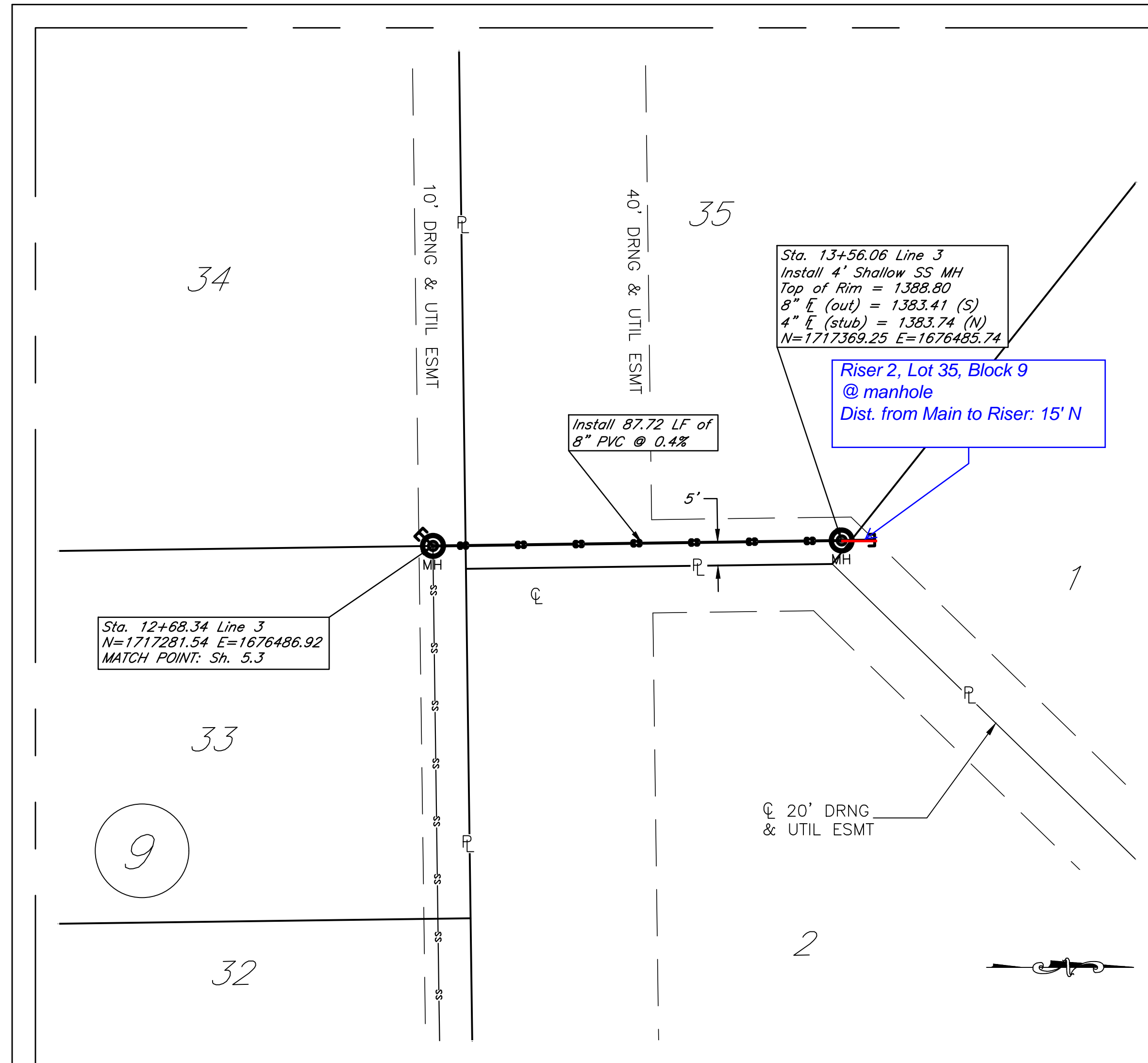


THIS SHEET HAS BEEN
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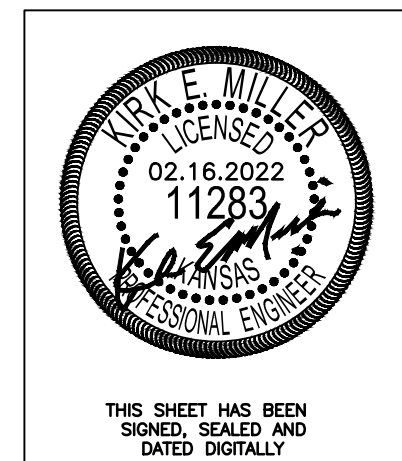
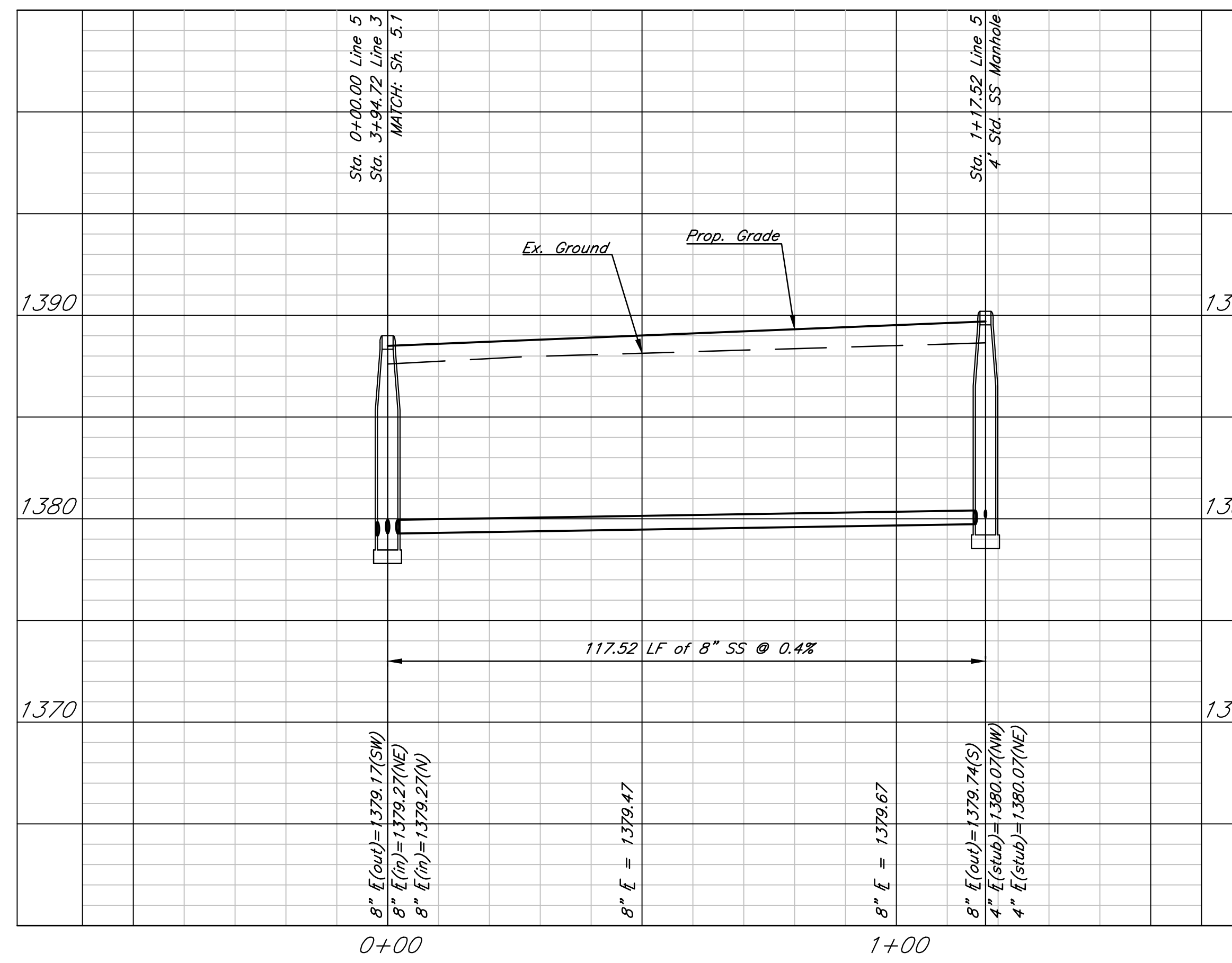
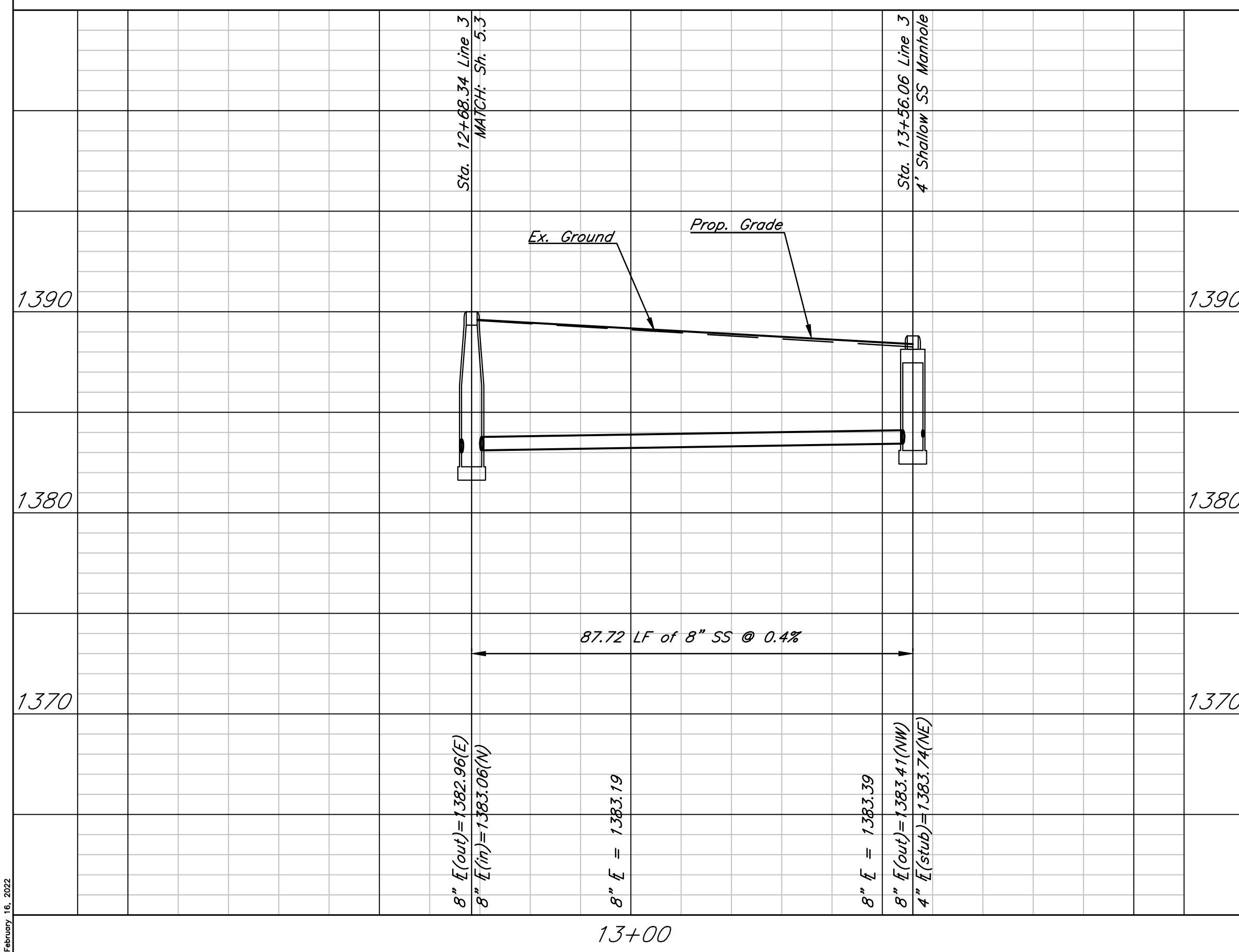
Sawmill Creek Addition (Phase 2)
SS Plan & Profile - Line 3
Wichita, Kansas

 117 E. Lewis, Wichita, KS 67202 (316)264-0242	PROJECT NUMBER			
	KEM NO. 18046	FILE	DATE 01/2022	SHEET 5.3
DESIGN KM	DRAWN ZS	REVISED		

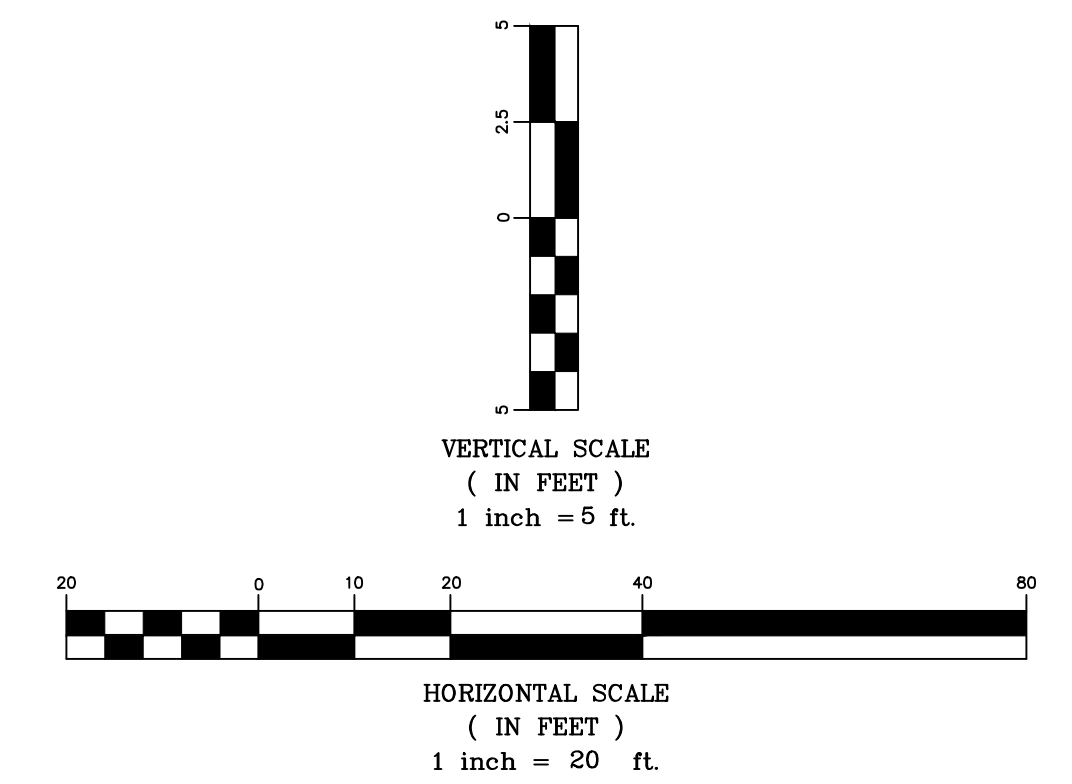


SANITARY SEWER RISER TABLE
(FOR INFORMATION ONLY)

STATION	LINE	DIRECTION	TYPE	LOT	BLOCK	4" PIPE LENGTH	
						VERT.	HORZ.
13+56.06	3	N	4" MH STUB	35	9	4.7'	15.0'
1+17.52	5	NW	4" MH STUB	35	2	9.8'	7.0'
1+17.52	5	NE	4" MH STUB	34	2	9.8'	13.0'

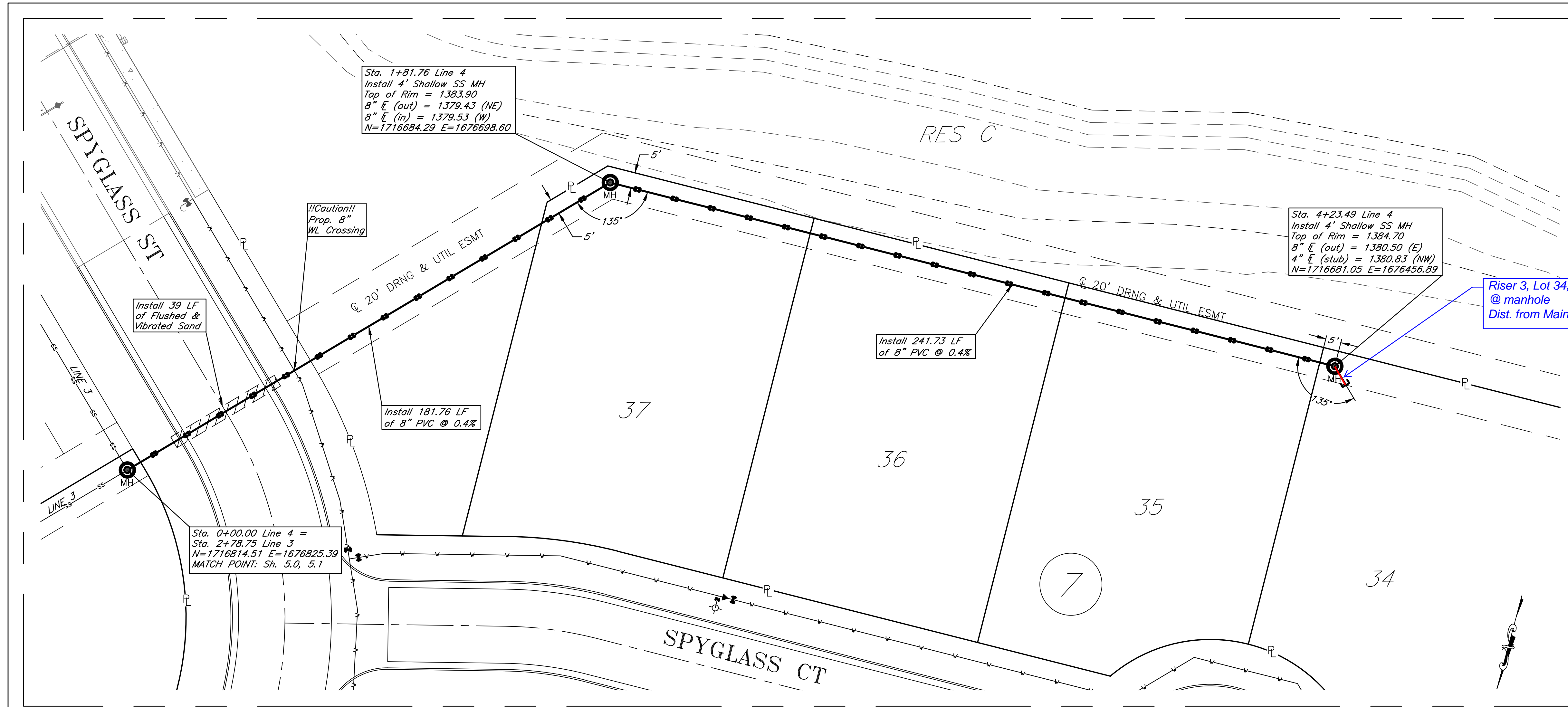


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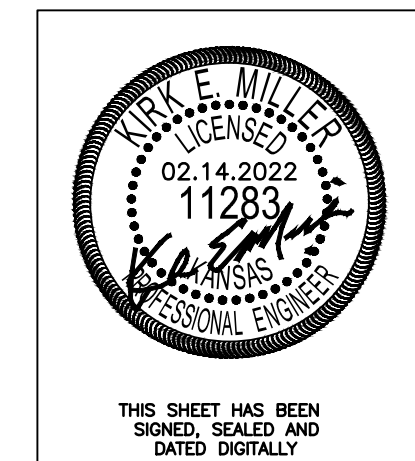
Sawmill Creek Addition (Phase 2)
SS Plan & Profile - Lines 3 & 5
Wichita, Kansas

	PROJECT NUMBER			SHEET 5.4
	KEM NO. 18046	FILE	DATE 01/2022	
DESIGN KM	DRAWN ZS	REVISED		

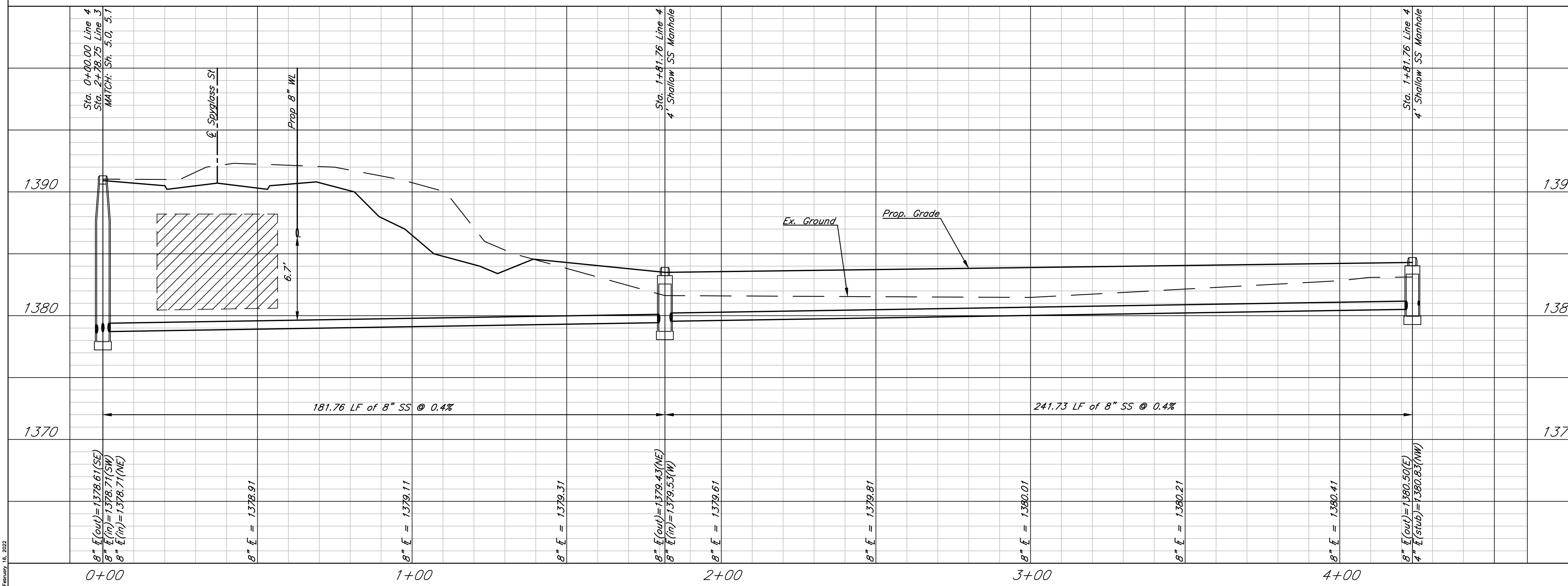
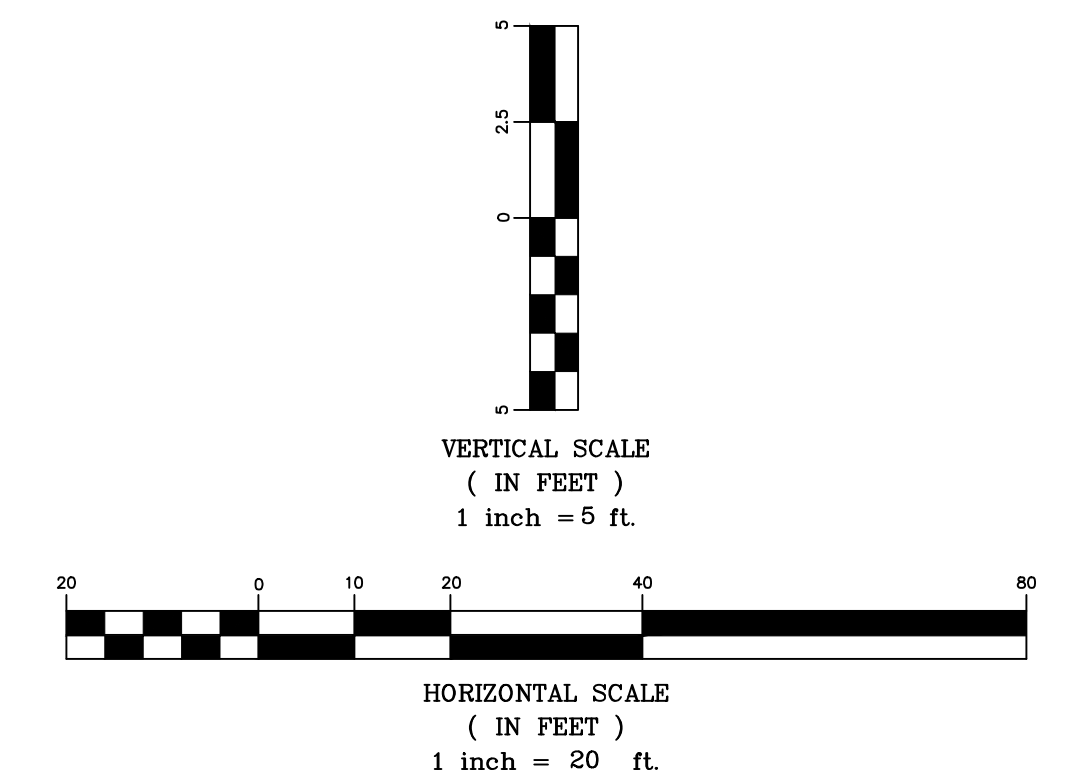


SANITARY SEWER RISER TABLE (FOR INFORMATION ONLY)							
STATION	LINE	DIRECTION	TYPE	LOT	BLOCK	4" PIPE LENGTH	
						VERT.	HORZ.
4+23.49	4	NW	4" MH STUB	34	7	3.5'	7.0'

Riser 3, Lot 34, Block 7
@ manhole
Dist. from Main to Riser: 7' NW



THIS SHEET HAS BEEN
SIGNED, SEALED AND
DATED DIGITALLY



Sawmill Creek Addition (Phase 2)
SS Plan & Profile - Line 4
Wichita, Kansas

PROJECT NUMBER

KEMILLER ENGINEERING, PA 117 E. Lewis, Wichita, KS 67202 (316)264-0242	KEM NO. 18046	FILE	DATE 01/2022	SHEET 6.0
	DESIGN KM	DRAWN ZS	REVISED	