

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:

Cox Communications 260-7204
 Kansas Gas Service 1-888-482-4950
 Phillips 66 Pipeline 1-918-661-5535
 Westar 383-8600
 AT&T 1-800-286-8313
 City of Wichita Water Department 262-6000
 City of Wichita Sewer Maintenance 262-6000

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 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. If traffic will be impacted by construction, a traffic control plan must be submitted and approved by the City Traffic Engineer, Brian Coon 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 responsibly.

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.

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

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

14. Any sidewalk, drive approach, curb, or street pavement removed to construct project must have a pavement cut permit and be replaced by the City contractor. Permits can be obtained by calling 316-268-4501 or 316-268-4480.

15. Contractor shall perform easement grading as indicated on Sheet 9.

Benchmarks

BENCHMARK 1: CHISELED SQUARE ON THE TOP OF CURB ON THE NORTH SIDE OF WOODCREEK STREET, AT THE SOUTHWEST CORNER OF LOT 12, ELEVATION = 1295.17 (NAVD88)

BENCHMARK 2: CHISELED SQUARE ON THE TOP OF CURB ON THE EAST SIDE OF ROSEWOOD STREET, AT THE SOUTHWEST CORNER OF LOT 36, ELEVATION = 1296.28 (NGVD)

LATERAL 444, FOUR MILE CREEK SEWER

to serve

Whispering Lakes Estates Phase 4

CITY OF WICHITA, KANSAS

Gary Janzen, P.E. City Engineer

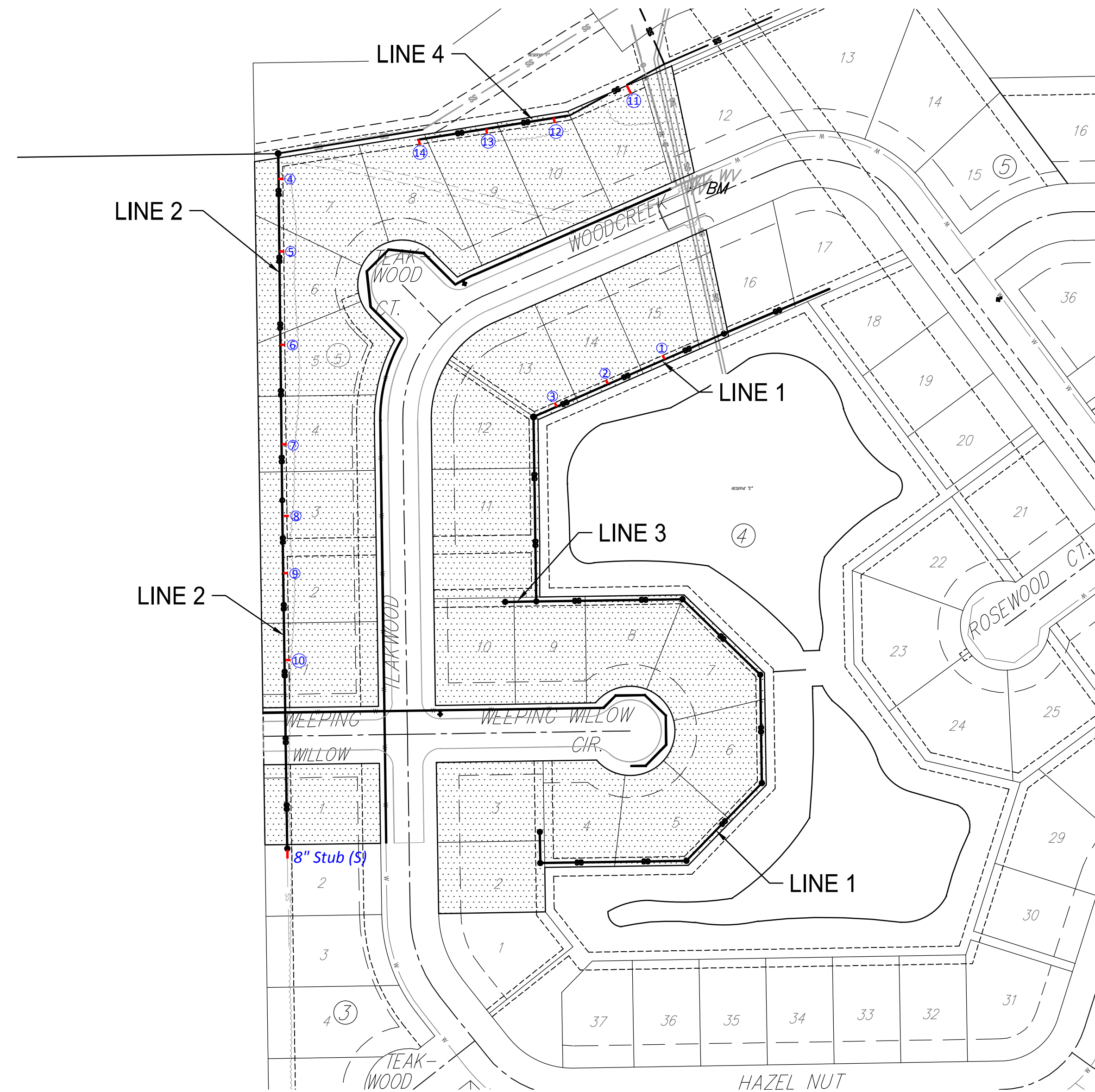
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O.C.A. NO. 744400

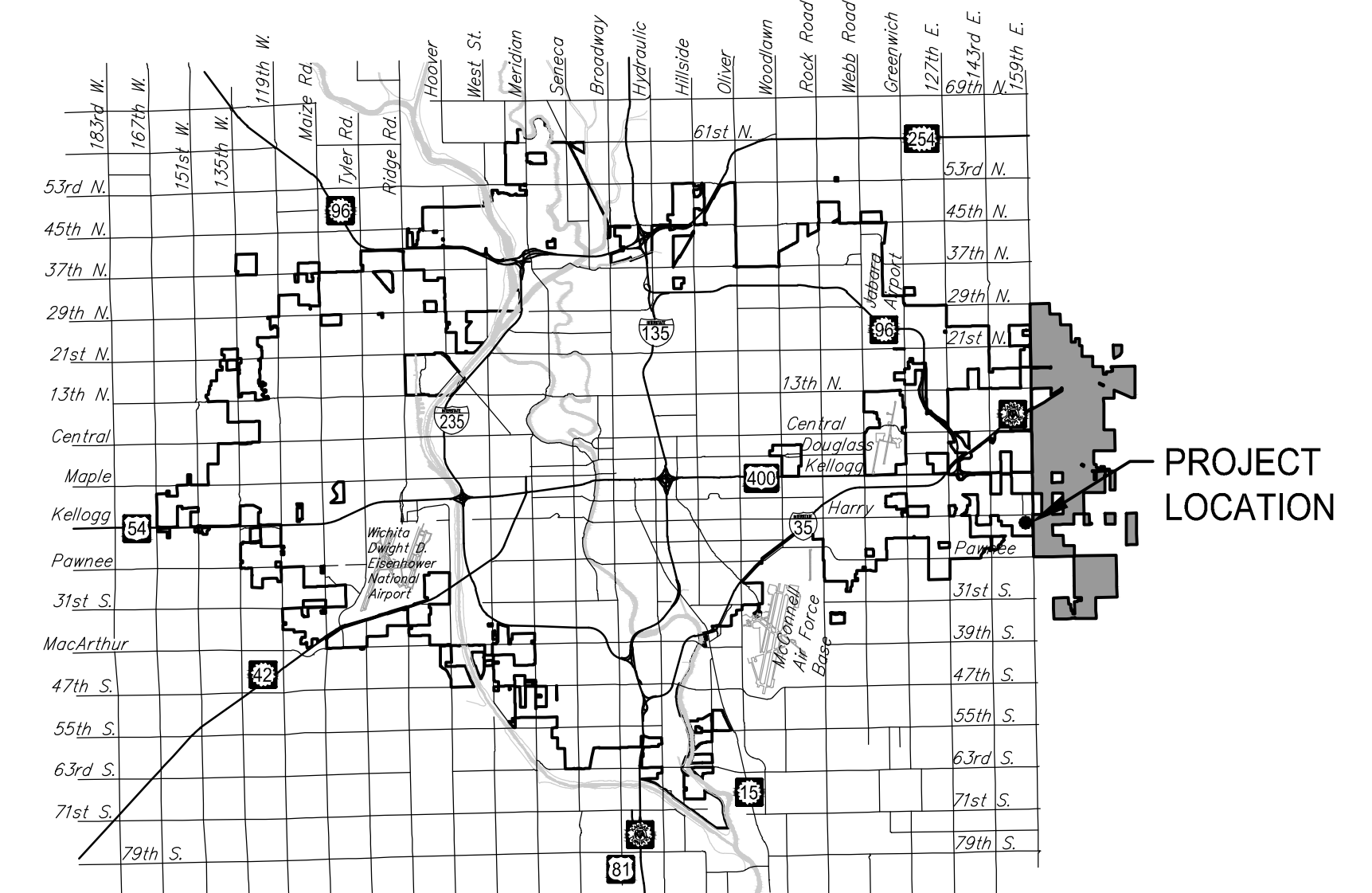
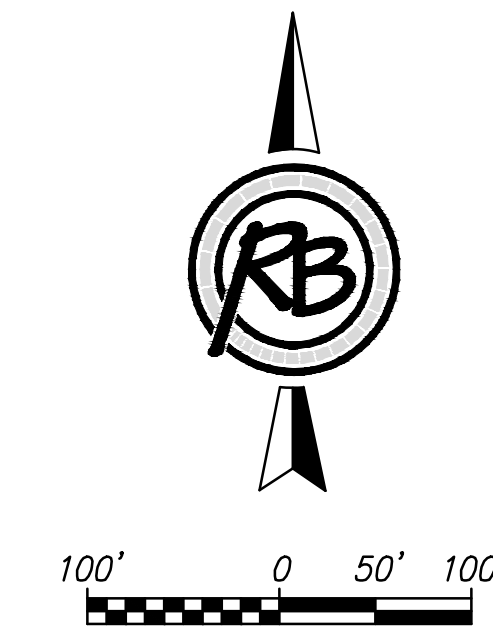
Mies Construction - Contractor
 J. Wagner - City of Wichita, Field Project Engineer
 D. Zimmerman - Ruggles & Bohm, Inspector
 As-built
 Stub & Risers
 Release Date: 02/05/2016
 pdf: apr 05/27/2016

Sheet Index

1. TITLE SHEET
- 2.-5. PLAN & PROFILES
6. PRECAST MH DETAILS
7. MH FRAME & COVER DETAILS
8. RISER DETAIL
9. EROSION CONTROL PLAN
- 10.-14. EROSION CONTROL DETAILS
15. SS COORDINATE MAP
16. ADDITION BUBBLE MAP
17. PLAT



IMPROVEMENT DISTRICT



Vicinity Map

August 2015

As Built Plans
 Contractor: Mies Construction
 Inspector: Dakota Zimmerman
 Ruggles & Bohm, P.A.
 PDF By: DGZ 01/05/16

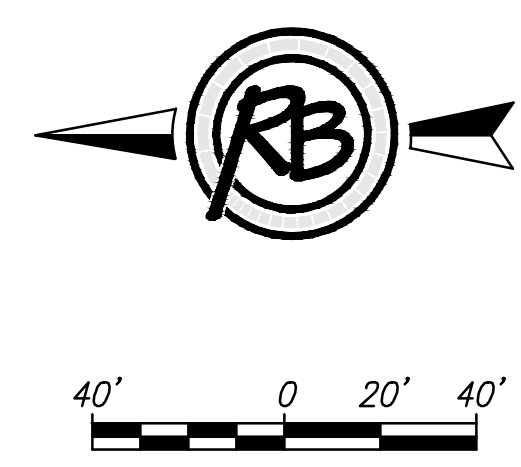
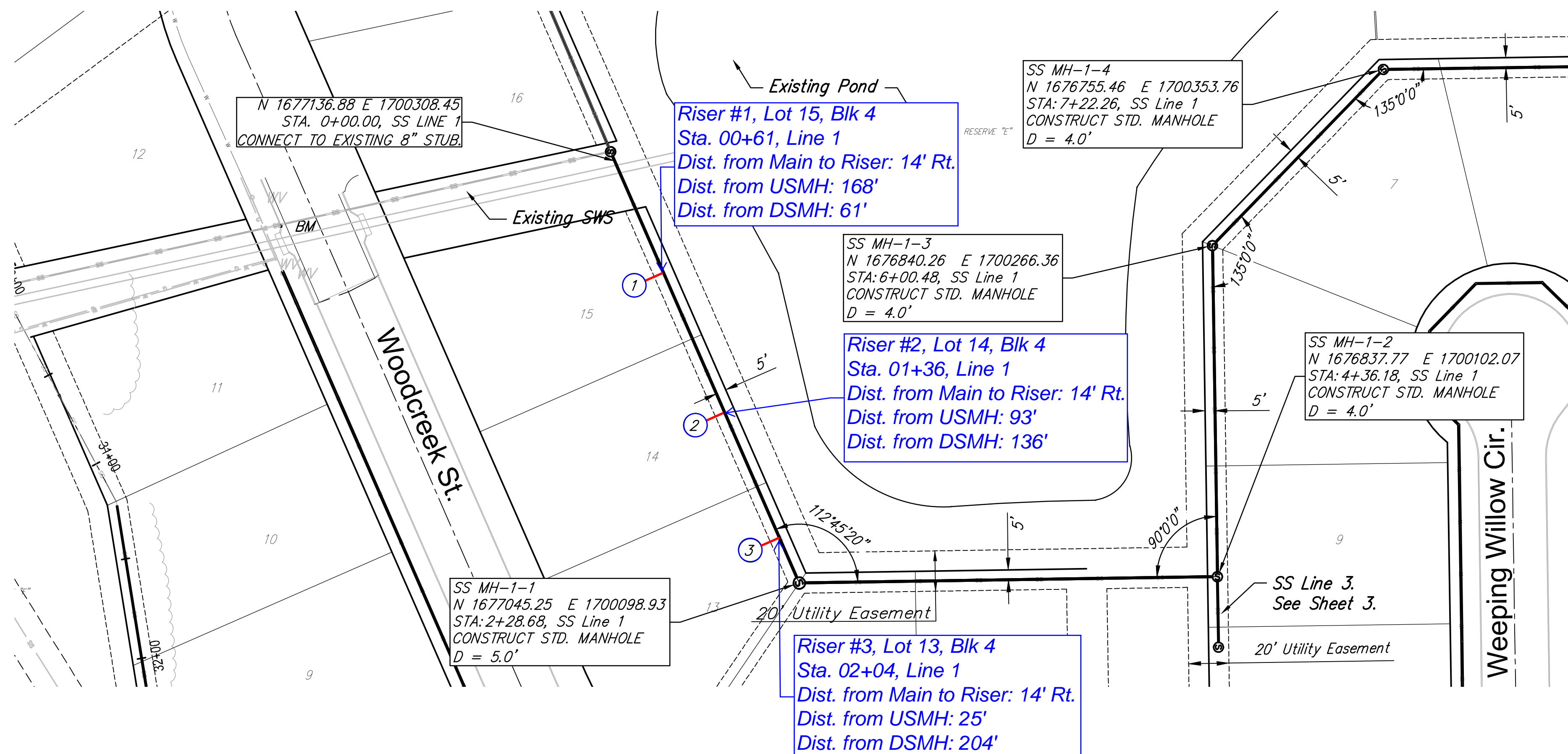


ENGINEERING | SURVEYING | LANDSCAPE ARCHITECTURE | GOVERNMENT
 924 NORTH MAIN WICHITA, KANSAS 67203 P (316) 264-8008 F (316) 264-4621
 WWW.RBKANSAS.COM 4545E

As Built Plans
 Contractor: Mies Construction
 Inspector: Dakota Zimmerman
 Ruggles & Bohm, P.A.
 PDF By: DGZ 01/05/16

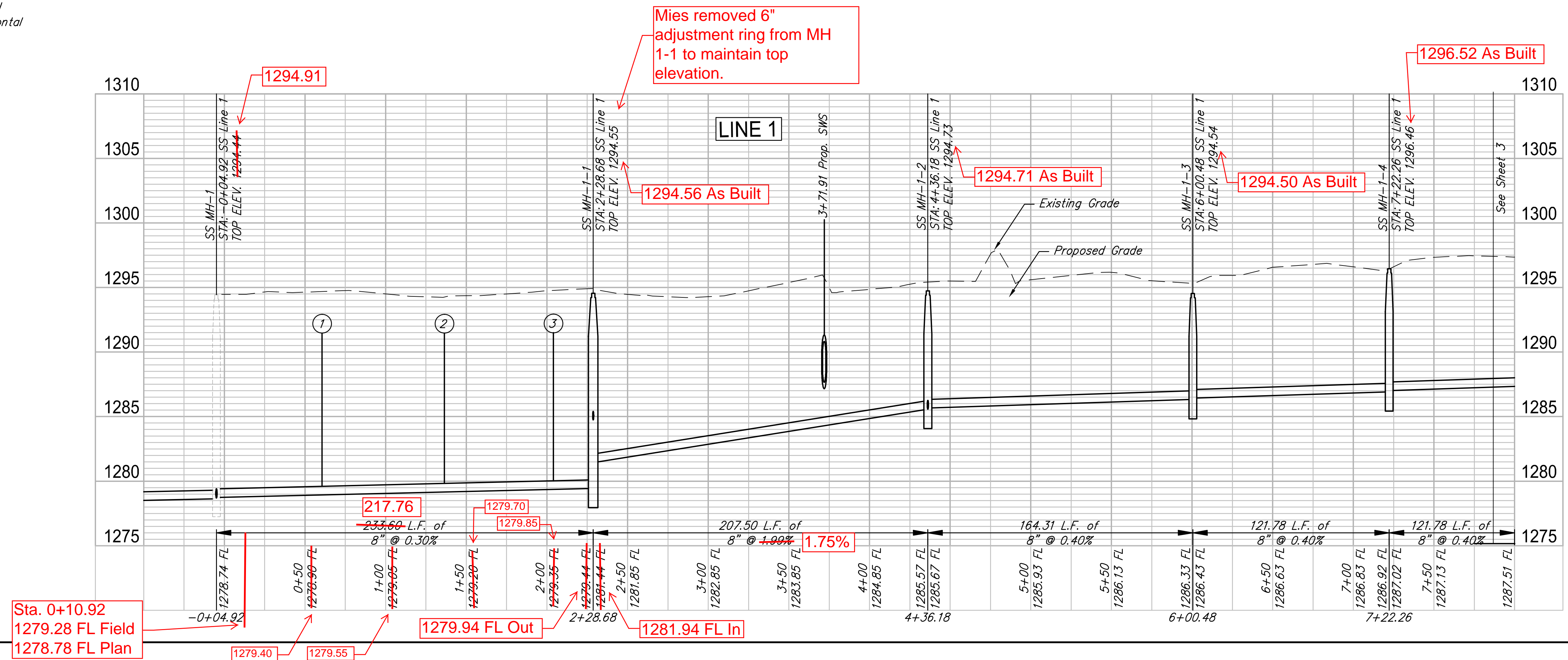
SEWER SERVICE TABLE							
NUMBER	TYPE	SERVING			STATION/DIRECTION	FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.		APPROX. LENGTH 4" PIPE	VERTICAL
1	10"x4" Saddle	15	4	1	0+61 Right	12.6	14.0
2	10"x4" Saddle	14	4	1	1+36 Right	12.4	14.0
3	10"x4" Saddle	13	4	1	2+04 Right	12.2	14.0

All services/risers were installed with a 8"x4" Tee.
 No saddles were used.

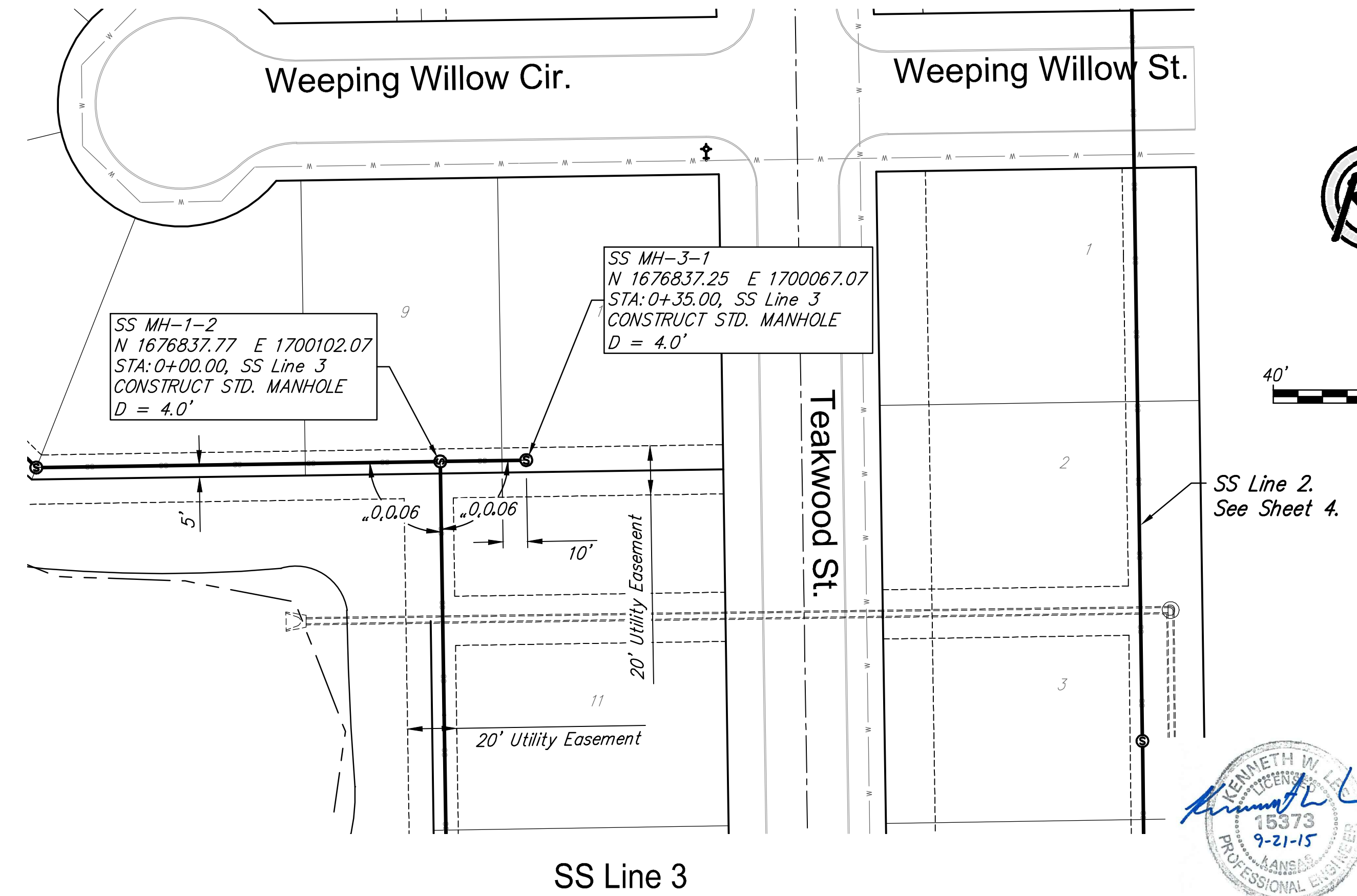
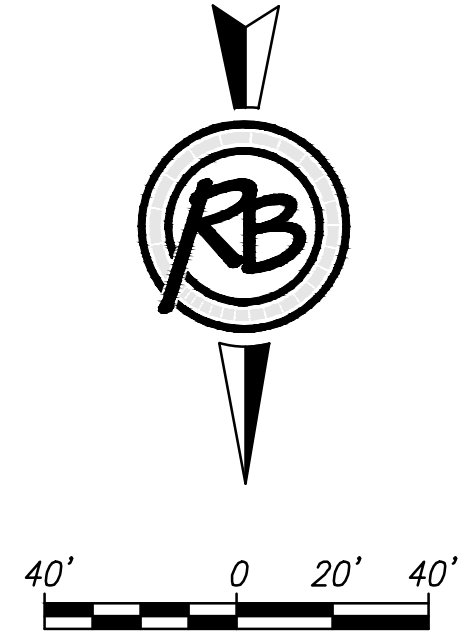
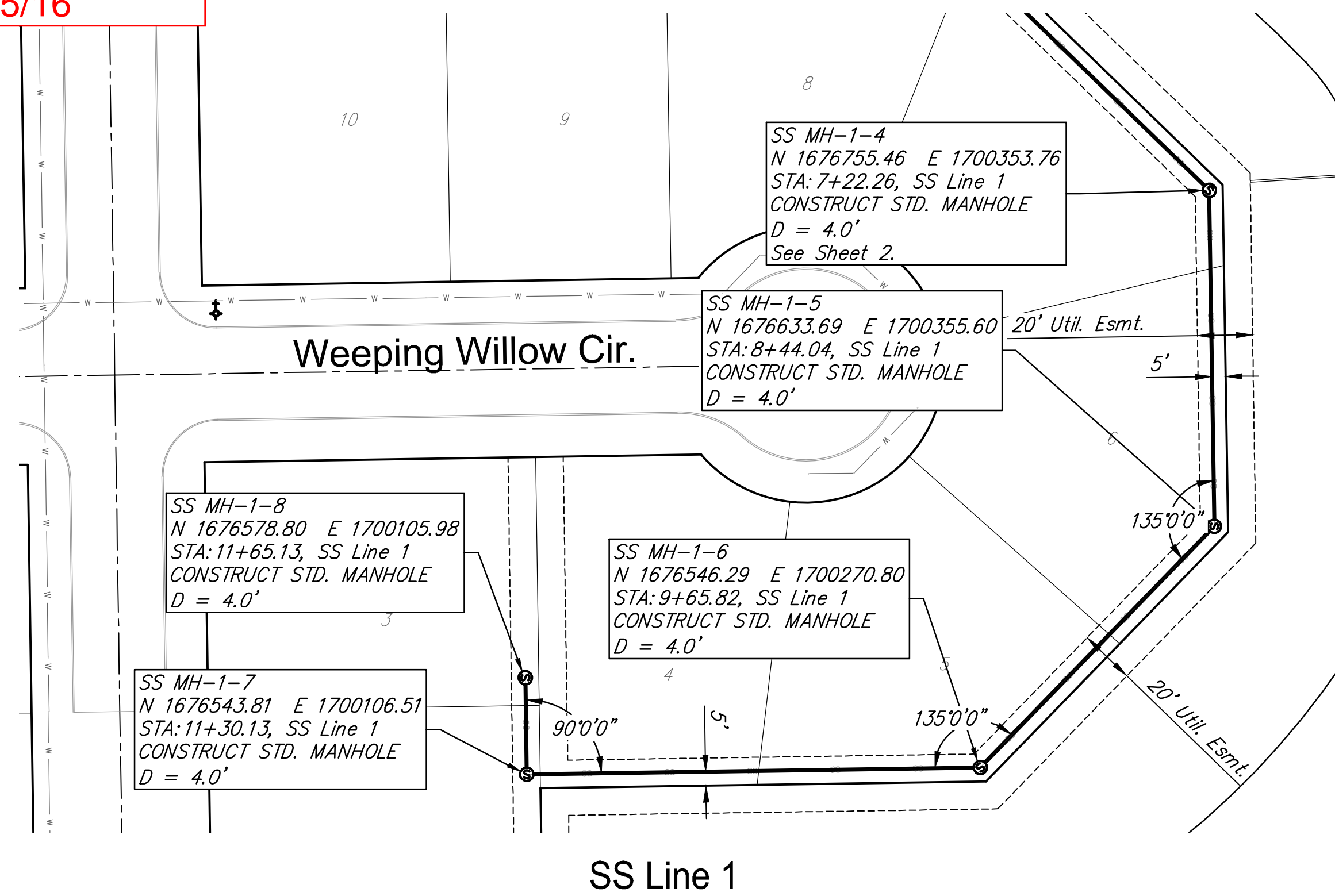
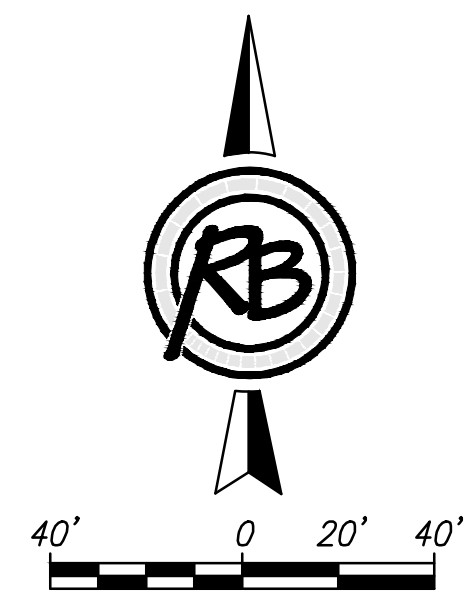


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Whispering Lakes Estates Phase 4
SS Line 1
 Wichita, KS
 RB JOB: 4545E
 SHEET: 2 OF 17

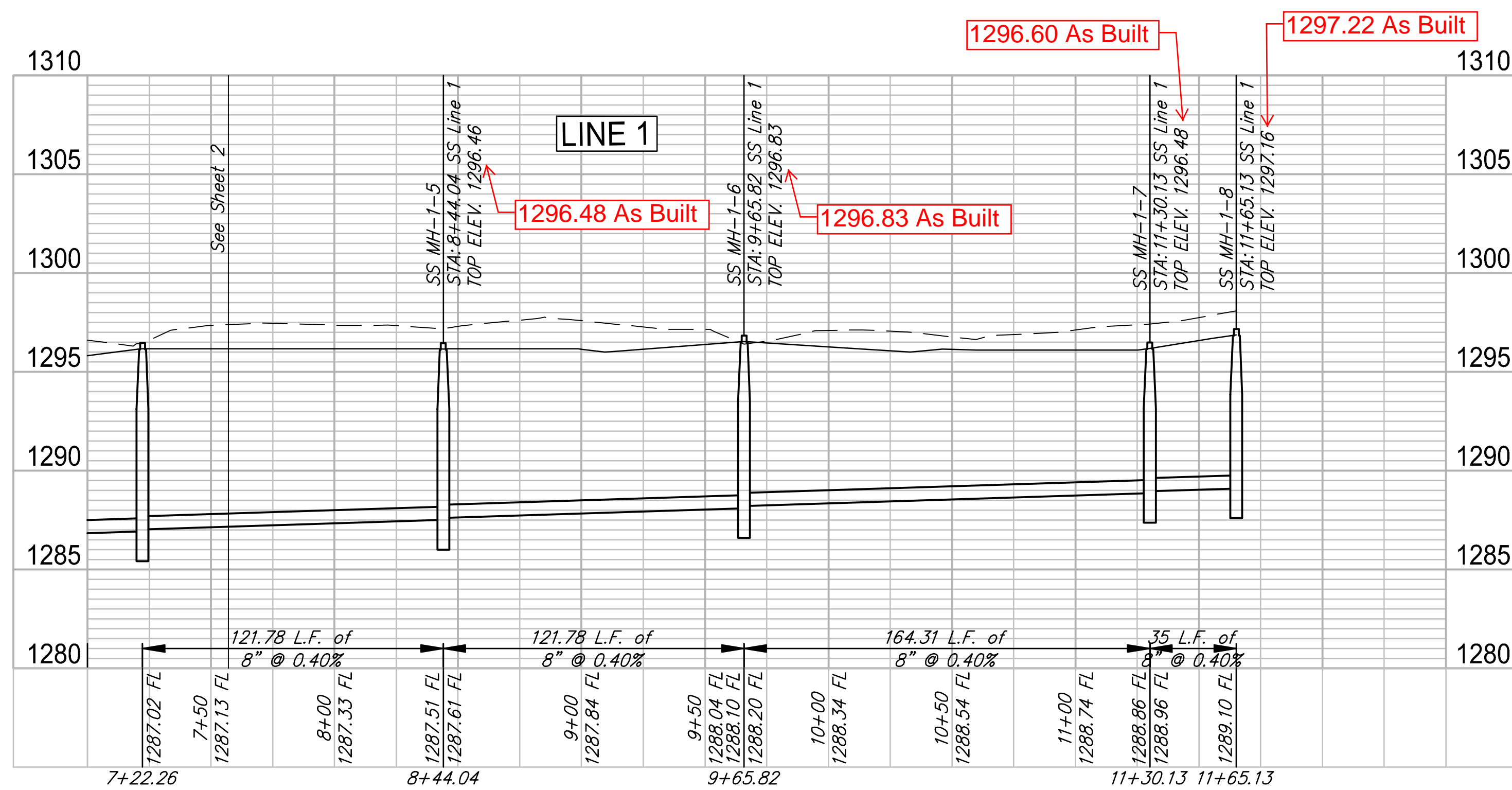
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 1" = 40' Horizontal



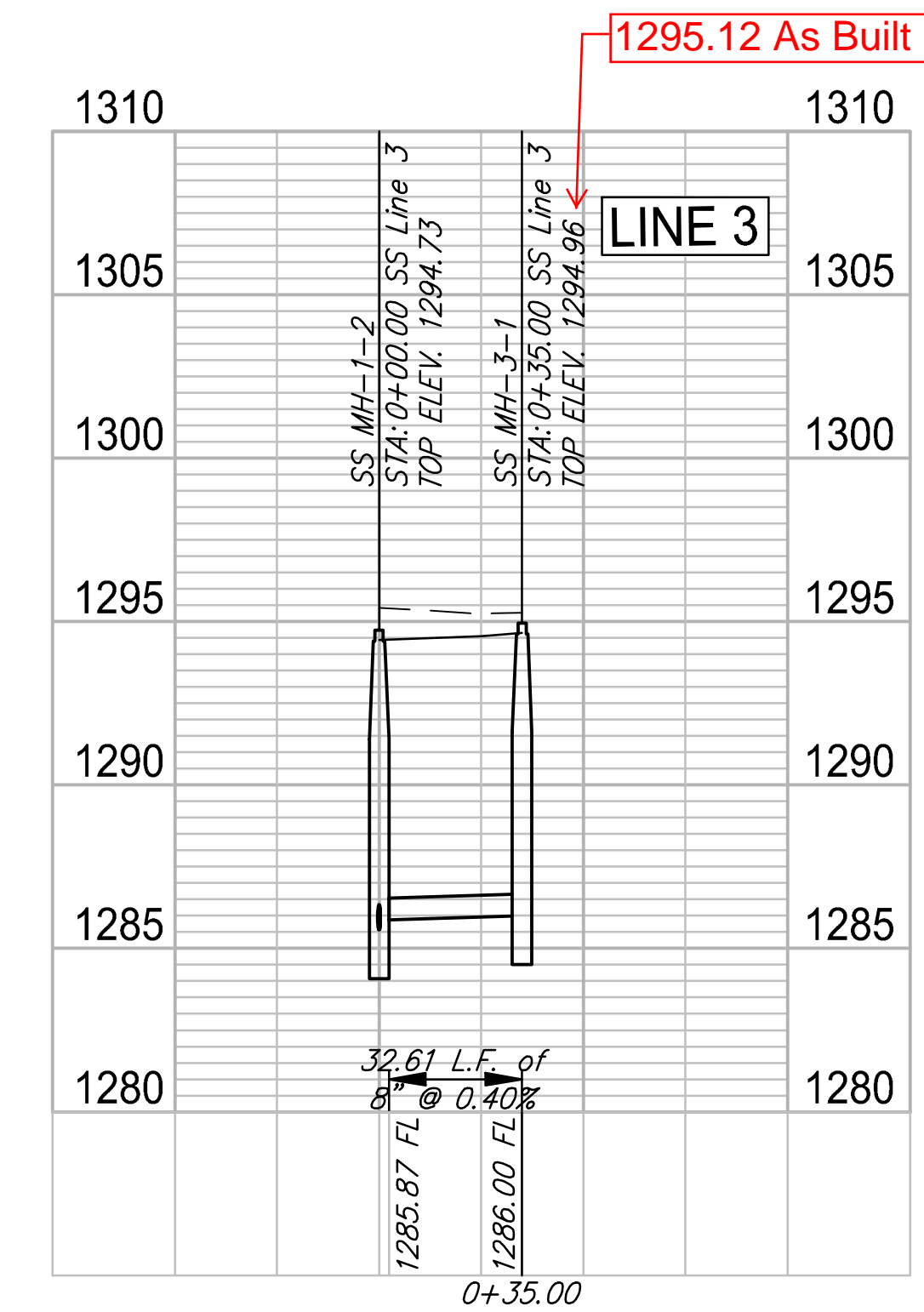
As Built Plans
 Contractor: Mies Construction
 Inspector: Dakota Zimmerman
 Ruggles & Bohm, P.A.
 PDF By: DGZ 01/05/16



Scale:
 1" = 5' Vertical
 1" = 40' Horizontal



Scale:
 1" = 5' Vertical
 1" = 40' Horizontal



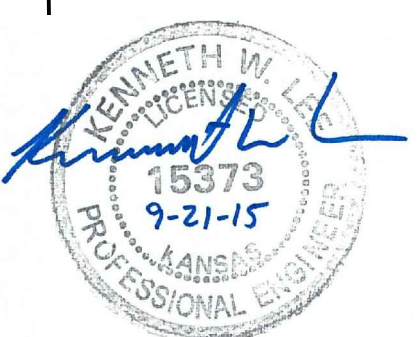
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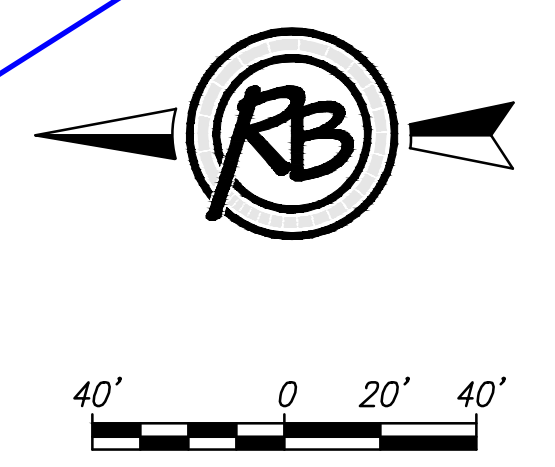
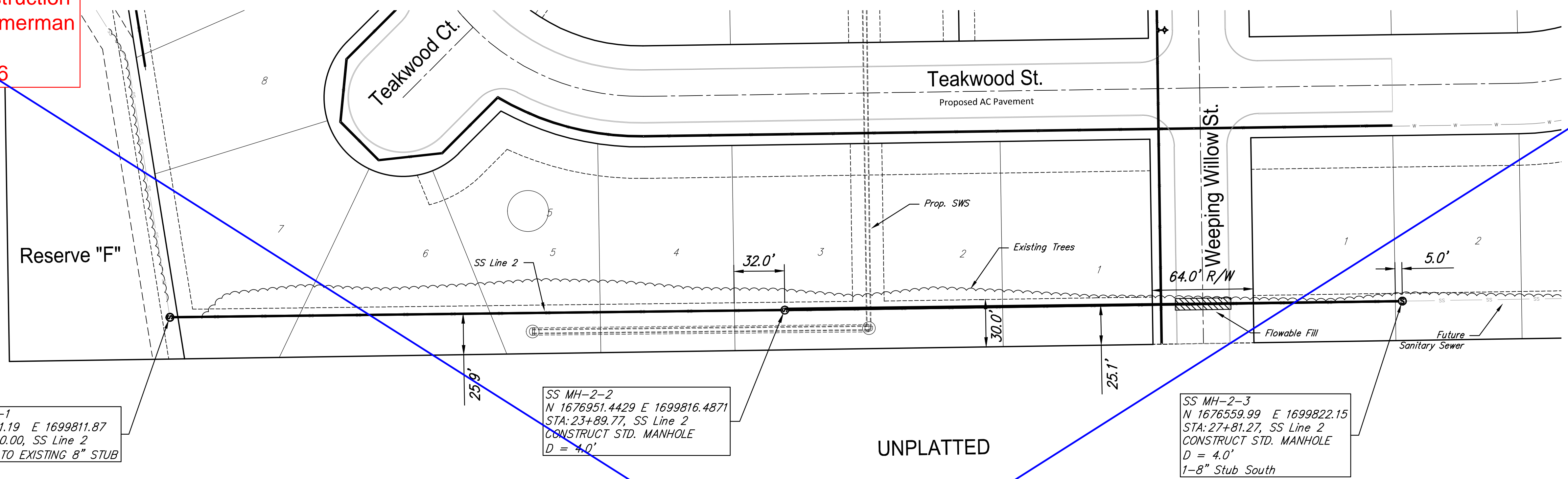
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Whispering Lakes Estates Phase 4
 SS Line 1 & Line 3
 Wichita, KS

RB JOB SHEET: 4545E
 3 OF 17



As Built Plans
 Contractor: Mies Construction
 Inspector: Dakota Zimmerman
 Ruggles & Bohm, P.A.
 PDF By: DGZ 01/05/16

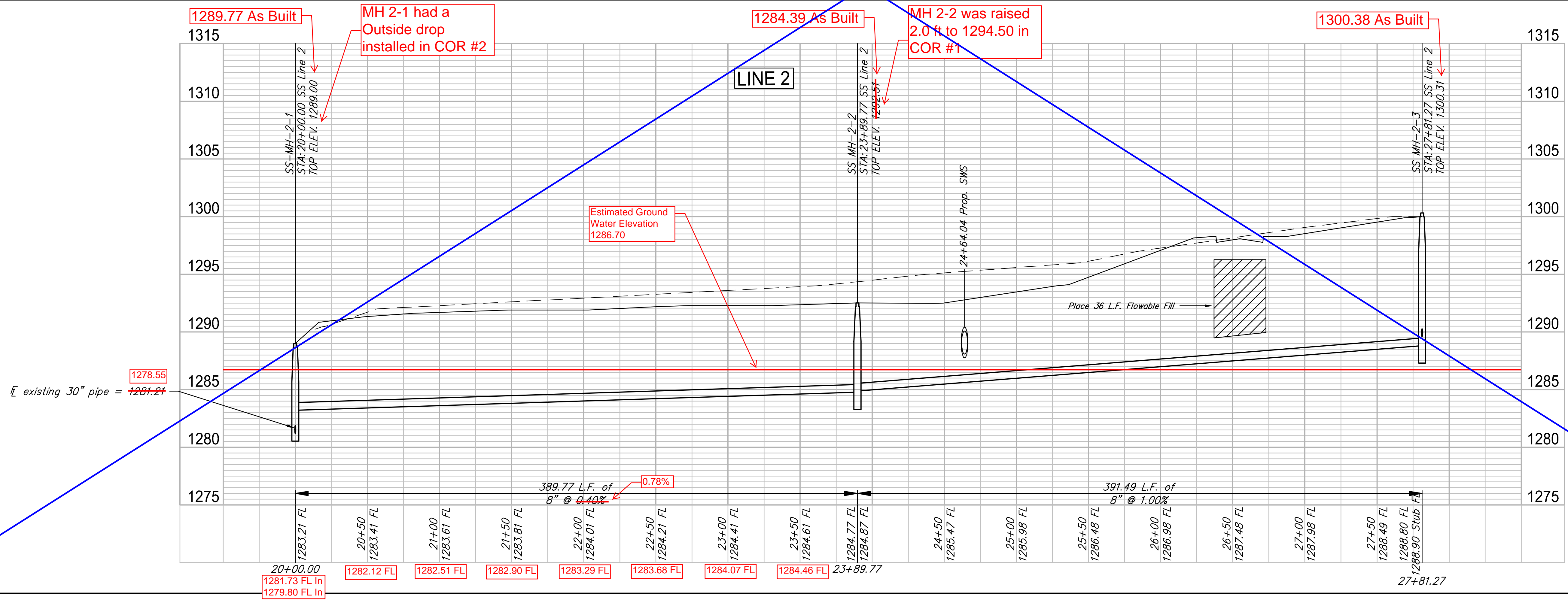


SS MH-2-1
 N 1677341.19 E 1699811.87
 STA: 20+00.00, SS Line 2
 CONNECT TO EXISTING 8" STUB

SS MH-2-2
 N 1676951.4429 E 1699816.4871
 STA: 23+89.77, SS Line 2
 CONSTRUCT STD. MANHOLE
 D = 4.0'

SS MH-2-3
 N 1676559.99 E 1699822.15
 STA: 27+81.27, SS Line 2
 CONSTRUCT STD. MANHOLE
 D = 4.0'
 1-8" Stub South

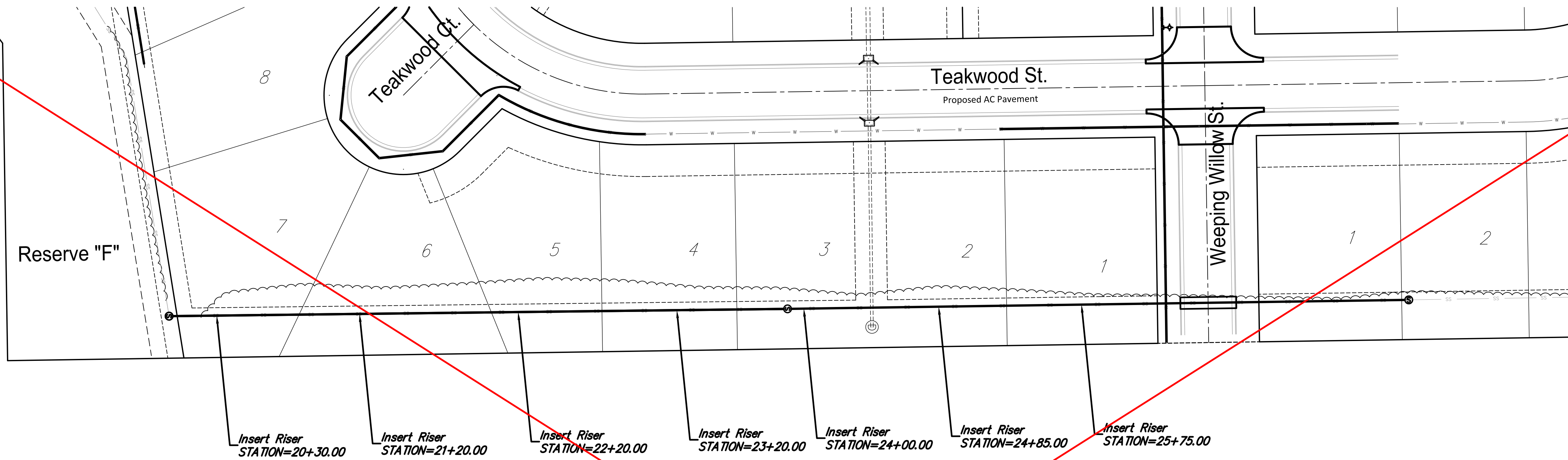
See as-built plan sheet 4



Whispering Lakes Estates Phase 4
 SS Line 2
 Wichita, KS

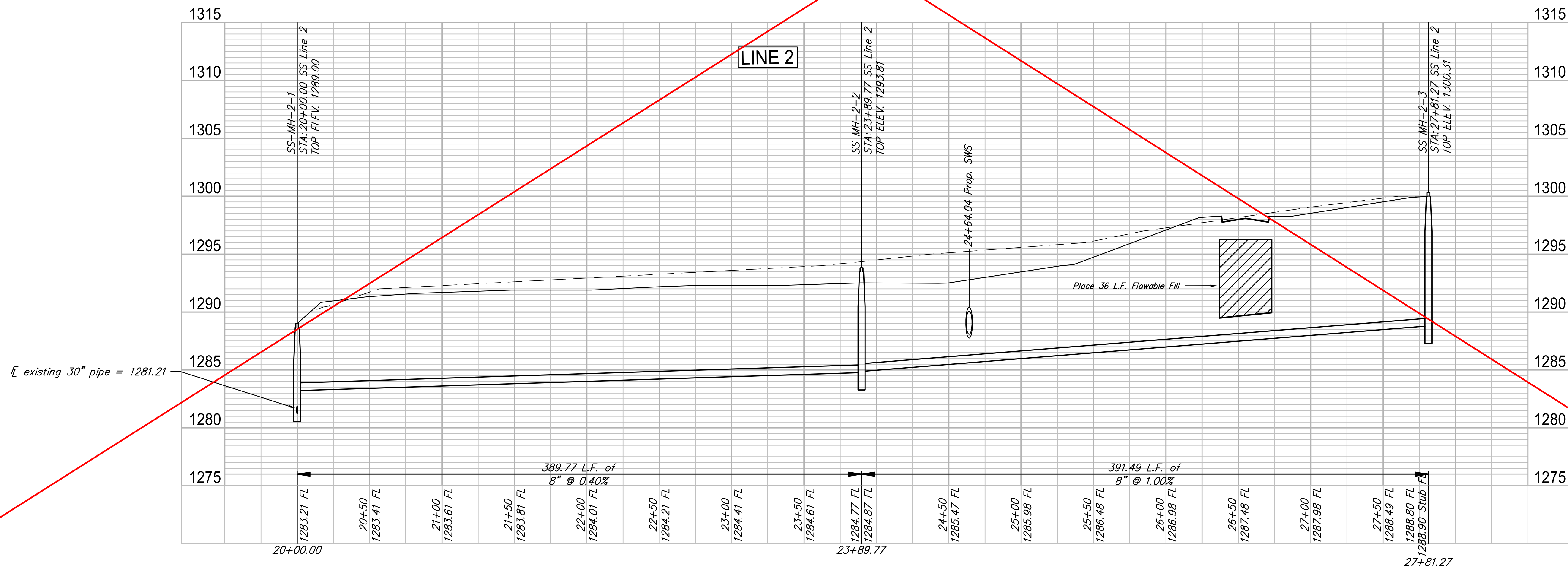
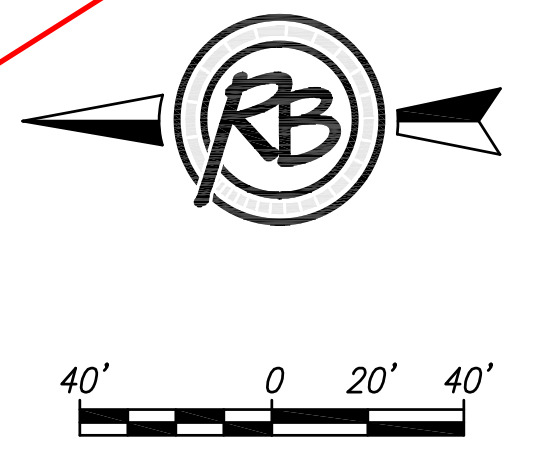
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REVIEW	###	###
DATE		

RB JOB SHEET 4545E
 SHEET 4 OF 17



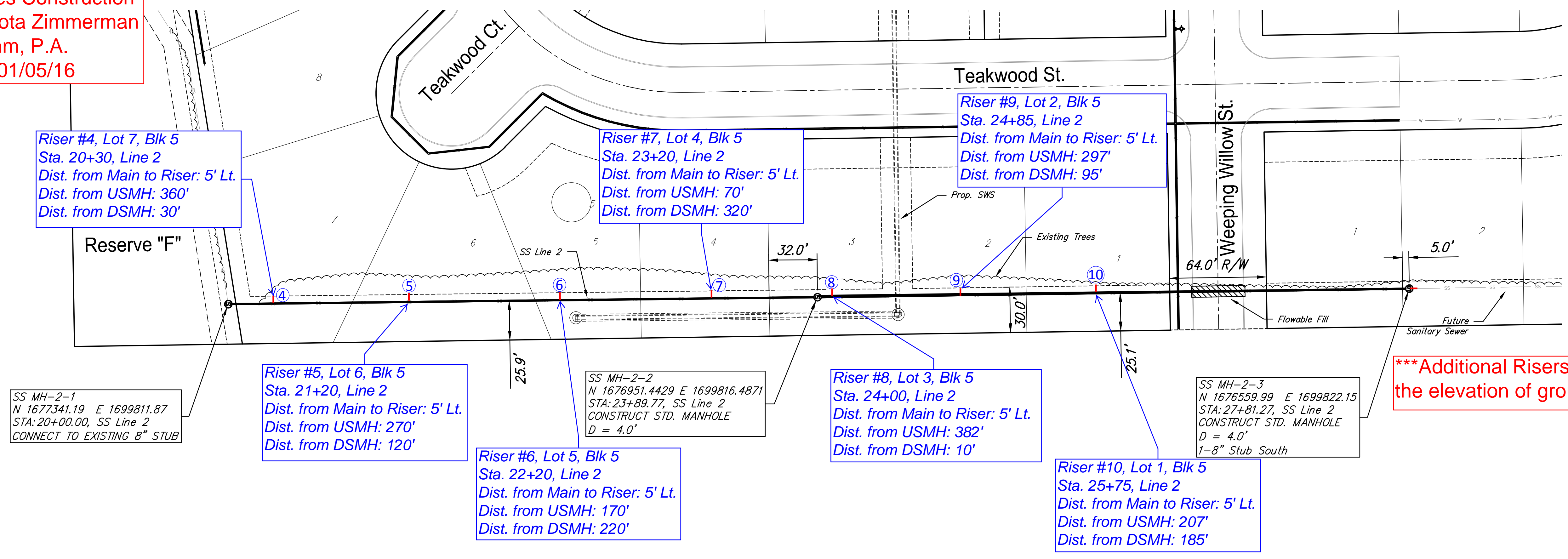
See as-built plan sheet 4

UNPLATTED



PROJECT NUMBER: 4545E
 SHEET: 4 OF 17
 DESIGN: KWL
 DRAWN: CDJ
 PROJECT NAME: Whispering Lakes Estates Phase 4
 SS Line 2
 Wichita, KS
 REVIEW: ###
 DATE: ###

As Built Plans
 Contractor: Mies Construction
 Inspector: Dakota Zimmerman
 Ruggles & Bohm, P.A.
 PDF By: DGZ 01/05/16



Riser #4, Lot 7, Blk 5
 Sta. 20+30, Line 2
 Dist. from Main to Riser: 5' Lt.
 Dist. from USMH: 360'
 Dist. from DSMH: 30'

Riser #7, Lot 4, Blk 5
 Sta. 23+20, Line 2
 Dist. from Main to Riser: 5' Lt.
 Dist. from USMH: 70'
 Dist. from DSMH: 320'

Riser #9, Lot 2, Blk 5
 Sta. 24+85, Line 2
 Dist. from Main to Riser: 5' Lt.
 Dist. from USMH: 297'
 Dist. from DSMH: 95'

SS MH-2-1
 N 1677341.19 E 1699811.87
 STA: 20+00.00, SS Line 2
 CONNECT TO EXISTING 8" STUB

Riser #5, Lot 6, Blk 5
 Sta. 21+20, Line 2
 Dist. from Main to Riser: 5' Lt.
 Dist. from USMH: 270'
 Dist. from DSMH: 120'

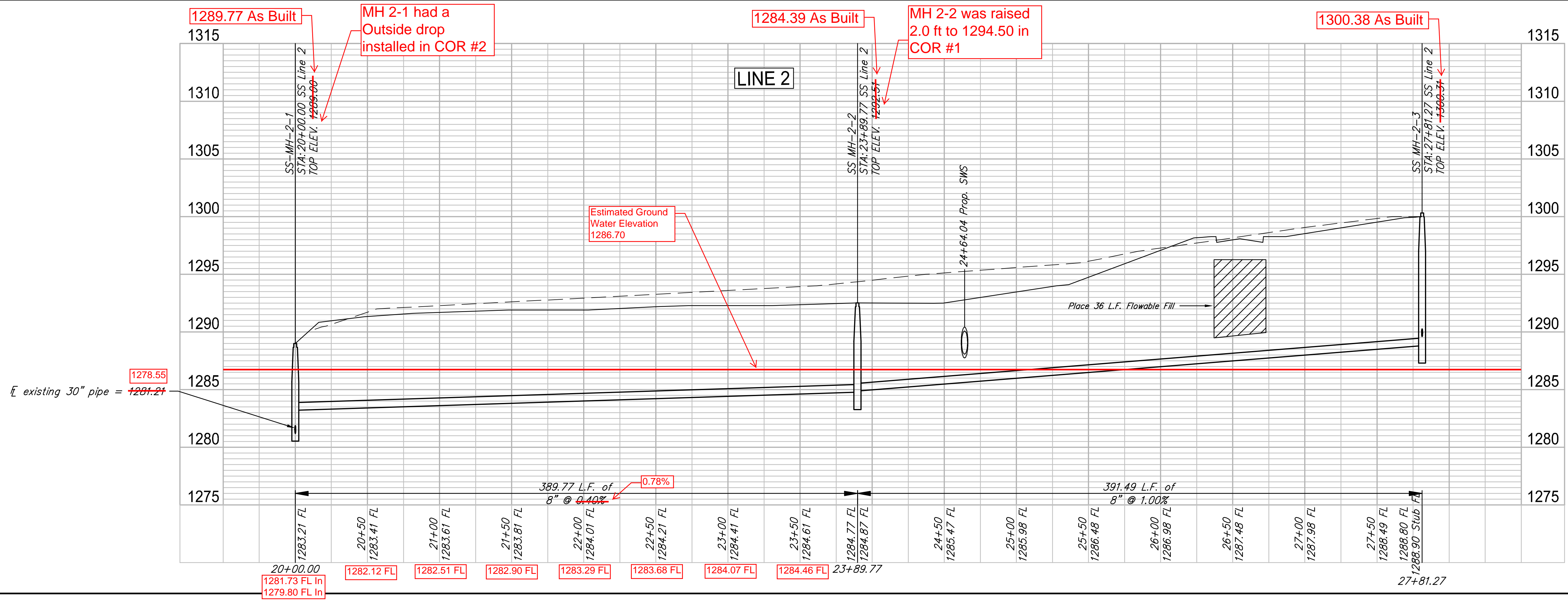
SS MH-2-2
 N 1676951.4429 E 1699816.4871
 STA: 23+89.77, SS Line 2
 CONSTRUCT STD. MANHOLE
 D = 4.0'

Riser #8, Lot 3, Blk 5
 Sta. 24+00, Line 2
 Dist. from Main to Riser: 5' Lt.
 Dist. from USMH: 382'
 Dist. from DSMH: 10'

SS MH-2-3
 N 1676559.99 E 1699822.15
 STA: 27+81.27, SS Line 2
 CONSTRUCT STD. MANHOLE
 D = 4.0'
 1-8" Stub South

Riser #10, Lot 1, Blk 5
 Sta. 25+75, Line 2
 Dist. from Main to Riser: 5' Lt.
 Dist. from USMH: 207'
 Dist. from DSMH: 185'

Additional Risers were installed per COR #2 due to the elevation of ground water.

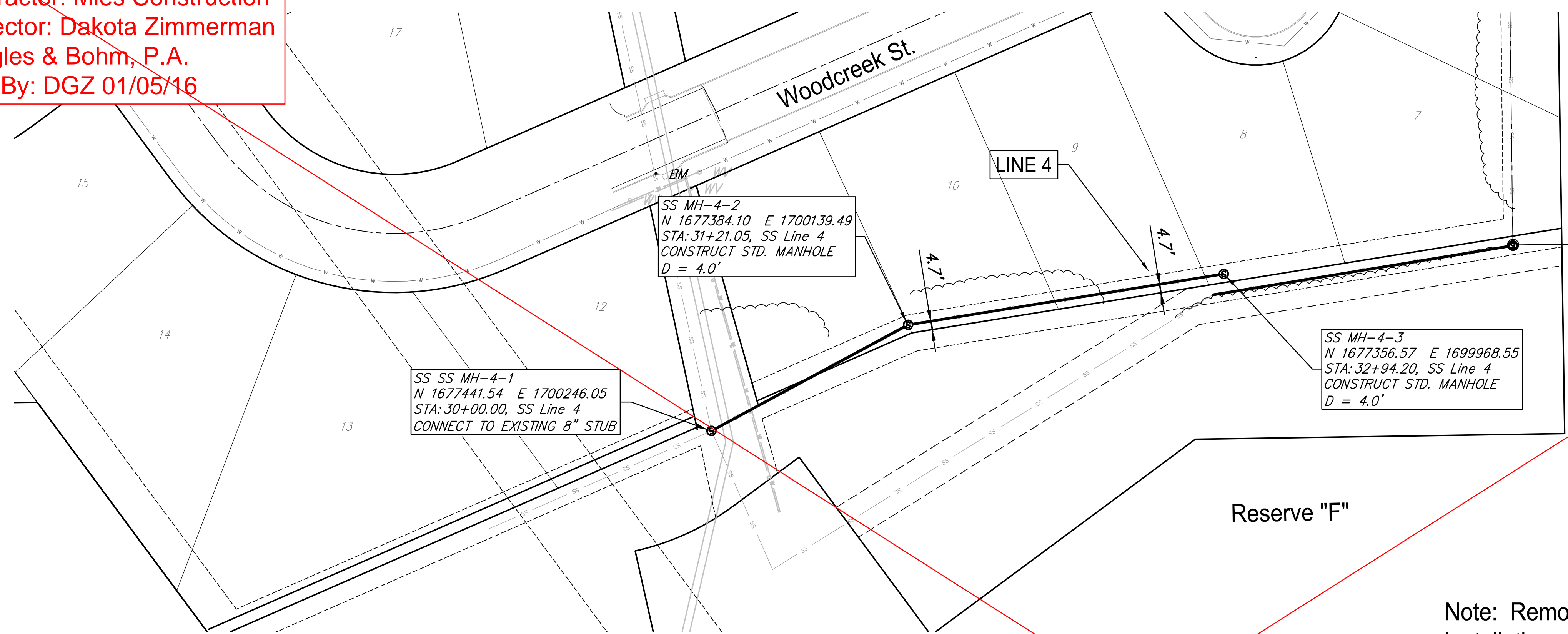


Whispering Lakes Estates Phase 4
 SS Line 2
 Wichita, KS

DESIGN	KWL	CDJ
PROJECT NUMBER	###	###
DRAWING FILE	04-Sanitary 02	
REVIEW	###	###
DATE		

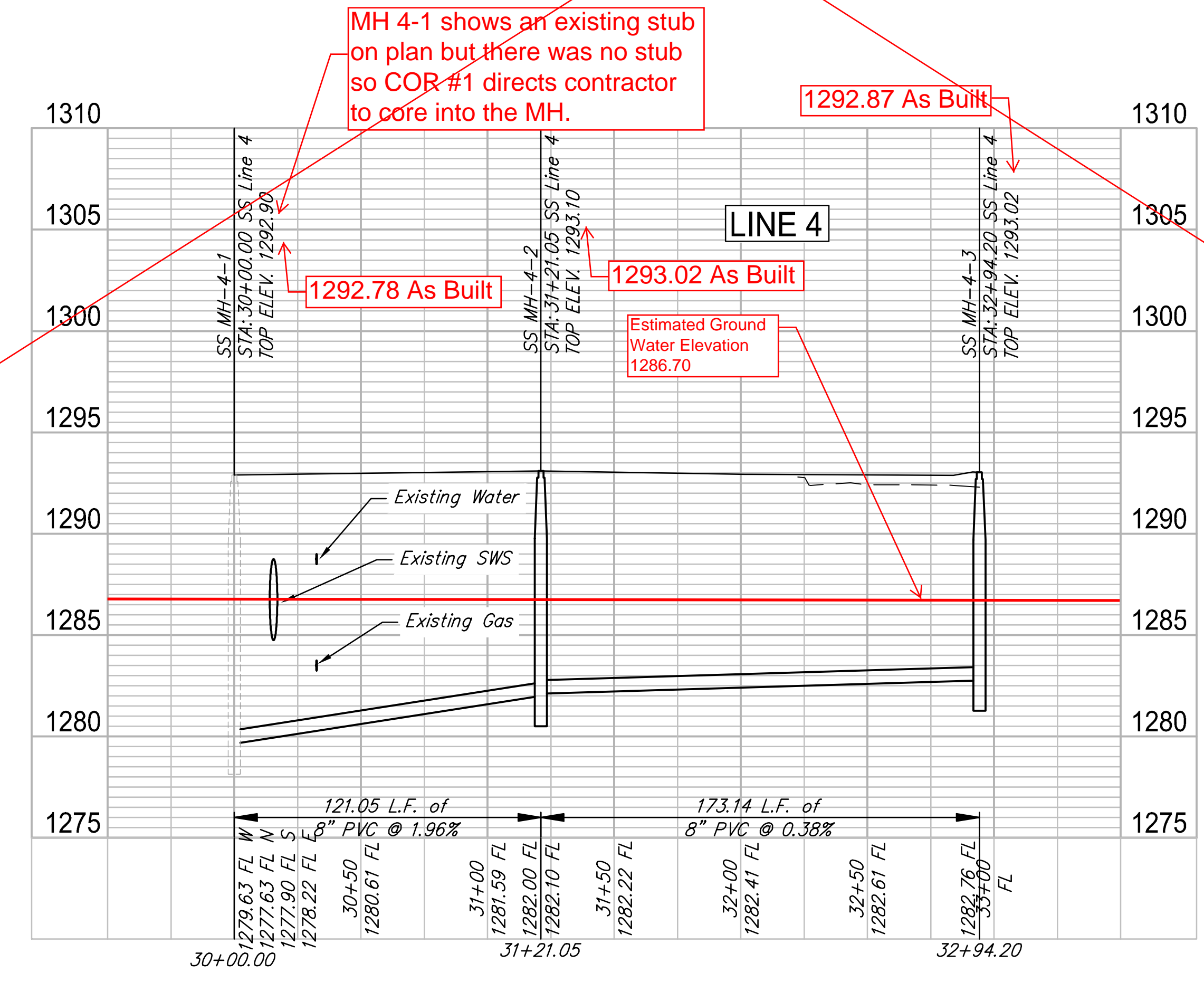
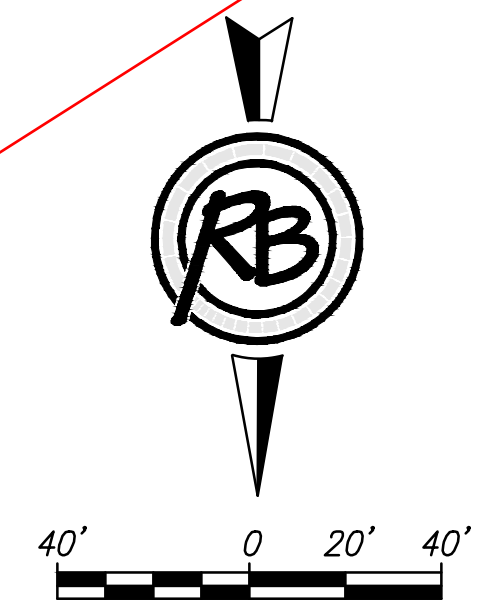
RB JOB SHEET 4 OF 17

As Built Plans
 Contractor: Mies Construction
 Inspector: Dakota Zimmerman
 Ruggles & Bohm, P.A.
 PDF By: DGZ 01/05/16



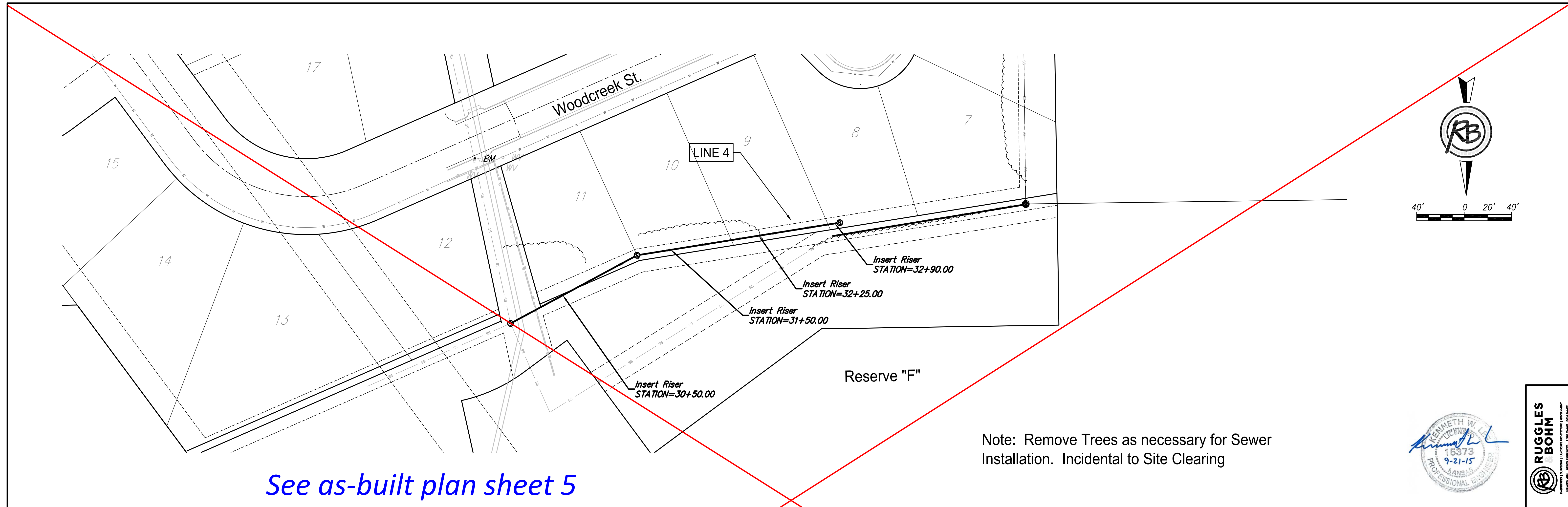
See as-built plan sheet 5

Note: Remove Trees as necessary for Sewer Installation. Incidental to Site Clearing



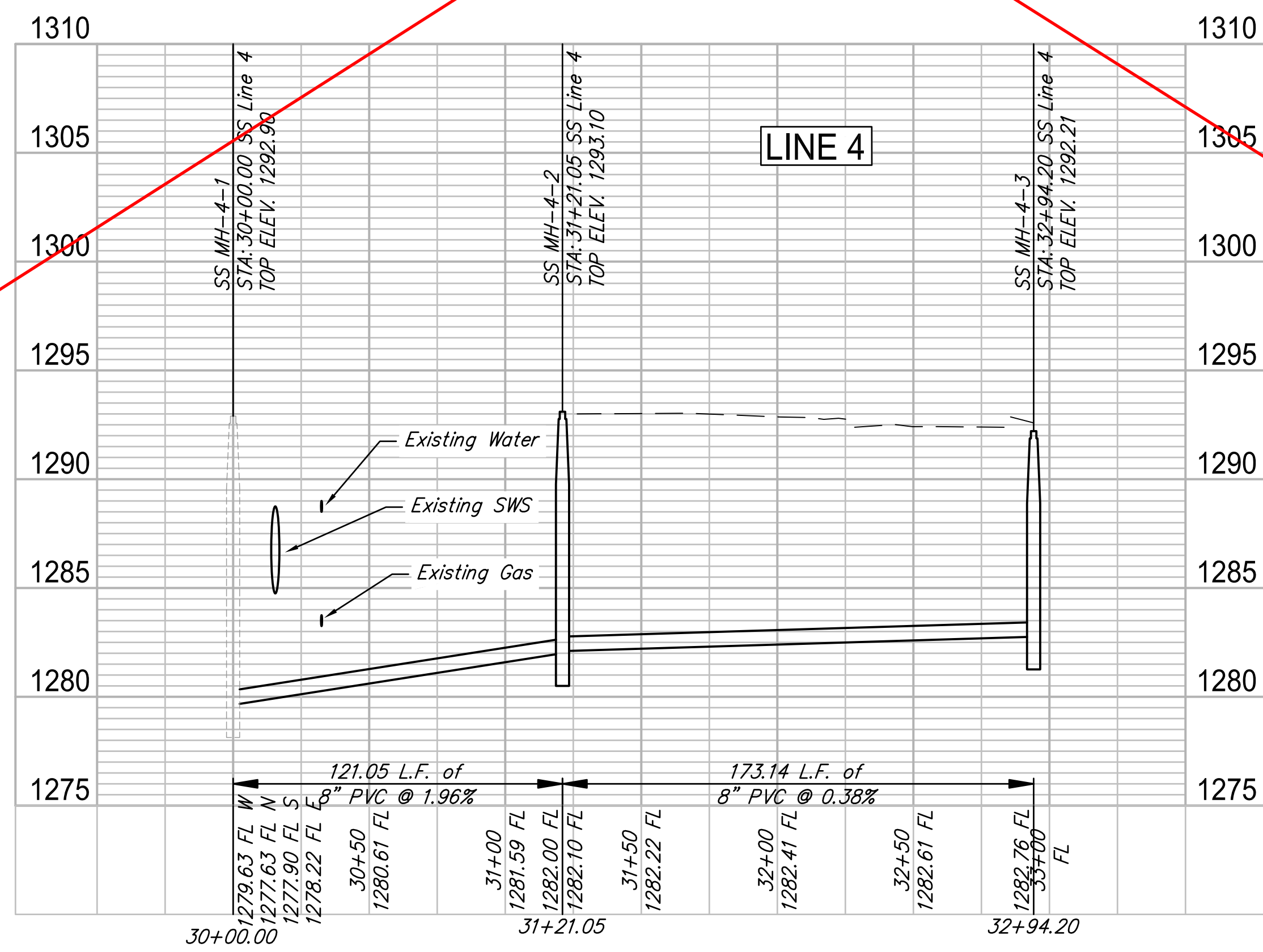
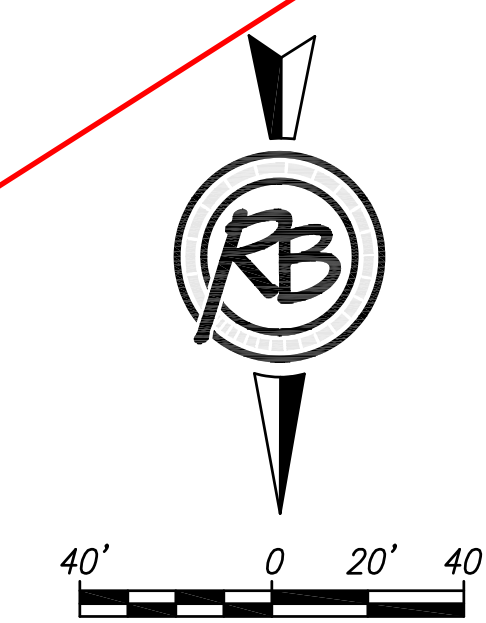
MH 4-1 shows an existing stub on plan but there was no stub so COR #1 directs contractor to core into the MH.

REVISION	###	###
DATE		
DESIGN	KWL	CDJ
PROJECT NUMBER	####	05-Summary 04
DRAWING FILE		
Whispering Lakes Estates Phase 4		
SS Line 4		
Wichita, KS		
RB JOB	4545E	
SHEET	5	OF 17



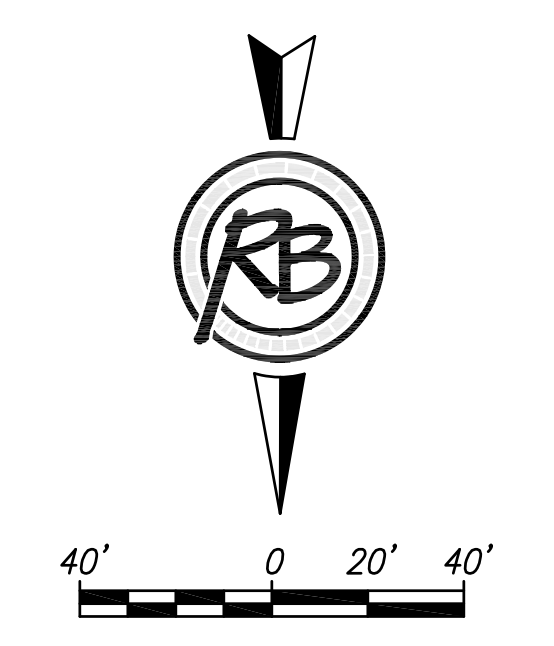
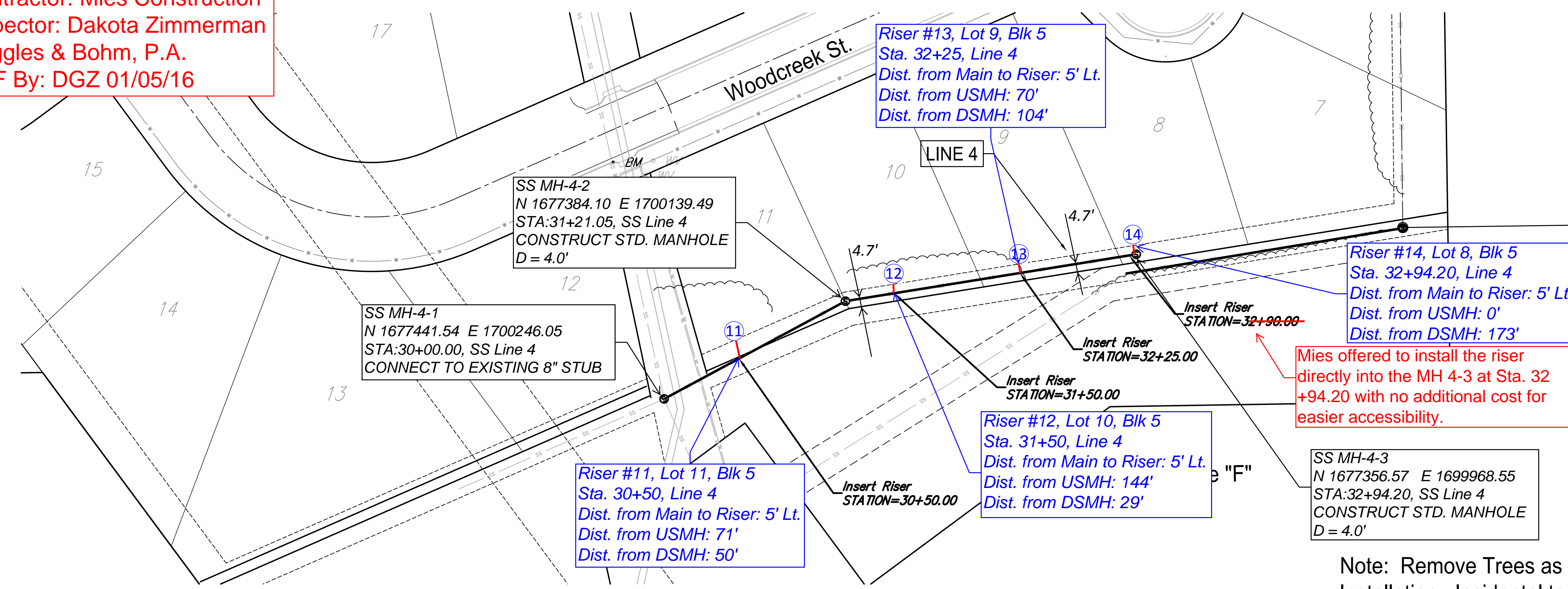
See as-built plan sheet 5

Note: Remove Trees as necessary for Sewer Installation. Incidental to Site Clearing



REVIEW	###	DATE	###
DESIGN	KWL	DRAWN	CDJ
PROJECT NUMBER	###	DRAWING FILE	05-Sanitary 04
Whispering Lakes Estates Phase 4			
SS Line 4			
Wichita, KS			
RB JOB	4545E		
SHEET	5		
	17		

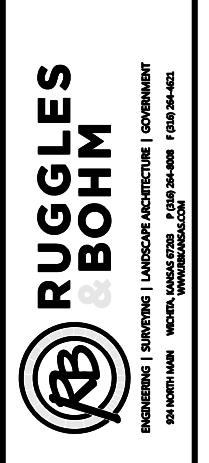
As Built Plans
 Contractor: Mies Construction
 Inspector: Dakota Zimmerman
 Ruggles & Bohm, P.A.
 PDF By: DGZ 01/05/16



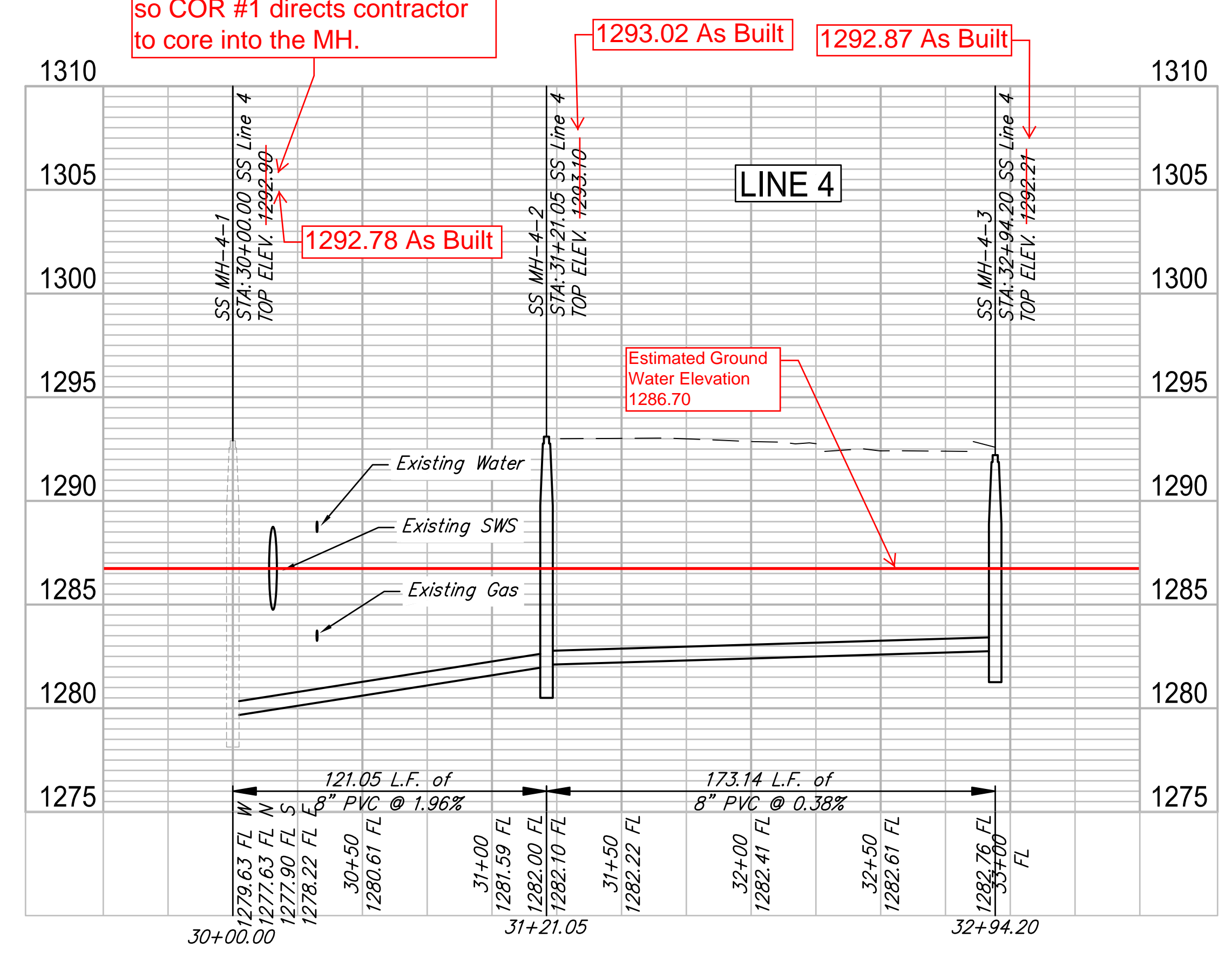
Additional Risers were installed per COR #2 due to the high elevation of ground water.

Mies offered to install the riser directly into the MH 4-3 at Sta. 32+94.20 with no additional cost for easier accessibility.

Note: Remove Trees as necessary for Sewer Installation. Incidental to Site Clearing



MH 4-1 shows an existing stub on plan but there was no stub so COR #1 directs contractor to core into the MH.

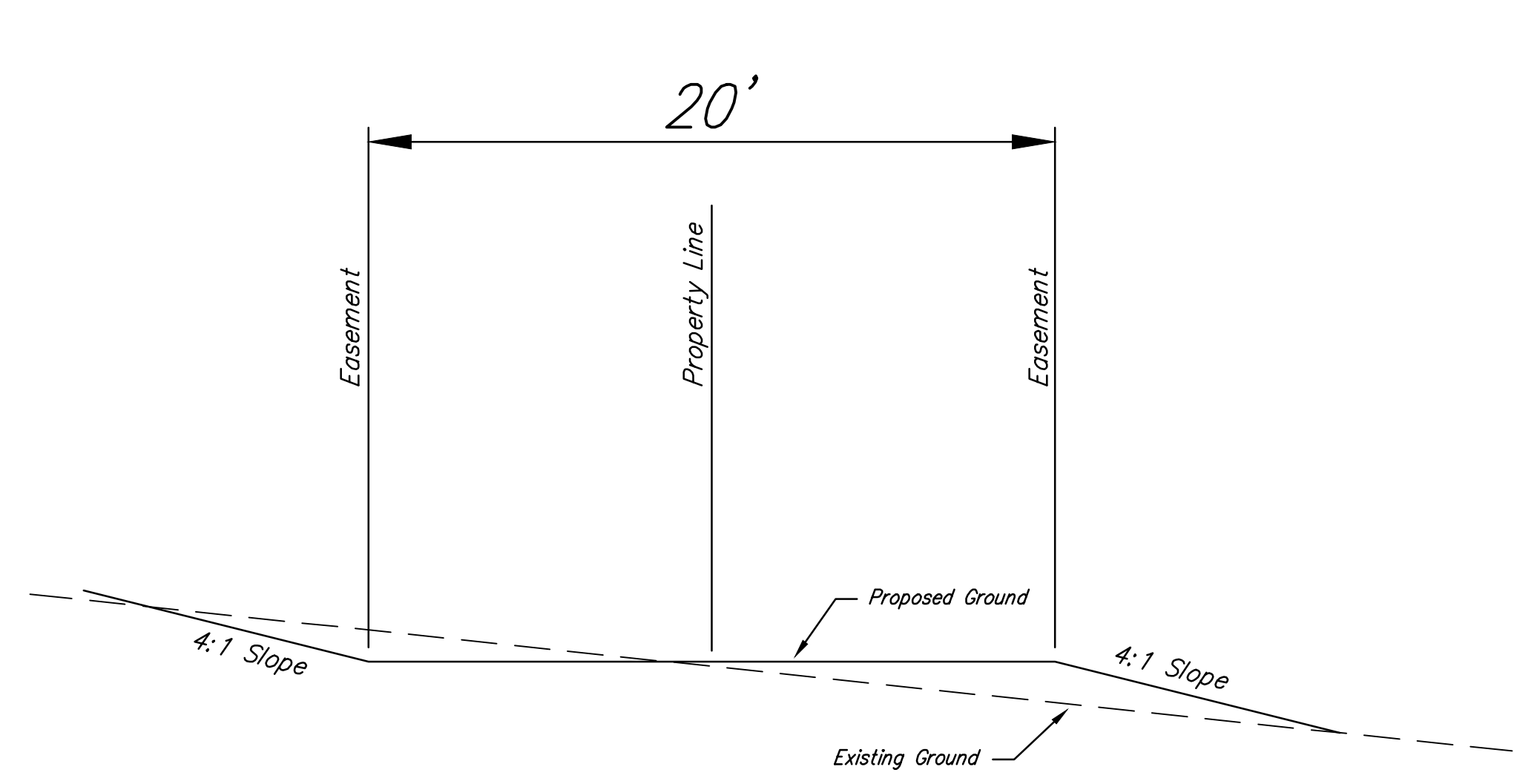
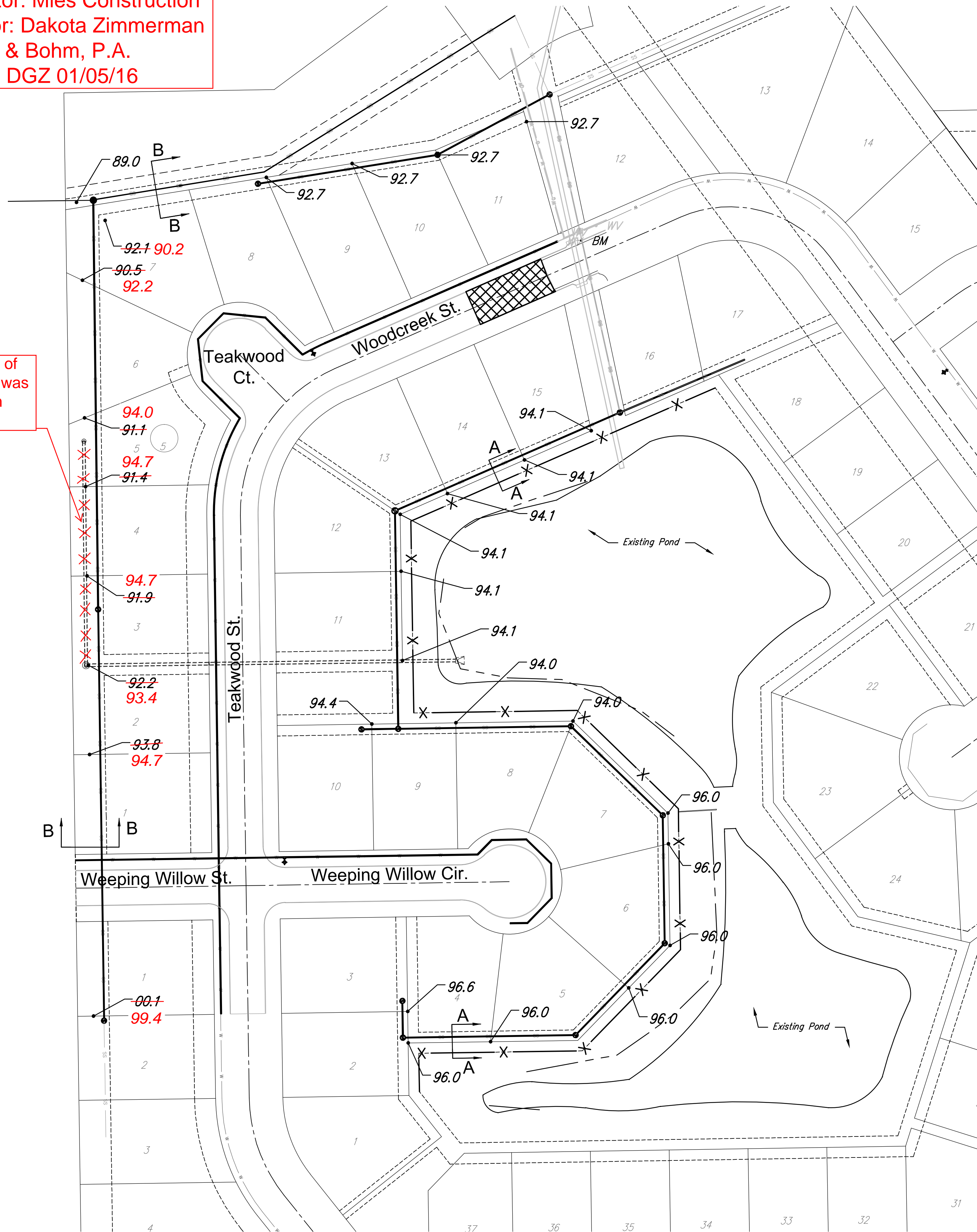


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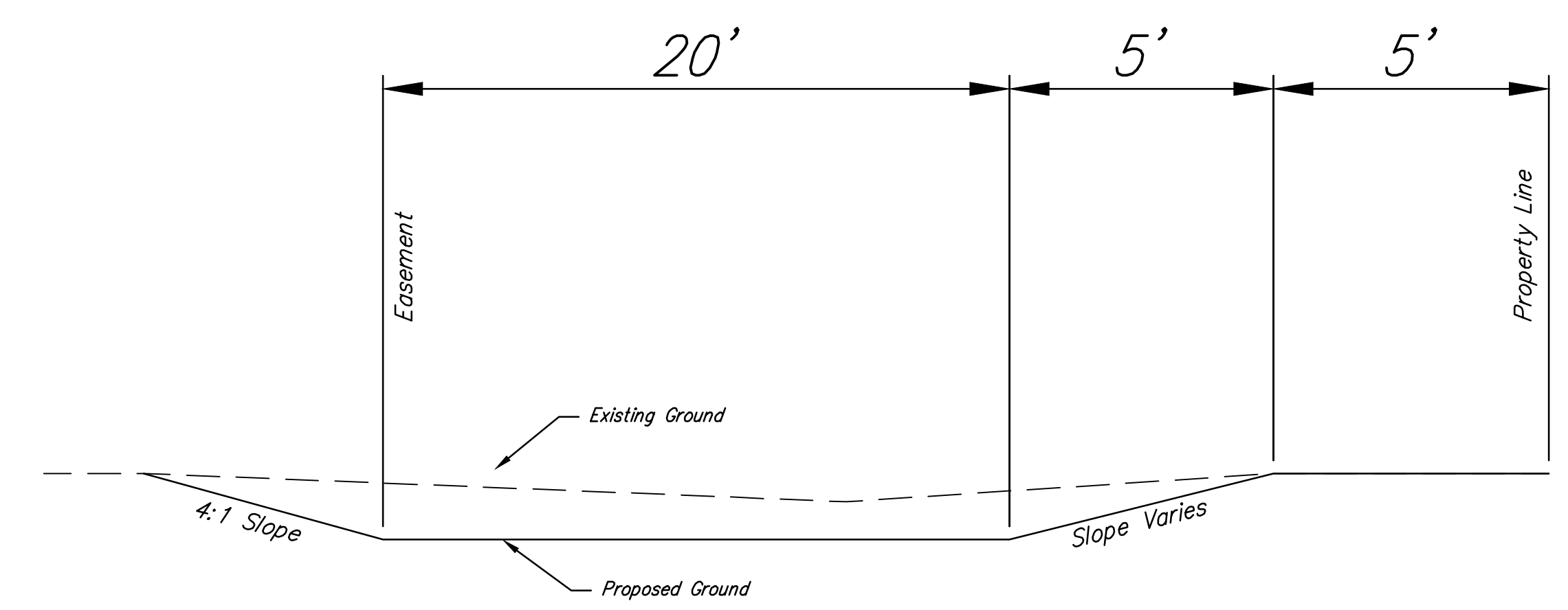
Whispering Lakes Estates Phase 4
 SS Line 4
 Wichita, KS

As Built Plans
 Contractor: Mies Construction
 Inspector: Dakota Zimmerman
 Ruggles & Bohm, P.A.
 PDF By: DGZ 01/05/16

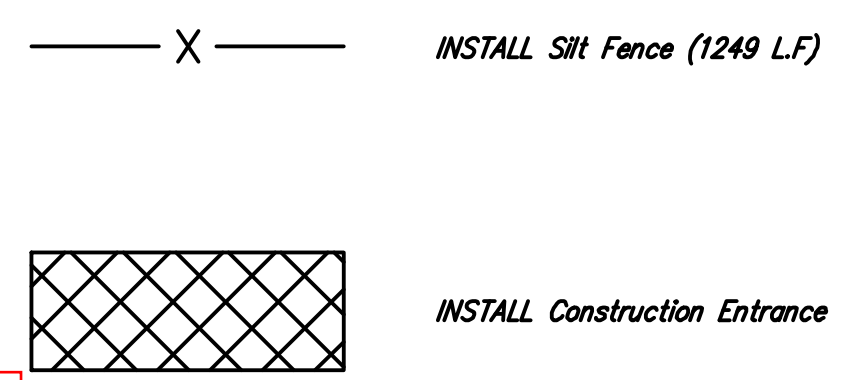
This segment of Storm Sewer was removed from design.



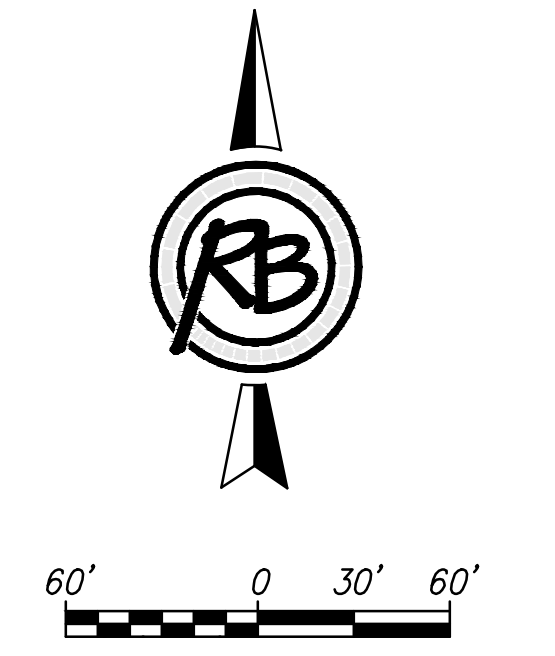
Easement Grading A-A



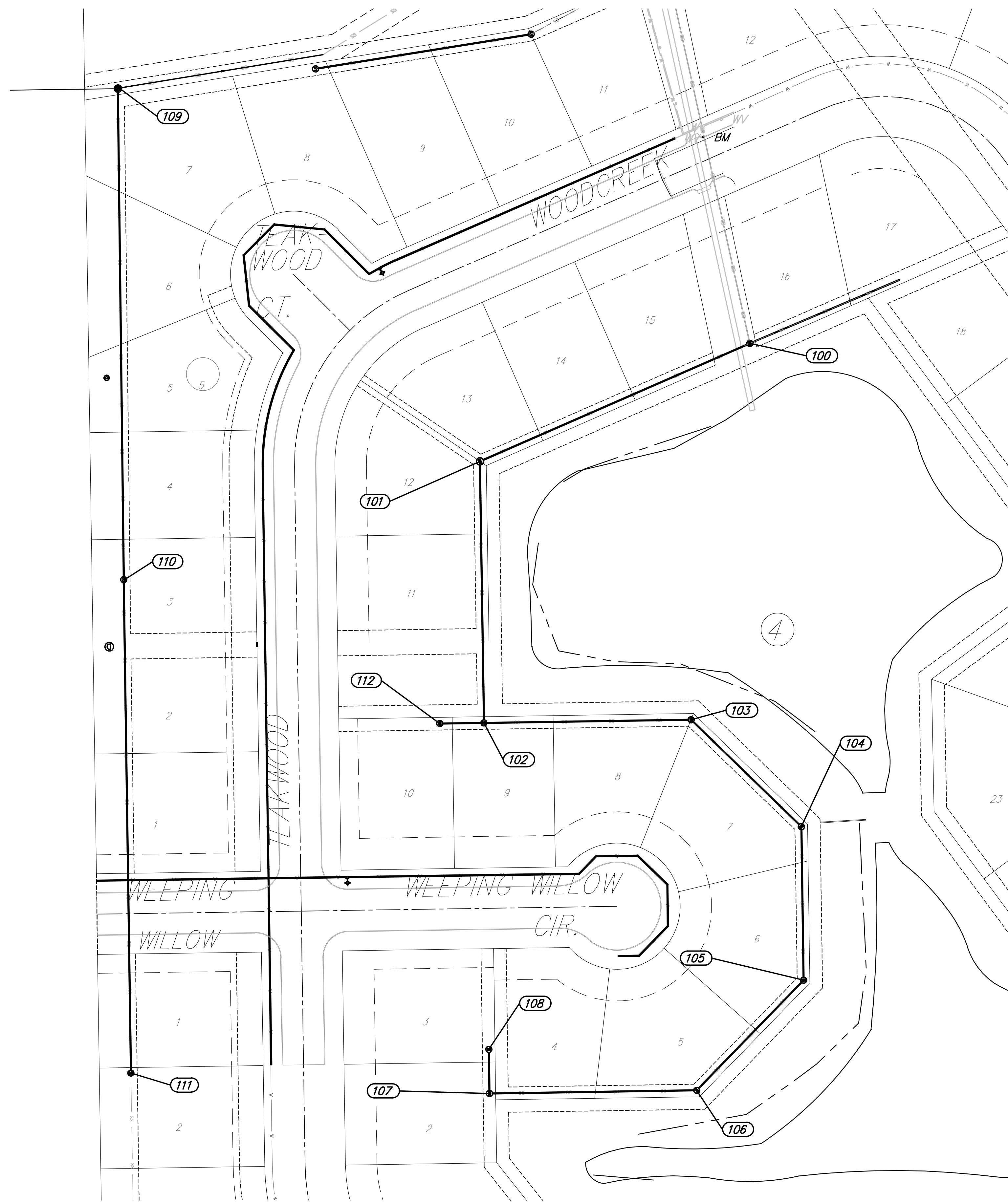
Easement Grading B-B



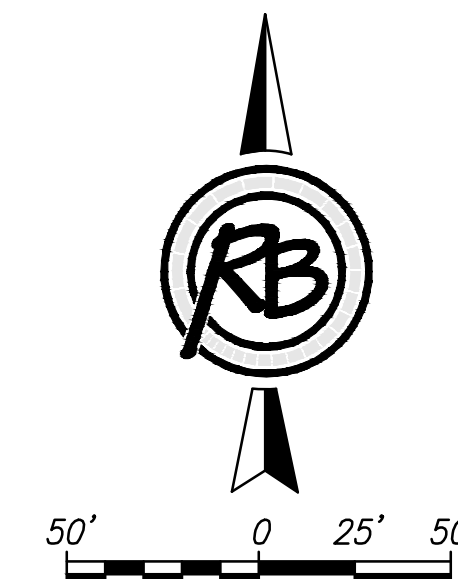
Original Plan Quantities
 Cut: 1218 cy
 Fill: 10 cy
 Revised Plan Quantities
 Cut: 789 cy
 Fill: 100 cy
 Grades were revised to provide 1.5% across the back of the lots which resulted in raising MH 2-2, 2.0 ft.
 Ken Lee, Ruggles & Bohm, P.A.
 Date of Revision: 12/01/15



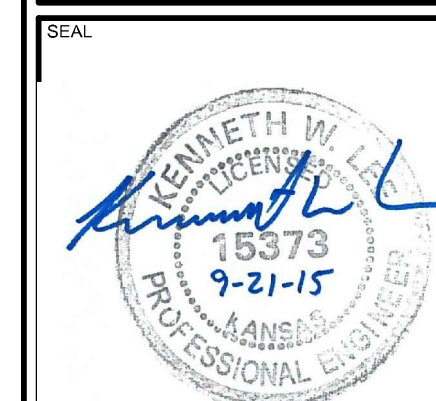
Whispering Lakes Estates Phase 4			
Easement Grading & Erosion Plan			
	RUGGLES & BOHM		DATE ###/###/###
	<small>ENGINEERING SURVEYING LANDSCAPE ARCHITECTURE GOVERNMENT</small> <small>924 NORTH MAIN WICHITA, KANSAS 67208 P (316) 264-8008 F (316) 264-4021 WWW.RB-KANSAS.COM</small>		DESIGN CDJ
PROJECT NUMBER 744400	RB JOB NO. 4545E	DWG. SCALE 60	DRAWN CDJ
DRAWING FILE 08-Erosion Control Plan [Easement Grading & Erosion Plan]			REVIEW 8/17/15
			SHEET 9
			OF 17



Point Table			
Point #	Northing	Easting	Description
100	1677138.89	1700312.61	MH-1
101	1677045.25	1700098.93	MH-1-1
102	1676837.77	1700102.07	MH-1-2
103	1676840.26	1700266.36	MH-1-3
104	1676755.46	1700353.76	MH-1-4
105	1676633.69	1700355.60	MH-1-5
106	1676546.29	1700270.80	MH-1-6
107	1676543.81	1700106.51	MH-1-7
108	1676578.80	1700105.98	MH-1-8
109	1677341.43	1699812.84	MH-2-1
110	1676951.45	1699817.23	MH-2-2
111	1676559.99	1699822.48	MH-2-3
112	1676837.25	1700067.07	MH-3-1



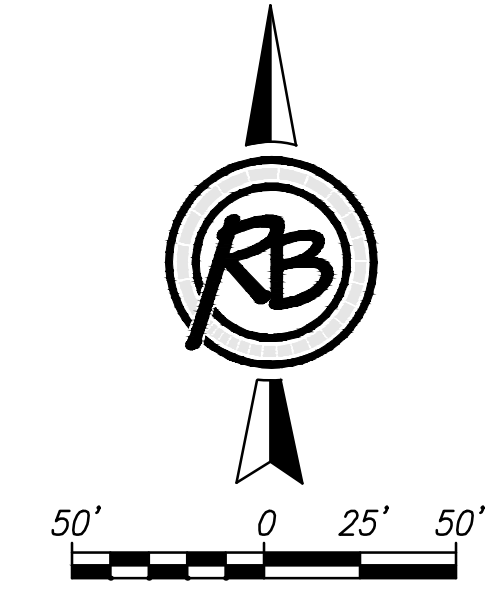
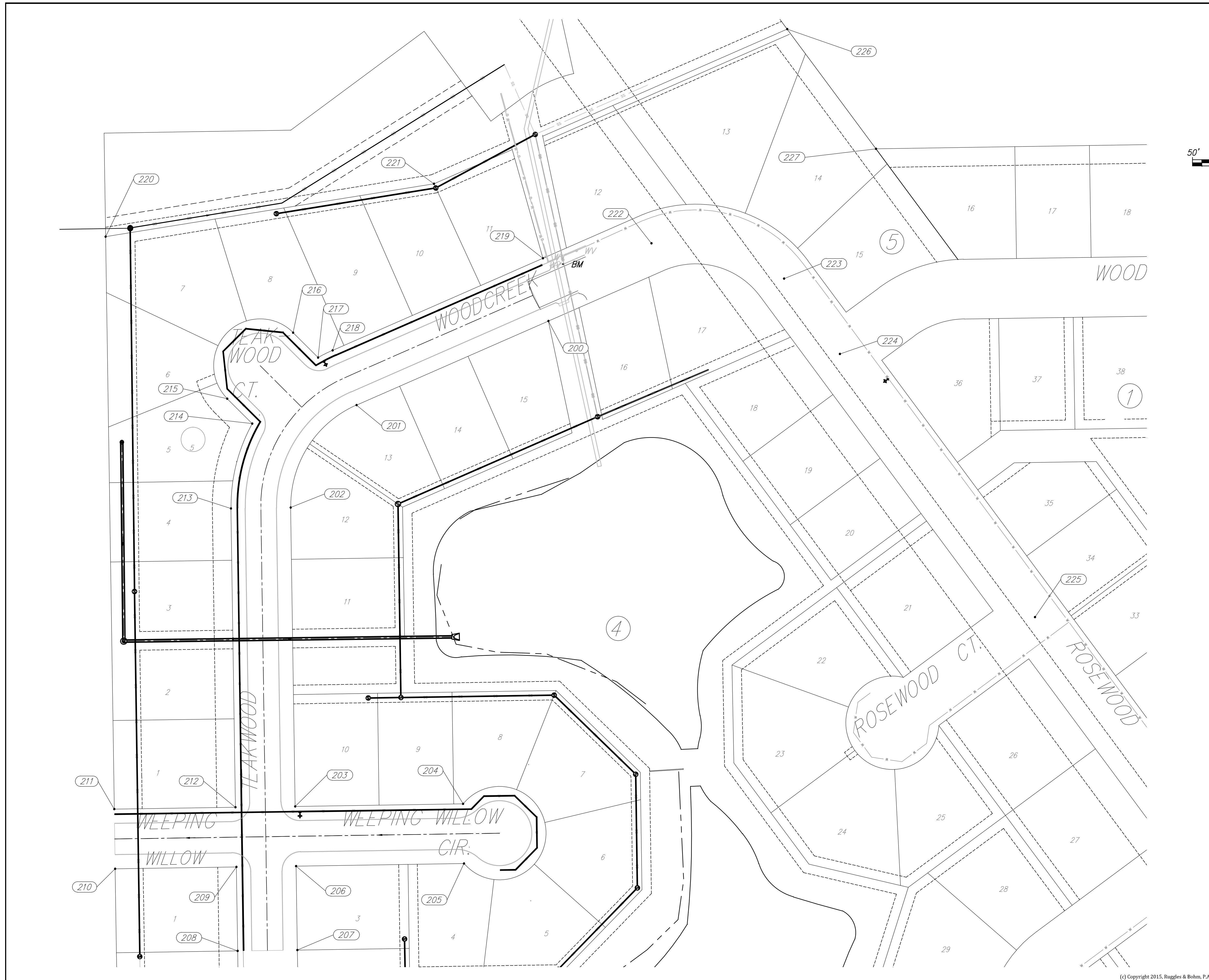
**Whispering Lakes Estates Phase 4
SS Coordinate Map**



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PROJECT NUMBER 744400	RB JOB NO. 4545E	DWG. SCALE 50
DRAWING FILE 14-Coordinate Map [SS Coordinate Map]		

DATE ###
DESIGN CDJ
DRAWN CDJ
REVIEW CDJ
SHEET 15
OF 17



Point Table

Point #	Northing	Easting	Description
200	1677241.40	1700260.20	RES COR
201	1677151.29	1700054.55	RES PC
202	1677041.44	1699983.91	RES PT
203	1676720.97	1699988.74	RES PI
204	1676723.68	1700168.72	RES PI
205	1676659.68	1700169.68	RES PI
206	1676566.97	1699989.70	RES PI
207	1676566.98	1699991.06	RES COR
208	1676566.02	1699927.07	RES COR
209	1676656.01	1699925.71	RES PI
210	1676654.05	1699795.73	RES COR
211	1676718.05	1699794.76	RES COR
212	1676720.00	1699924.75	RES PI
213	1677040.47	1699919.92	RES PC
214	1677131.39	1699942.69	RES PI
215	1677158.14	1699915.86	RES PC
216	1677228.95	1699986.48	RES PT
217	1677202.19	1700013.30	RES PI
218	1677209.91	1700028.86	RES PT
219	1677308.69	1700254.31	RES COR
220	1677331.84	1699785.52	ADD CNR
221	1677388.52	1700137.49	ADD CNR
222	1677324.74	1700370.68	MN
223	1677286.92	1700512.84	MN
224	1677206.11	1700572.73	MN
225	1676924.00	1700781.79	MN
226	1677554.45	1700516.21	ADD CNR
227	1677426.03	1700611.38	ADD CNR

**Whispering Lakes Estates Phase 4
Addition Bubble Map**

	<p>RUGGLES & BOHM</p> <p>ENGINEERING SURVEYING LANDSCAPE ARCHITECTURE GOVERNMENT</p> <p>824 NORTH MAIN WICHITA, KANSAS 67203 P (316) 264-8008 F (316) 264-4021 WWW.RKANSAS.COM</p>	<p>DATE ###</p> <p>DESIGN CDJ</p> <p>DRAWN CDJ</p> <p>REVIEW 8/17/15</p>
	<p>PROJECT NUMBER 744400</p> <p>DRAWING FILE 15-Addition Bubble Map [Addition Bubble Map]</p>	<p>RB JOB NO. 4545E</p> <p>DWG. SCALE 50</p>