

SANITARY SEWER EXTENSION

to serve

EMERALD BAY 4TH, PHASE 2

CITY OF WICHITA, KANSAS

Gary Janzen, P.E. City Engineer

Project Number 468-2019-007807

O.C.A. NO. 744518

As-Builts

GENERAL NOTES:

- The Contractor shall comply with all applicable safety regulations. All construction shall be completed following current City Standard Specifications and Special Provisions.
- Contractor will be required to provide notice to utility companies a minimum of seventy-two (72) hours prior to any excavation, as follows:

Kansas One-Call 687-2470

The Contractor must notify the following in case of an emergency:

AT&T 1-800-246-8464
Black Hills Energy 1-800-694-8989
City of Wichita Water & Sewer Dept. 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
Evergy 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 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.
- If traffic will be impacted by construction, a traffic control plan must be submitted and approved by the City Traffic Engineer, 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.
- All elevations shown are NAVD 88.
- All areas disturbed during construction that will not be under proposed pavement shall be restored to match existing conditions.
- 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.

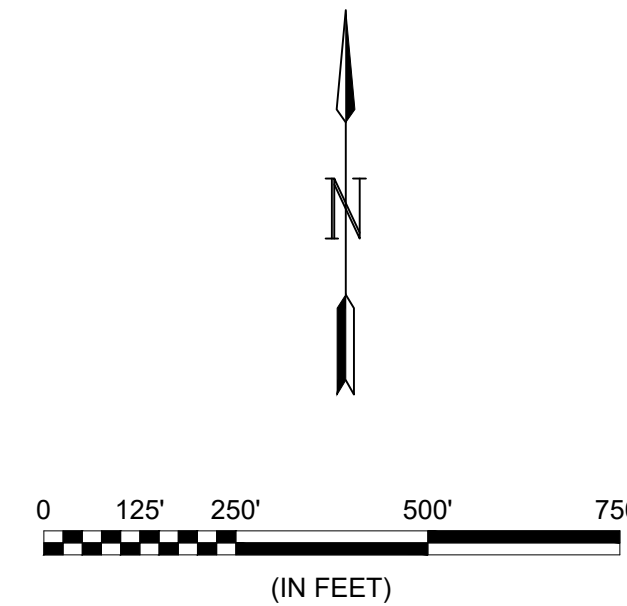
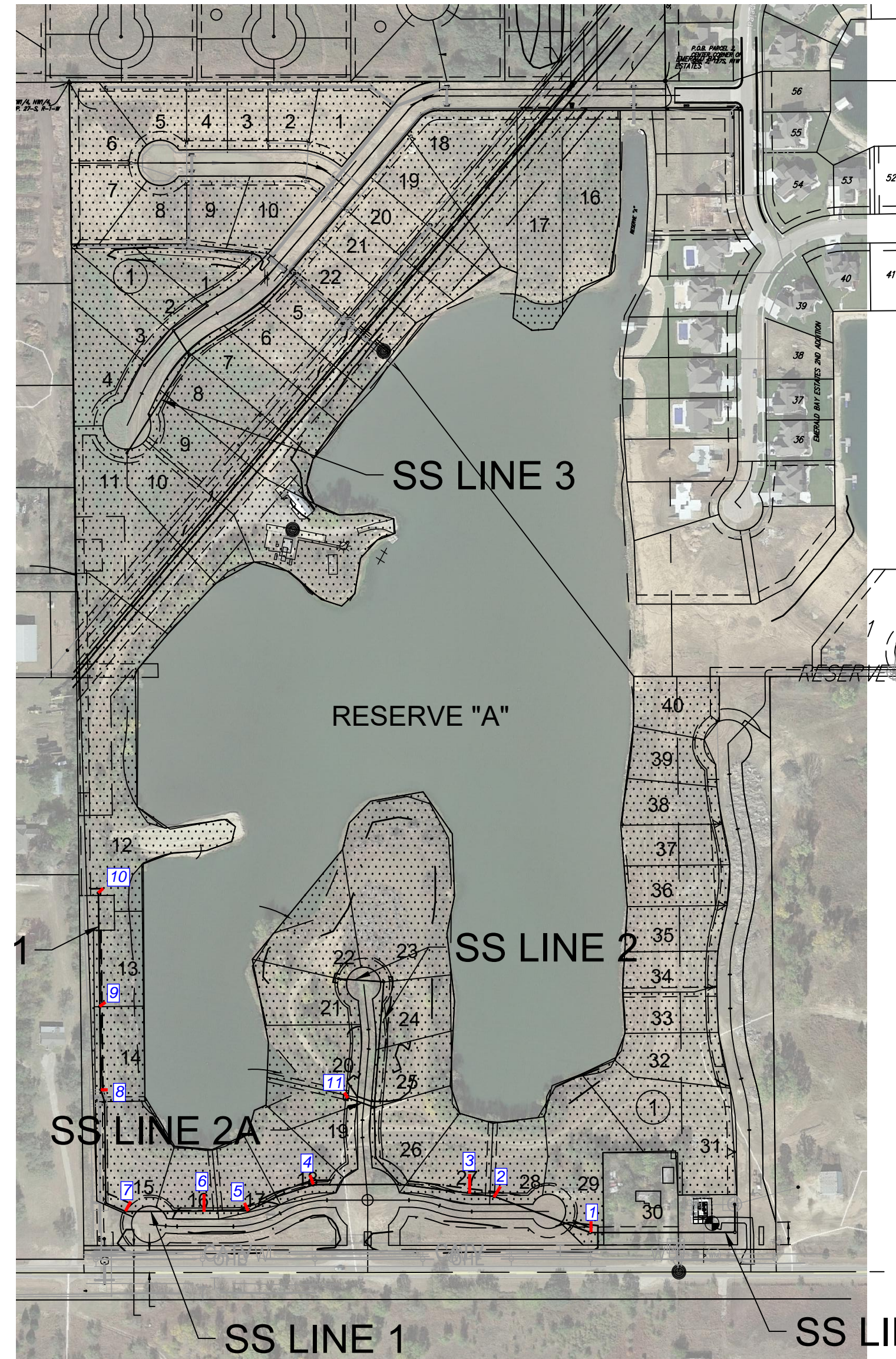
- Contractor shall limit the extent of trench openings overnight and weekends to less than 50 feet.
- All stubs and plugged pipes shall be located with green plastic tape in the same manner as risers.
- Connecting to Existing Manholes:

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 connection to an existing manhole that does not have an existing stub or the stub is unusable due to elevation grade or alignment, the Contractor shall bore 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.
- 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 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.
- Any over excavation from manhole and/or pipe removal shall be backfilled and compacted in accordance with the Standard Specifications.
- No shrink or swell factors have been applied to the earthwork quantities shown on this project. All earthwork quantities are based on raw surface volume comparisons.
- Excess dirt generated from installation of underground utilities is to remain on site and be stockpiled on Lots 10-11, Block 1, Emerald Bay 4th.
- In-situ materials may be used for Sand Backfill, Jet and Vibrate if they meet the City of Wichita's Requirements.

Benchmarks

BENCHMARK #1: CHISELED SQUARE ON SE CORNER OF CONCRETE PAD OF SANITARY SEWER LIFT STATION, 107' NORTH AND 73' EAST OF THE SOUTH ¼ CORNER OF SEC. 2, T27S, R1W, ELEVATION = 1326.88 (NAVD88, G12A)

BENCHMARK #2: CHISELED SQUARE ON SOUTH CURB OF SHORELINE STREET WEST SIDE OF INLET ACROSS FROM LOT 2, BLOCK 2 OF EMERALD BAY ESTATES 3RD ADDITION, ELEVATION = 1324.09 (NAVD88, G12A)

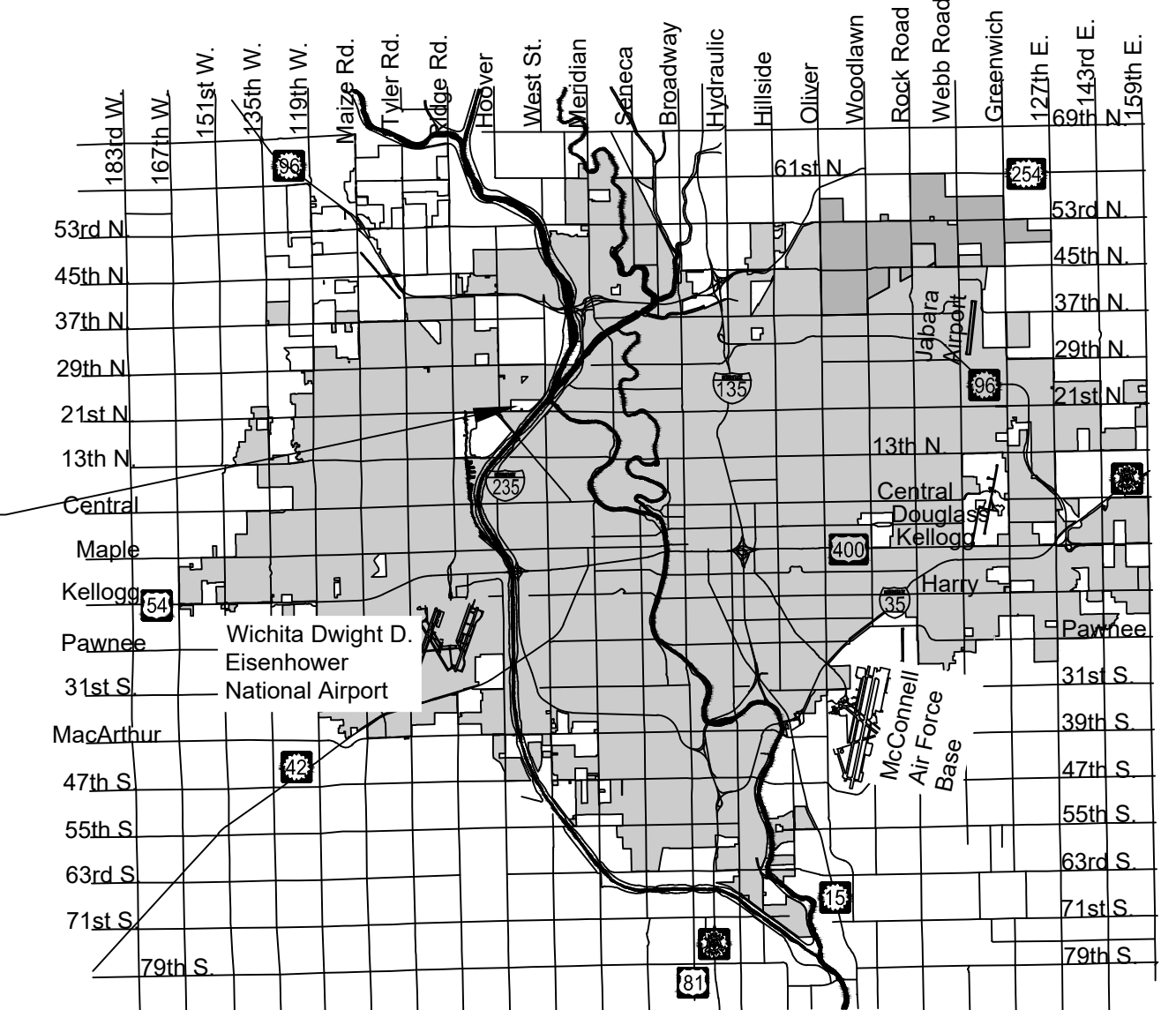


 IMPROVEMENT DISTRICT

PROJECT LOCATION

Dondlinger - Contractor
B. Woods - City of Wichita, Field Project Engineer
P. Herman - Garver, Inspector
As-Built
Stubs & Risers
Release Date (for connection purposes only): 1/14/2021
Completion Date:
pdf: apr 7/27/2021

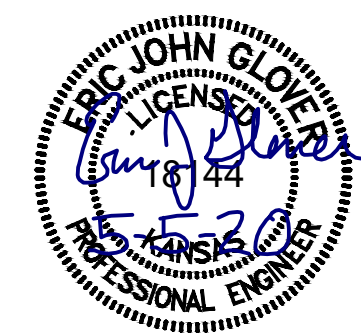
Manhole numbers and basin data on next page



Vicinity Map

Sheet List

Sheet	Title
1	COVERSHEET
2	SS LINE 1 (1 of 3)
3	SS LINE 1 (2 of 3)
4	SS LINE 1 (3 of 3)
5	SS LINES 2 & 2A
6	SS LINE 3
7	SS LINES 3A & 3B
8	Pre-Cast SS MH
9	MH Frame & Cover
10	Vertical Riser
11	SS BUBBLE MAP
12	ADDITION BUBBLE - SS
13	EROSION CONTROL PLAN SOUTH-SS
14	SW-501
15	SW-502
16	SW-503
17	SW-504
18	SW-505
19	PLAT-SS



PLAN SET REVIEWED BY GARVER
Cherrish Bohm 2/14/2020
SIGNATURE DATE

MAY 2020

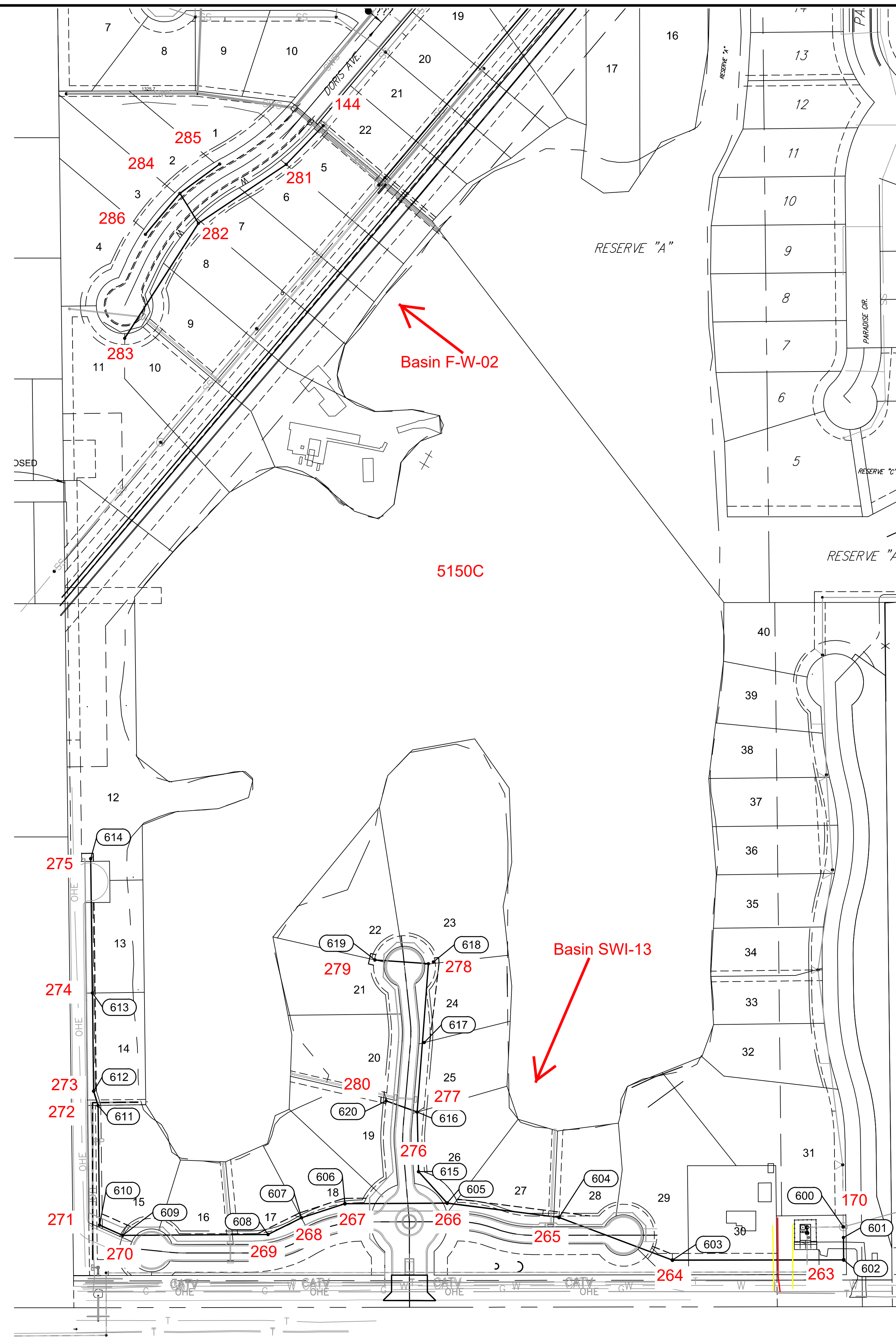
PLANS PREPARED BY



GARVER
8535 E. 21st Street N.
Suite 130
Wichita, KS 67206
(316) 264-8008
www.GarverUSA.com
Project No. 19T41016

NOTE: All coordinates listed are modified NAD83 Kansas State Plane Zone South unless otherwise noted. To convert listed coordinates to NAD83 Kansas State Plane Zone South coordinates multiply the northing and easting by the project scale factor of 0.99988251. Elevation datum is NAVD88 Geoid 12B unless otherwise noted.

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Point Table			
Point #	Northing	Easting	Description
600	1699313.94	1631111.29	MH EXIST
601	1699293.94	1631111.52	STUB
602	1699252.13	1631111.99	MH 1-1
603	1699251.72	1630791.99	MH 1-2
604	1699331.54	1630580.24	MH 1-3
605	1699358.28	1630371.13	MH 1-4
606	1699357.20	1630180.10	MH 1-5
607	1699330.88	1630099.19	MH 1-6
608	1699299.67	1630036.46	MH 1-7
609	1699298.07	1629764.95	MH 1-8
610	1699317.16	1629721.70	MH 1-9
611	1699540.35	1629718.92	MH 1-10
612	1699567.41	1629710.58	MH 1-11
613	1699750.97	1629708.29	MH 1-12
614	1700001.95	1629705.17	MH 1-13
615	1699417.00	1630317.73	MH 2-1
616	1699528.45	1630315.11	MH 2-2



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 PHASE 2 - SS

SS BUBBLE MAP

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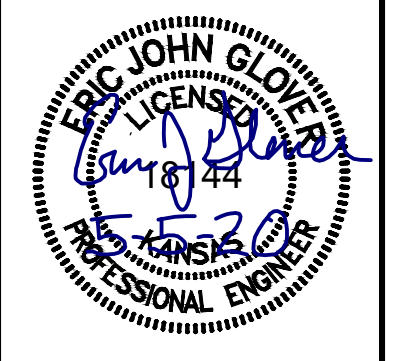
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DRAWING NUMBER



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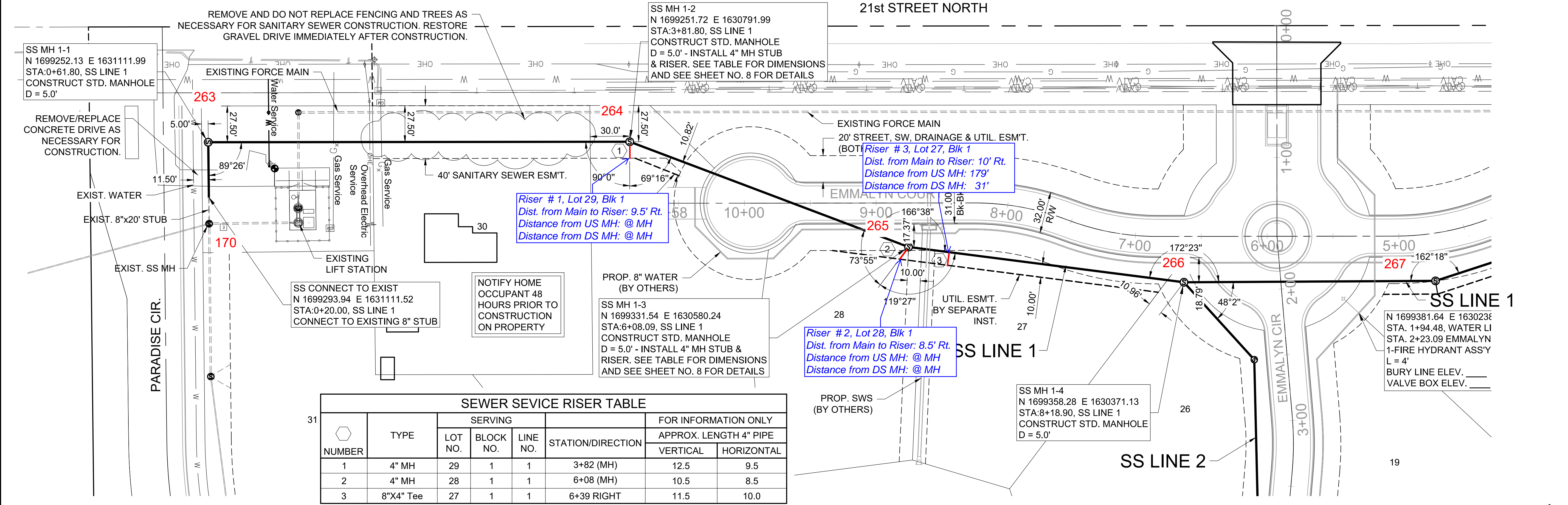
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 DESIGNED BY: EJG
 DRAWN BY: DRS

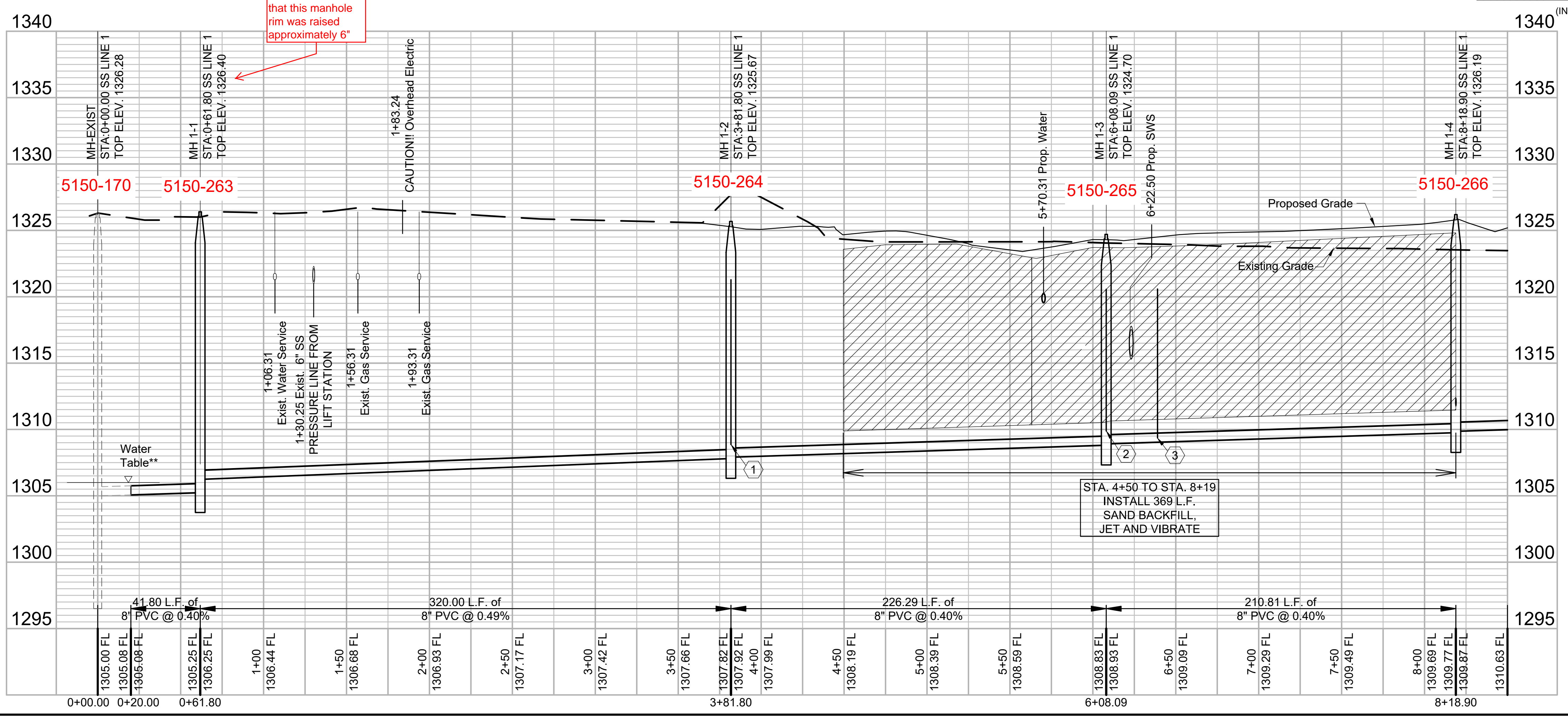
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DRAWING NUMBER

SHEET NUMBER **2** OF **19**



RISER NUMBER	TYPE	SERVING			STATION/DIRECTION	FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.		APPROX. LENGTH 4" PIPE	VERTICAL
1	4" MH	29	1	1	3+82 (MH)	12.5	9.5
2	4" MH	28	1	1	6+08 (MH)	10.5	8.5
3	8"X4" Tee	27	1	1	6+39 RIGHT	11.5	10.0



White card states that this manhole rim was raised approximately 6"

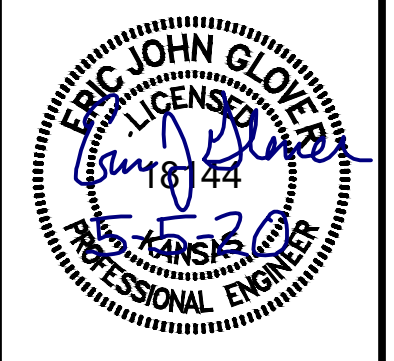
**OBSERVED GROUNDWATER ELEVATION DURING LIFT STATION PROJECT. SUBJECT TO CHANGE. (FOR INFORMATION ONLY)

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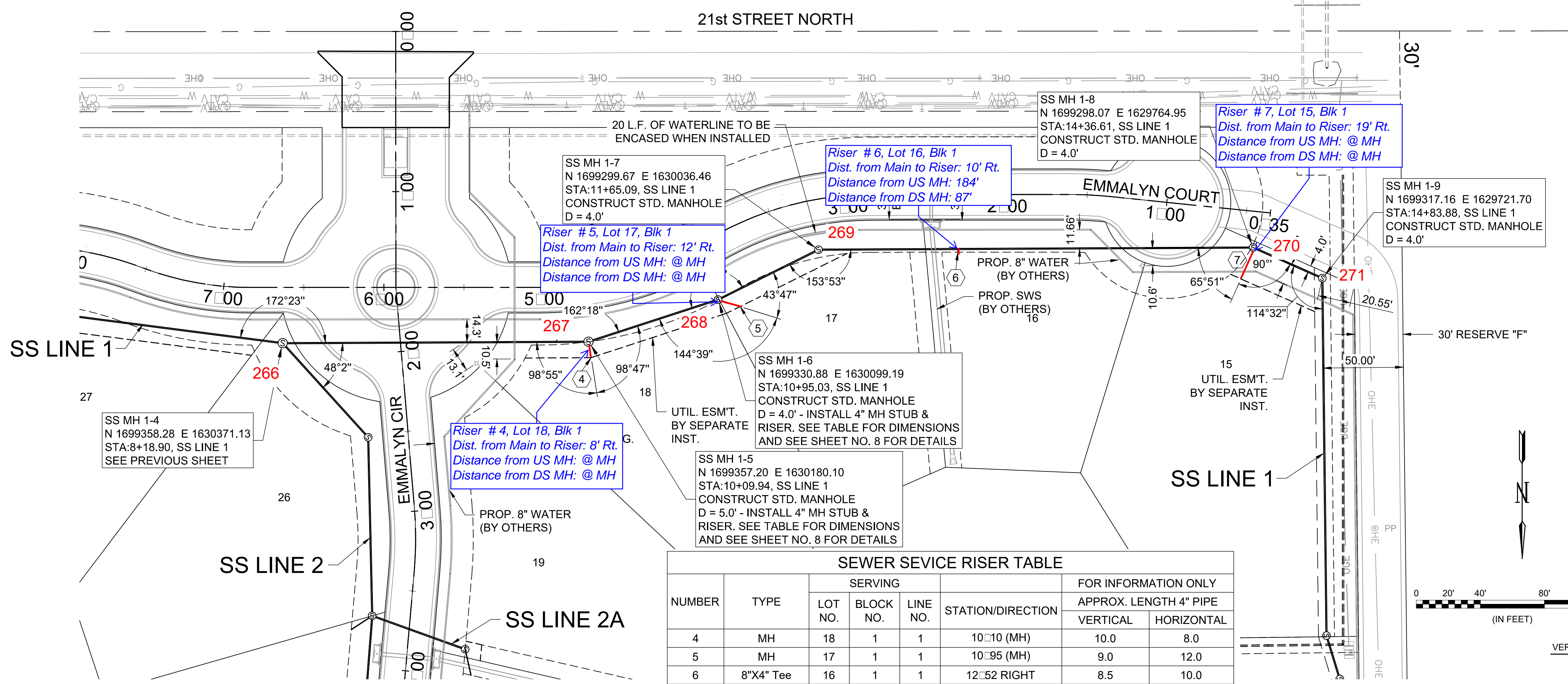
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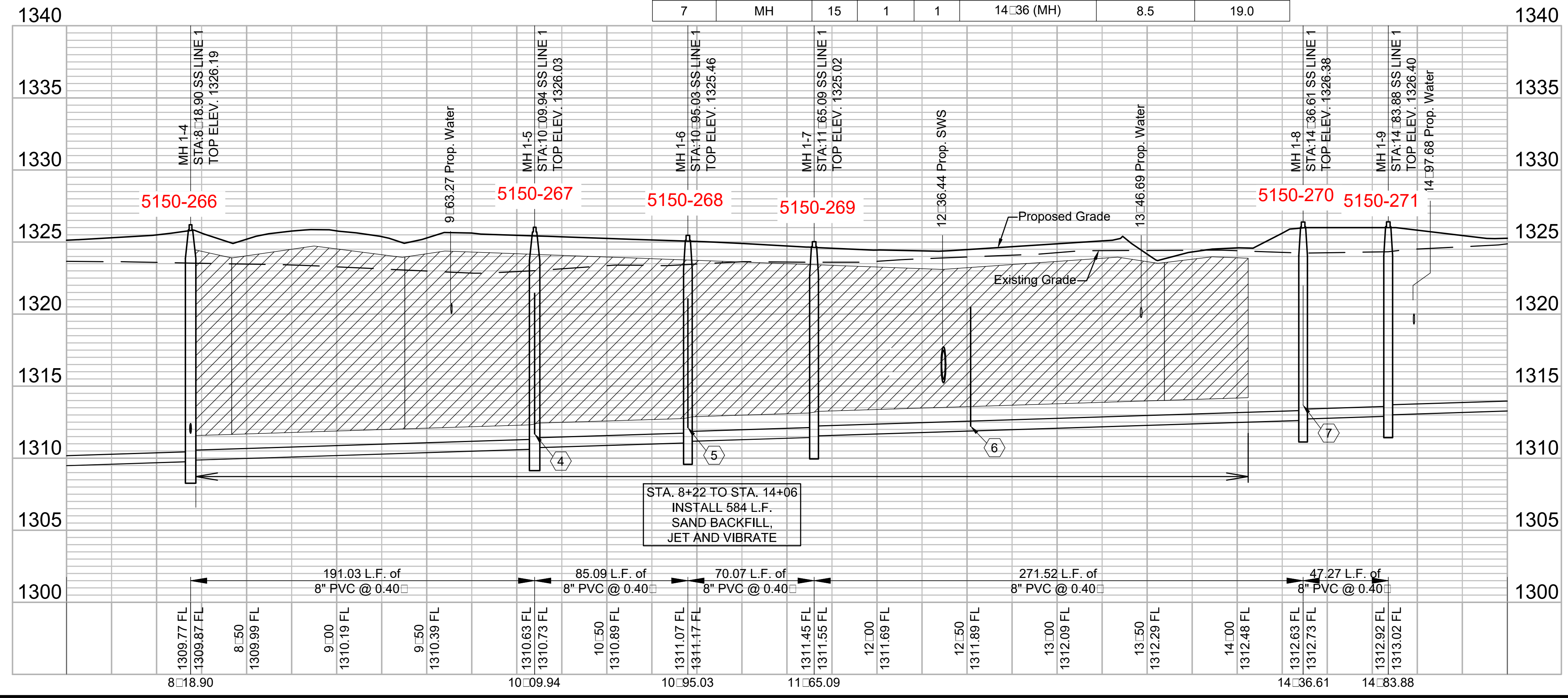
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SHEET NUMBER **3** OF **19**



NUMBER	TYPE	SERVING			STATION/DIRECTION	FOR INFORMATION ONLY	
		LOT NO.	BLOCK NO.	LINE NO.		APPROX. LENGTH 4" PIPE	VERTICAL
4	MH	18	1	1	10+10 (MH)	10.0	8.0
5	MH	17	1	1	10+95 (MH)	9.0	12.0
6	8"X4" Tee	16	1	1	12+52 RIGHT	8.5	10.0
7	MH	15	1	1	14+36 (MH)	8.5	19.0

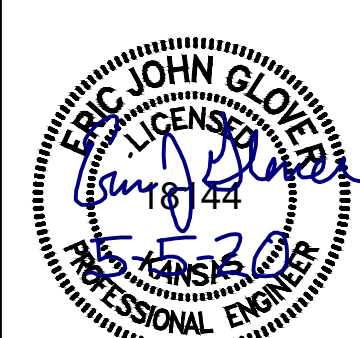


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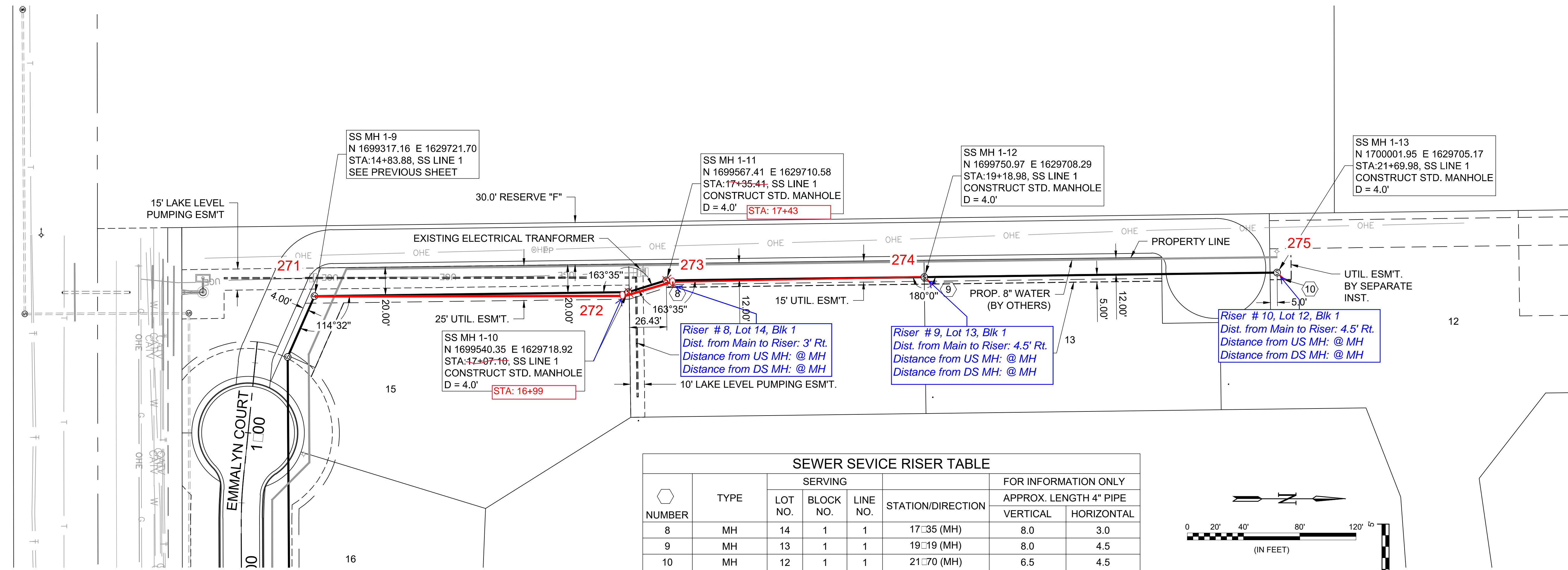
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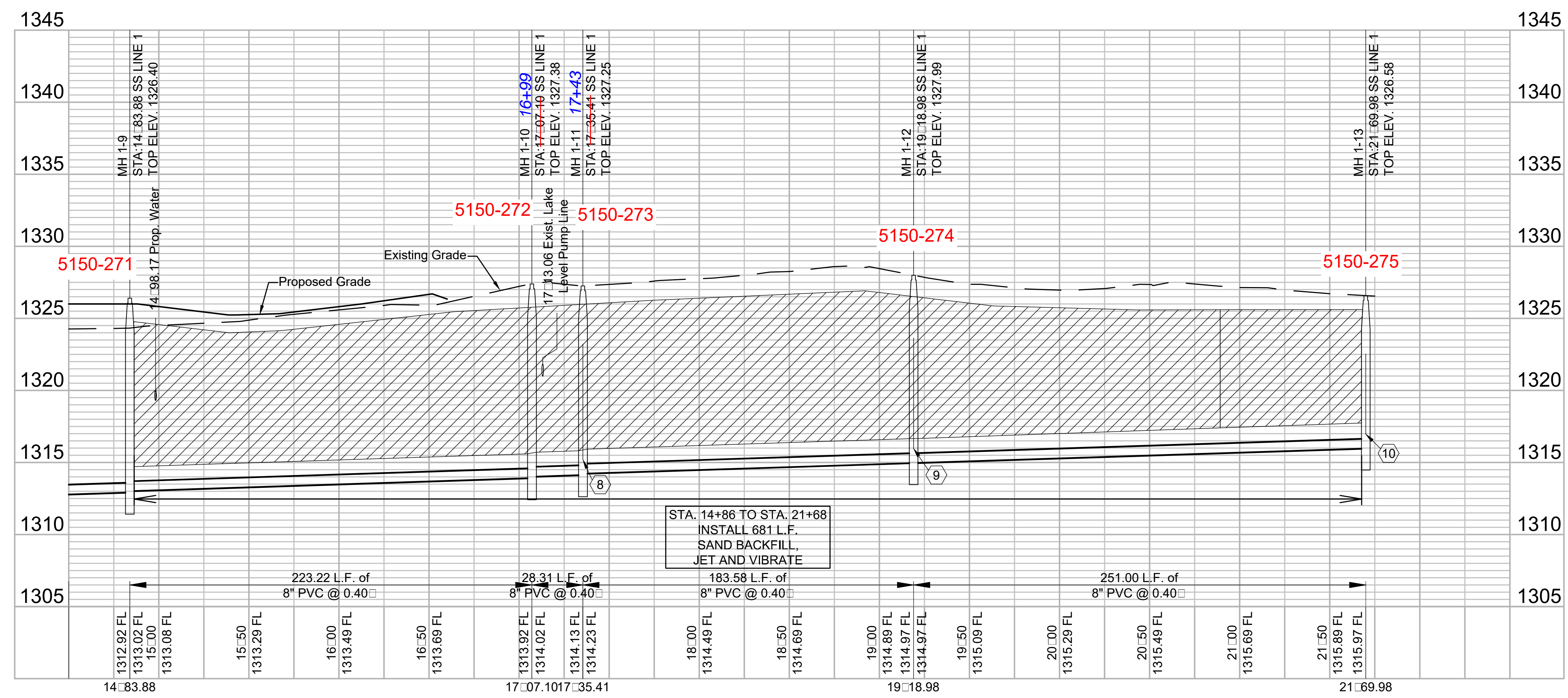
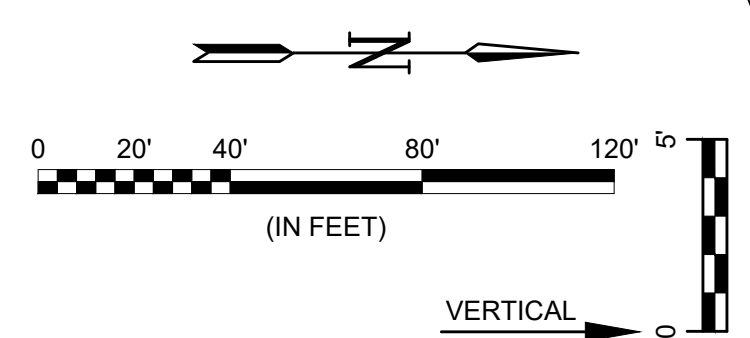
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		LOT NO.	BLOCK NO.	LINE NO.		APPROX. LENGTH 4" PIPE	VERTICAL
8	MH	14	1	1	17+35 (MH)	8.0	3.0
9	MH	13	1	1	19+19 (MH)	8.0	4.5
10	MH	12	1	1	21+70 (MH)	6.5	4.5

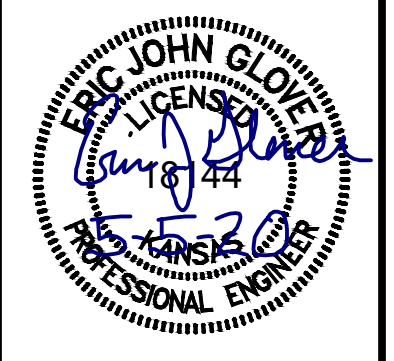


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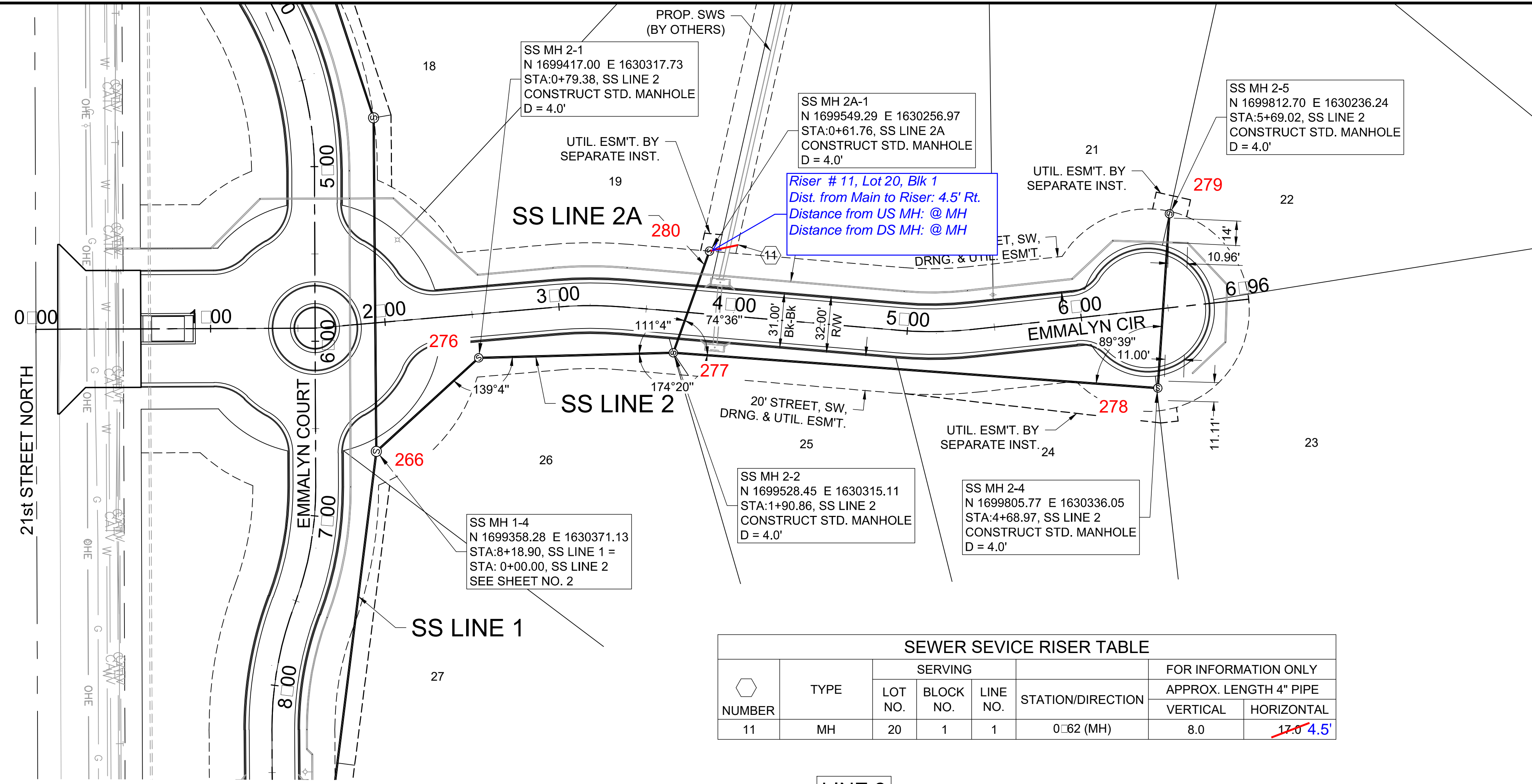
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SS LINES 2 & 2A

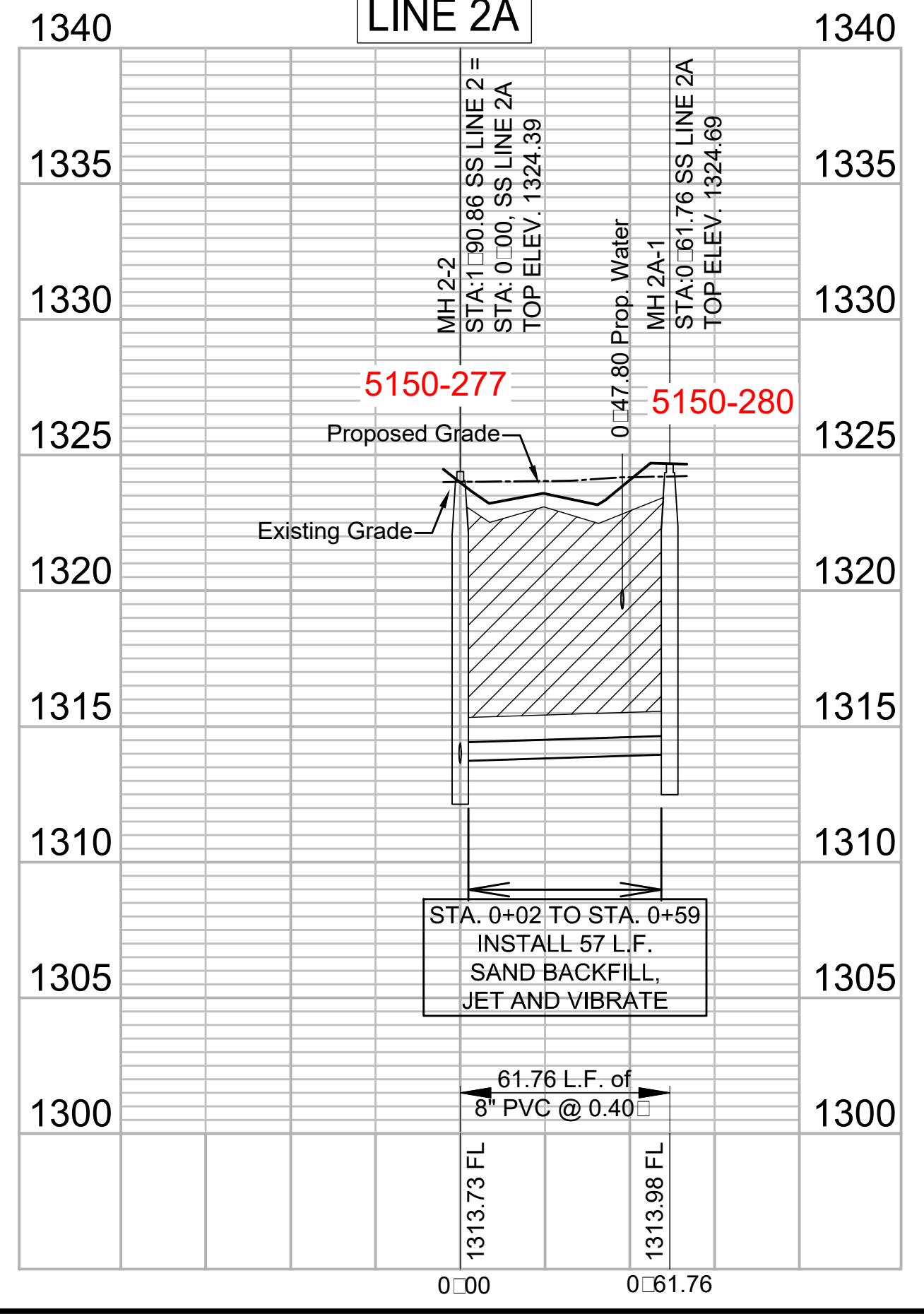
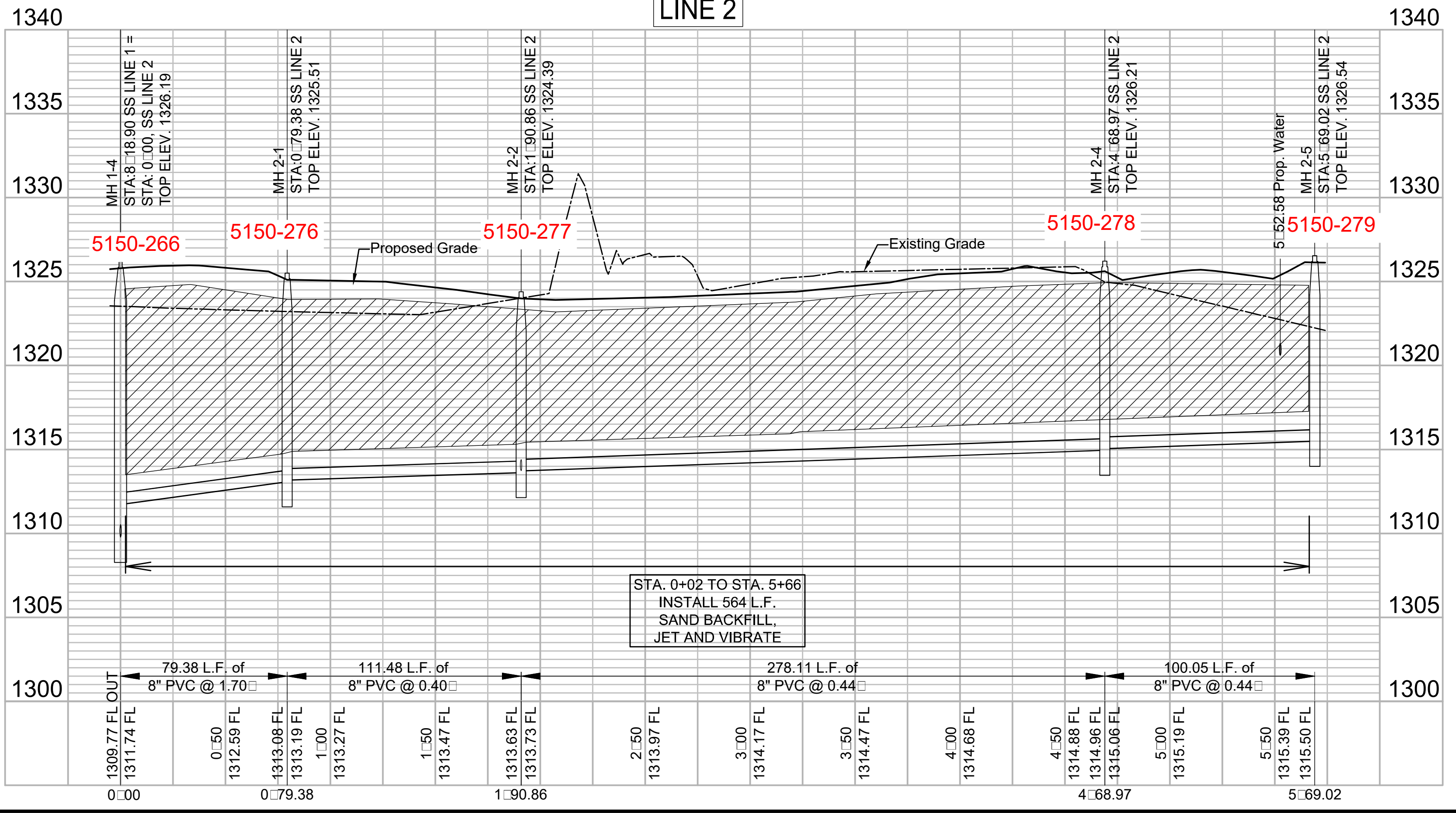
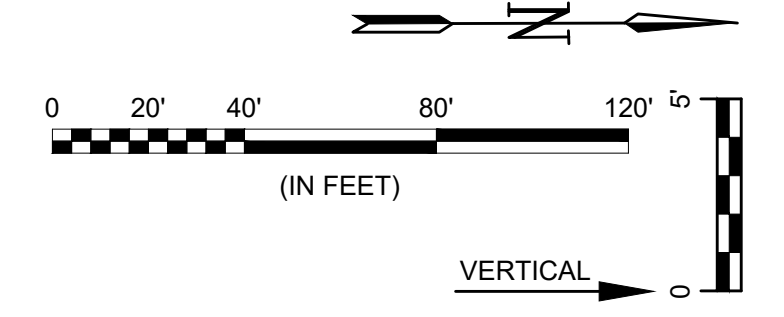
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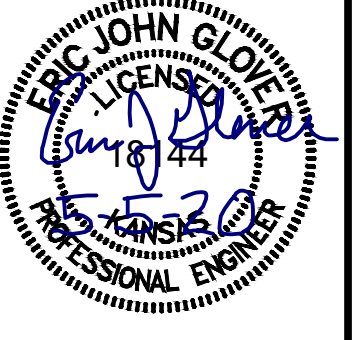


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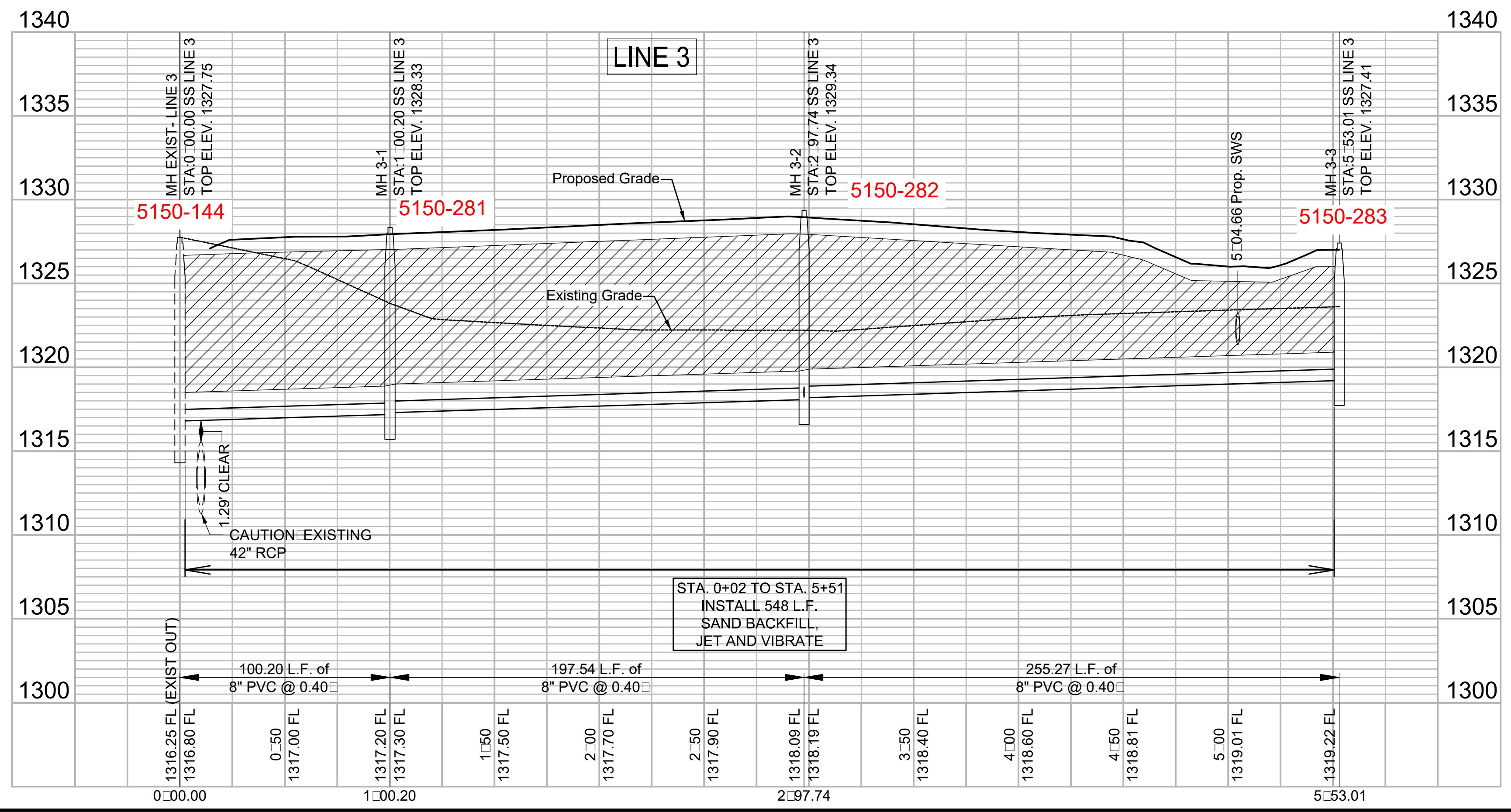
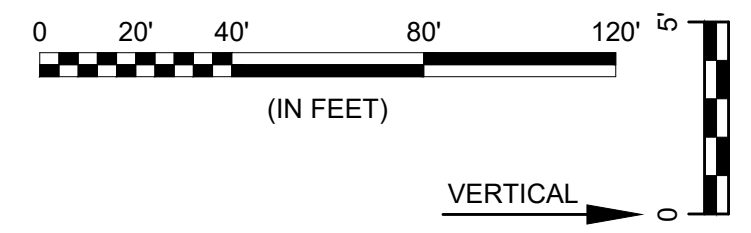
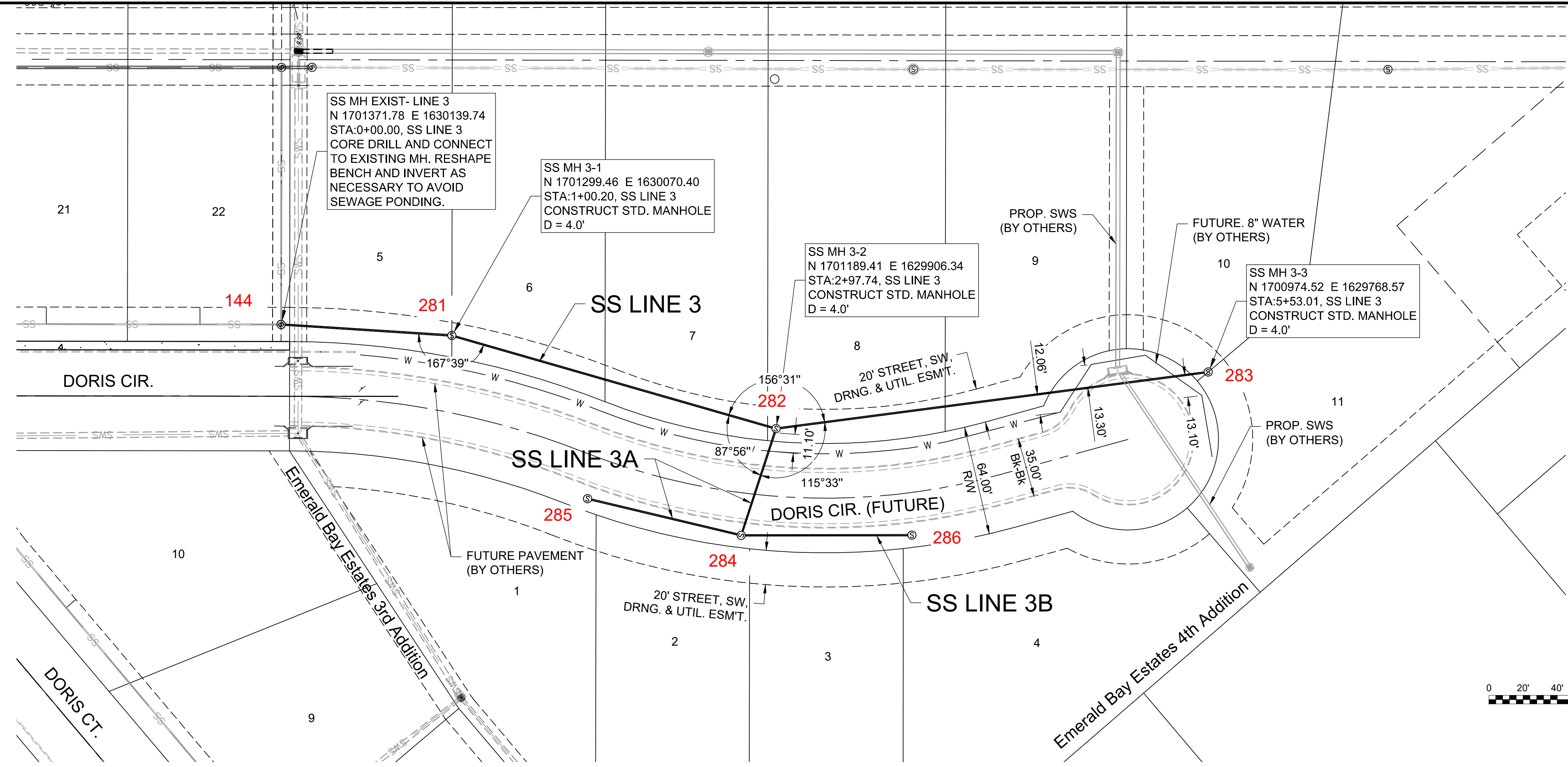
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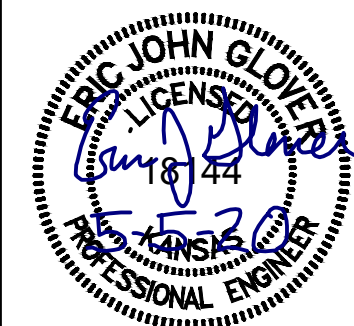


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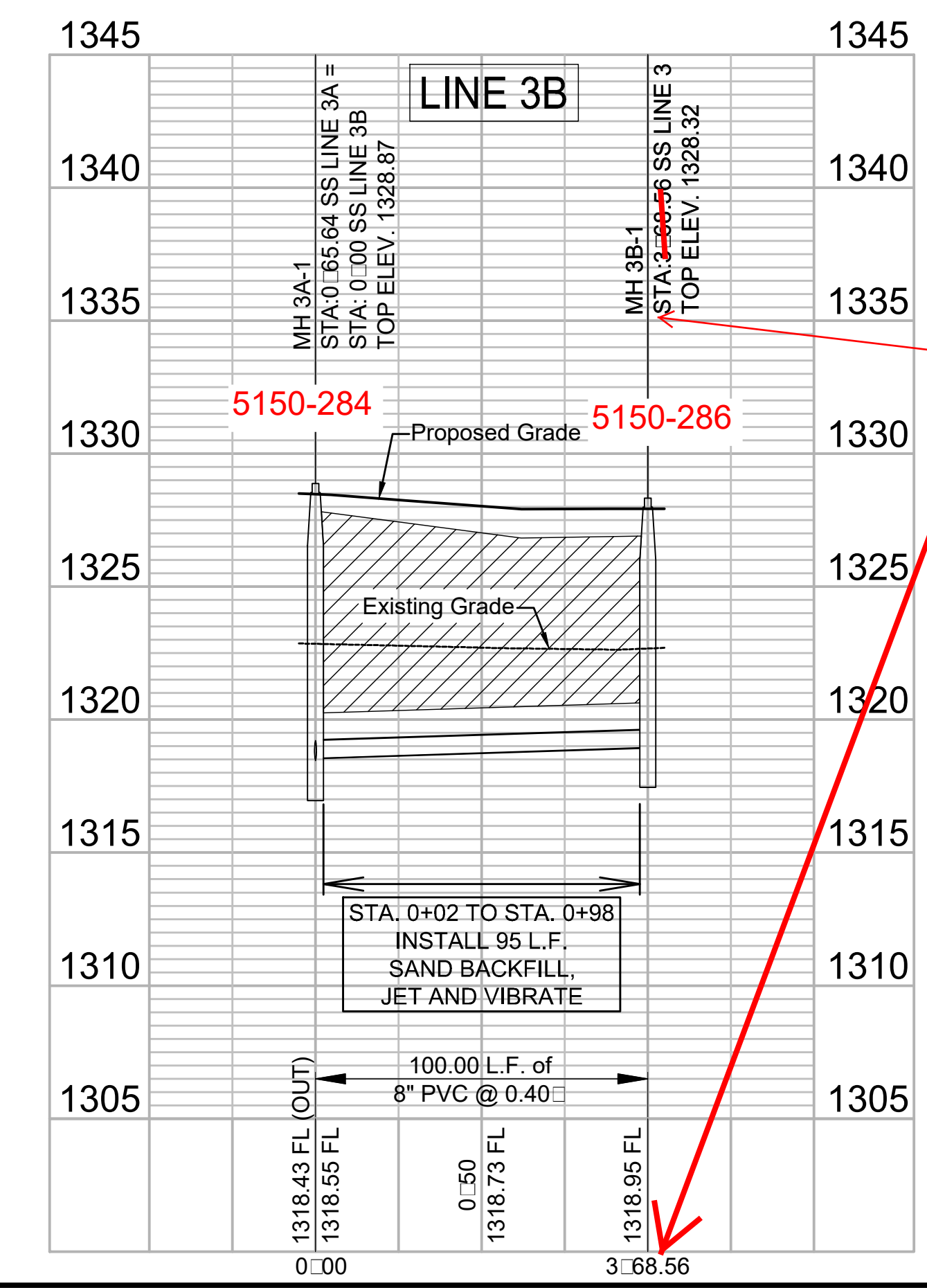
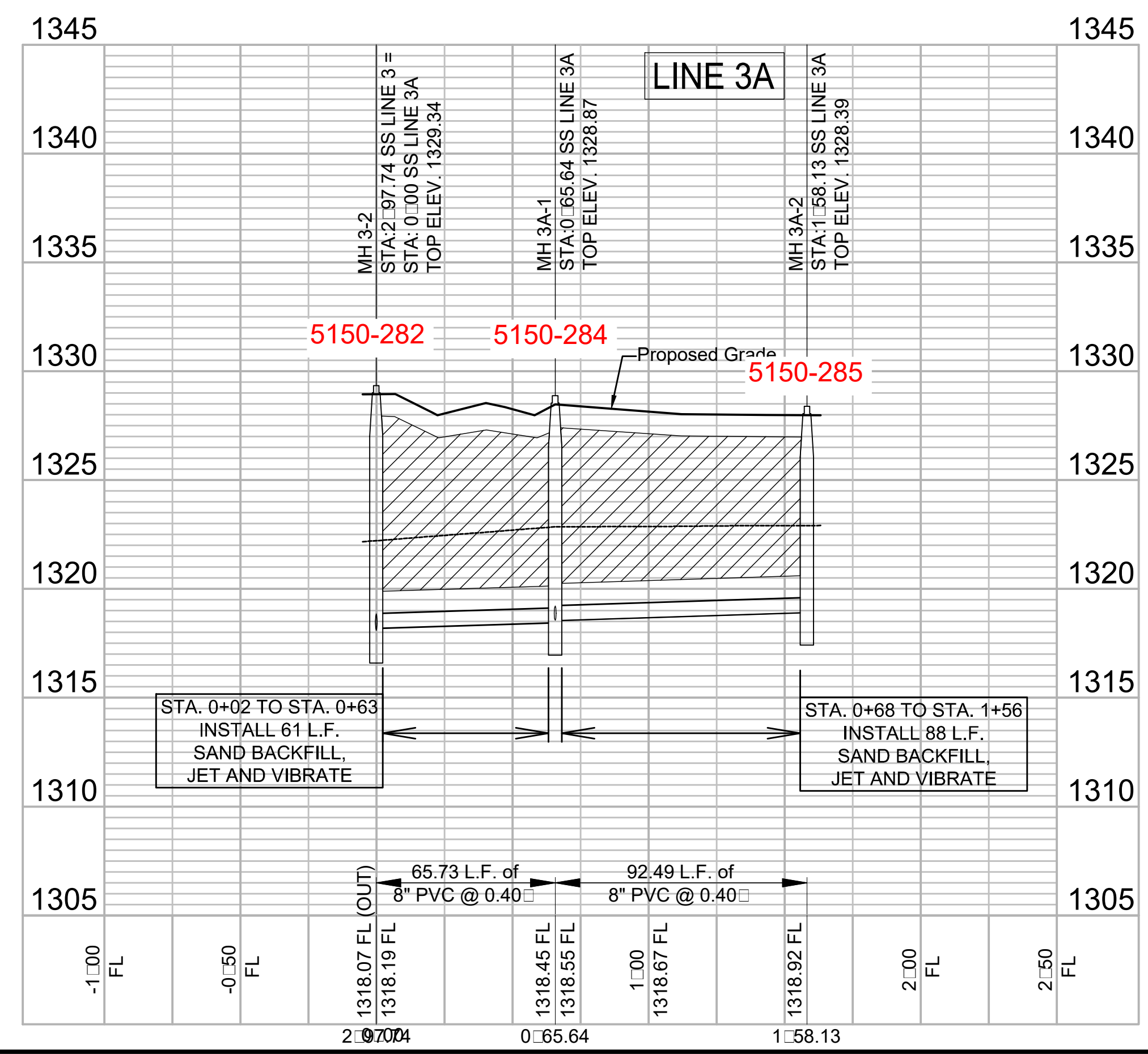
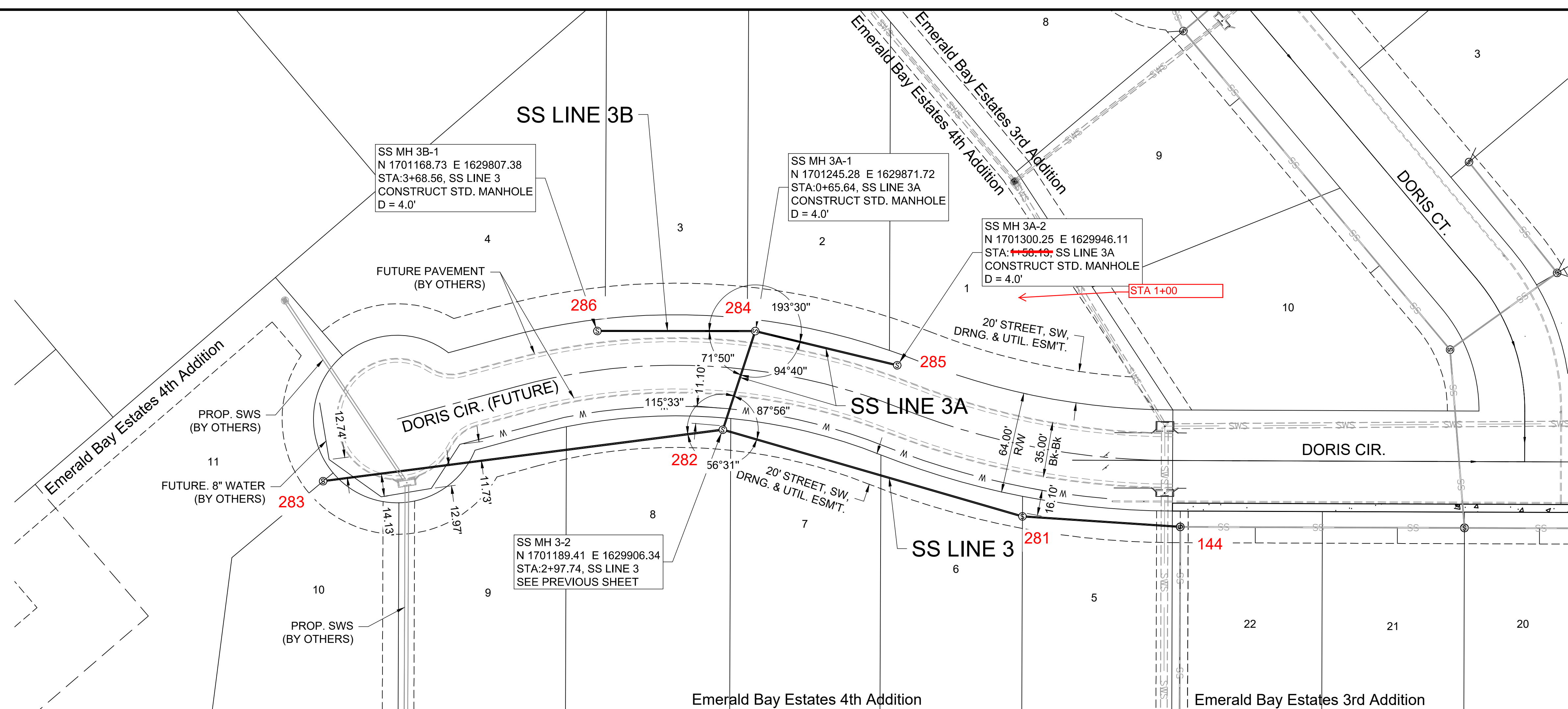
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SHEET NUMBER **7** OF **19**



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WHITE CARD

ENGINEERING DEPARTMENT

CITY OF WICHITA

MISCELLANEOUS INFORMATION

Signed: *Patrick M Herman*

Contractor: Dondlinger

Date: 1-14-2021

Project Name: Emerald Bay 4th (SS)

Project Number: 468-2019-007807

NOTED CHANGES TO THE PLANS OR SCOPE:

1. Replaced the concrete driveway east of the lift station. Included curb and gutter.
2. Dondlinger reset pipe stub out on line 1 stations 0+00 to 0+20. This was done as the stub out was originally installed to the wrong alignment and grade.
3. Manhole 1-11 was shifted 8 feet to the north and 3 feet east.
4. Manhole 1-10 was shifted 8 feet south and 3 feet east.
5. Manhole 1-1 was raised approximately 6 inches to allow for positive drainage away from the manhole ring and cover