



Construction Engineering Division
 1801 S. McLean Blvd., Suite B
 Wichita KS, 67213
 (316) 268-4027

Sanitary Sewer Riser Table

Project Name: WDS_SS to serve The Heights at Maize Addition

Project Location: south of 37th Street N, west of 19th Street W

Project No: 468-2023-037552

MUNIS No: E4021/47270724

Contractor: Apex Excavating LLC

Inspector: Daniel Swinger

Riser No.	Line No.	Station	Distance from Main to Riser (Lt./Rt.)	Distance from		Comment
				Upstream MH	Downstream MH	
1	1	15+47.70	14' Lt.	280'	40'	
2	1	16+07.70	14' Lt.	220'	100'	
3	1	16+74.50	14' Lt.	154'	167'	
4	1	17+27.70	14' Lt.	100'	220'	
5	1	17+87.70	14' Lt.	40'	280'	
6	1	20+17.70	14' Lt.	175'	190'	
7	1	20+92.70	14' Lt.	100'	265'	
8	1	21+12.70	14' Lt.	80'	285'	
9	1	21+77.70	14' Lt.	15'	349'	
10	1	21+92.70	14' Lt.	365'	339'	At MH 1-6
11	1	22+62.70	14' Lt.	270'	70'	
12	1	22+82.70	14' Lt.	251'	91'	
13	1	23+47.70	14' Lt.	184'	156'	
14	1	23+67.70	14' Lt.	165'	175'	
15	1	24+32.70	14' Lt.	100'	240'	
16	1	24+52.70	14' Lt.	80'	260'	
17	1	25+17.70	14' Lt.	15'	324'	
18	1	25+32.70	14' Lt.	334'	340'	At MH 1-7
19	1	26+92.70	14' Lt.	174'	160'	
20	1	27+67.70	14' Lt.	100'	234'	
21	1	27+87.70	14' Lt.	79'	255'	
22	1	28+52.70	14' Lt.	14'	319'	
23	1	28+67.70	14' Lt.	260'	334'	At MH 1-8
24	1	29+37.70	14' Lt.	190'	70'	
25	1	29+57.70	14' Lt.	170'	90'	
26	1	30+22.70	14' Lt.	105'	155'	
27	1	30+42.70	14' Lt.	85'	175'	
28	1	31+07.70	14' Lt.	21'	239'	
29	Arvada	12+08.55	21' Lt.	186'	208'	
30	Arvada	12+66.67	20' Lt.	128'	266'	
31	Arvada	13+46.50	20' Lt.	48'	346'	
32	Arvada	14+06.50	20' Lt.	298'	12'	
33	Arvada	14+66.50	20' Lt.	237'	73'	
34	Arvada	15+26.50	20' Lt.	178'	132'	
35	Arvada	15+86.50	20' Lt.	118'	192'	
36	Arvada	16+46.50	20' Lt.	58'	252'	
37	Arvada	17+04.31	20' Lt.	310'	310'	At MH (Arvada SS)
38	Arvada	17+66.50	20' Lt.	248'	62'	



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Riser No.	Line No.	Station	Distance from Main to Riser (Lt./Rt.)	Distance from		Comment
				Upstream MH	Downstream MH	
39	Arvada	18+26.50	20' Lt.	188'	122'	
40	Arvada	18+66.50	20' Lt.	148'	162'	
41	Arvada	19+31.50	20' Lt.	83'	227'	
42	Arvada	19+51.50	20' Lt.	63'	247'	
43	Arvada	20+14.30	20' Lt.	344'	310'	At MH (Arvada SS)
44	Arvada	20+36.50	20' Lt.	321'	23'	
45	Arvada	21+01.50	20' Lt.	257'	87'	
46	Arvada	21+21.50	20' Lt.	237'	107'	
47	Arvada	21+86.50	20' Lt.	172'	172'	
48	Arvada	22+06.50	20' Lt.	152'	192'	
49	Arvada	22+71.50	20' Lt.	86'	258'	
50	Arvada	22+91.50	20' Lt.	67'	277'	
51	Arvada	23+58.30	20' Lt.	310'	344'	At MH (Arvada SS)
52	Arvada	23+76.50	20' Lt.	292'	18'	
53	Arvada	24+41.50	20' Lt.	227'	83'	
54	Arvada	24+61.50	20' Lt.	207'	103'	
55	Arvada	25+26.50	20' Lt.	142'	168'	
56	Arvada	25+46.50	20' Lt.	122'	188'	
57	Arvada	26+11.50	20' Lt.	57'	253'	
58	Arvada	26+31.50	20' Lt.	37'	273'	
59	2	10+28.33	20' Lt.	262'	28'	
60	2	10+48.34	20' Lt.	244'	48'	
61	2	11+13.34	20' Lt.	178'	114'	
62	2	11+33.34	20' Lt.	158'	134'	
63	2	11+98.34	20' Lt.	94'	198'	
64	2	12+18.34	20' Lt.	74'	218'	
65	2	12+83.33	20' Lt.	9'	283'	
66	2	13+03.34	20' Lt.	224'	12'	
67	2	13+68.34	20' Lt.	159'	77'	
68	2	13+88.34	20' Lt.	138'	98'	
69	2	15+06.94	20' Lt.	21'	215'	
70	2	15+44.82	13' Lt.	151'	7'	
71	Fox Creek	01+26.61	14' Rt.	55'	127'	
72	Fox Creek	03+41.80	27' Rt.	190'	82'	
73	Fox Creek	04+03.75	27' Rt.	128'	144'	
74	Fox Creek	04+49.75	27' Rt.	82'	190'	moved 14' WLY from plan
75	Fox Creek	05+23.75	27' Rt.	8'	264'	
76	Fox Creek	05+83.71	27' Rt.	289'	51'	



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MUNIS No: E4021/47270724

Contractor: Apex Excavating LLC

Inspector: Daniel Swinger

Riser No.	Line No.	Station	Distance from Main to Riser (Lt./Rt.)	Distance from		Comment
				Upstream MH	Downstream MH	
77	Fox Creek	06+43.81	27' Rt.	229'	111'	
78	Fox Creek	07+03.80	27' Rt.	168'	172'	
79	Fox Creek	07+63.81	27' Rt.	109'	231'	
80	Fox Creek	08+23.81	27' Rt.	49'	291'	
81	Fox Creek	08+87.68	27' Rt.	354'	15'	moved 4' ELY from plan
82	Fox Creek	09+43.86	27' Rt.	299'	70'	
83	Fox Creek	09+83.70	25' Rt.	259'	110'	
84	Fox Creek	10+48.70	25' Rt.	194'	175'	
85	Fox Creek	10+68.70	25' Rt.	174'	195'	
86	Fox Creek	11+33.70	25' Rt.	109'	261'	
87	Fox Creek	11+53.70	25' Rt.	89'	280'	
88	Fox Creek	12+18.67	25' Rt.	24'	345'	
89	Fox Creek	12+42.65	25' Rt.	350'	369'	
90	Fox Creek	13+00.66	25' Rt.	292'	58'	moved 3' WLY from plan
91	Fox Creek	13+26.66	25' Rt.	266'	84'	moved 3' ELY from plan
92	Fox Creek	13+88.56	25' Rt.	204'	146'	
93	Fox Creek	14+08.66	25' Rt.	184'	166'	
94	Fox Creek	14+73.66	25' Rt.	119'	231'	
95	Fox Creek	14+93.66	25' Rt.	99'	251'	
96	Fox Creek	15+58.66	25' Rt.	34'	316'	
97	Fox Creek	15+75.66	25' Rt.	17'	333'	moved 3' WLY from plan
98	Fox Creek	16+43.70	26' Rt.	309'	51'	
99	Fox Creek	16+63.70	26' Rt.	289'	71'	
100	Fox Creek	17+28.68	26' Rt.	224'	136'	
101	Fox Creek	17+48.68	26' Rt.	205'	155'	
102	Fox Creek	18+08.70	26' Rt.	144'	216'	moved 5' WLY from plan
103	Fox Creek	18+33.70	26' Rt.	119'	241'	
104	Fox Creek	18+98.68	26' Rt.	55'	305'	
105	Fox Creek	19+18.70	26' Rt.	35'	325'	
106	Fox Creek	19+83.78	26' Rt.	319'	31'	
107	Fox Creek	20+03.78	26' Rt.	299'	51'	
108	Fox Creek	20+68.88	26' Rt.	234'	116'	
109	Fox Creek	20+88.78	26' Rt.	214'	136'	
110	Fox Creek	21+53.78	26' Rt.	150'	200'	
111	Fox Creek	21+78.72	26' Rt.	124'	226'	moved 5' ELY from plan
112	Fox Creek	22+92.85	26' Rt.	11'	339'	

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SAN LINE 1

PROJECT NO. 468-2023-037552

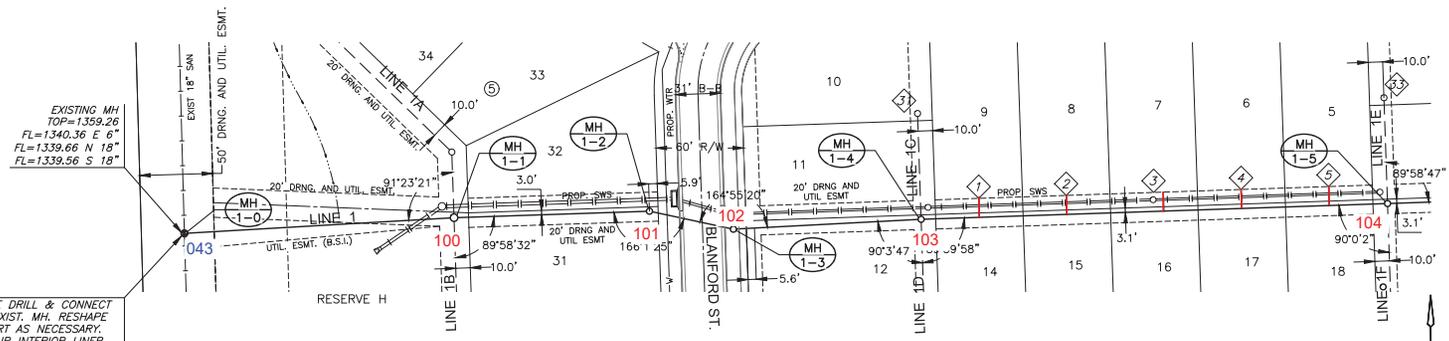
DATE JAN. 2024

SCALE 1"=40'

DESIGNED DRAWN CHECKED
DFL BWS SPE

NO.	REVISION	DATE
1	ADJUSTED MH TOPS	01/30/2024

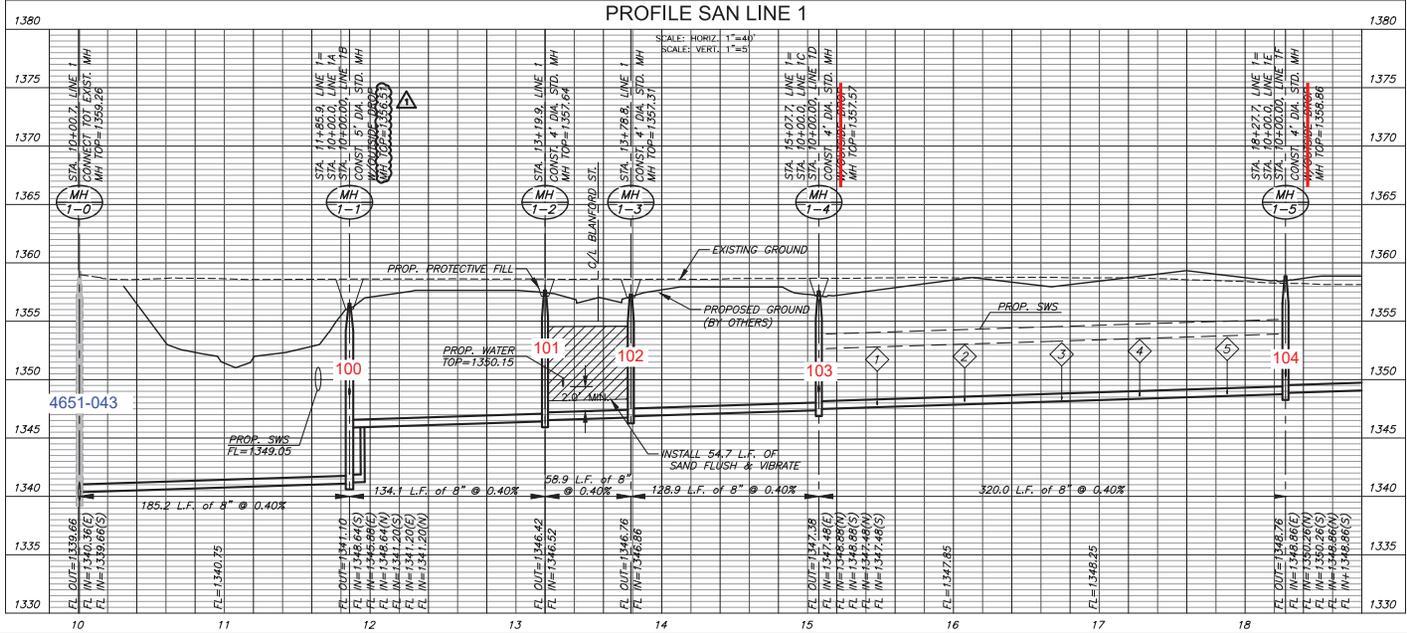
SHEET NO.



CORE DRILL & CONNECT TO EXIST. MHL. RESHAPE INVERT AS NECESSARY. REPAIR INTERIOR LINER SYSTEM. COST SUBSIDIARY TO PROJECT.

NOTE:
 CONTRACTOR TO VERIFY THE DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.

PLAN SAN LINE 1
PROFILE SAN LINE 1

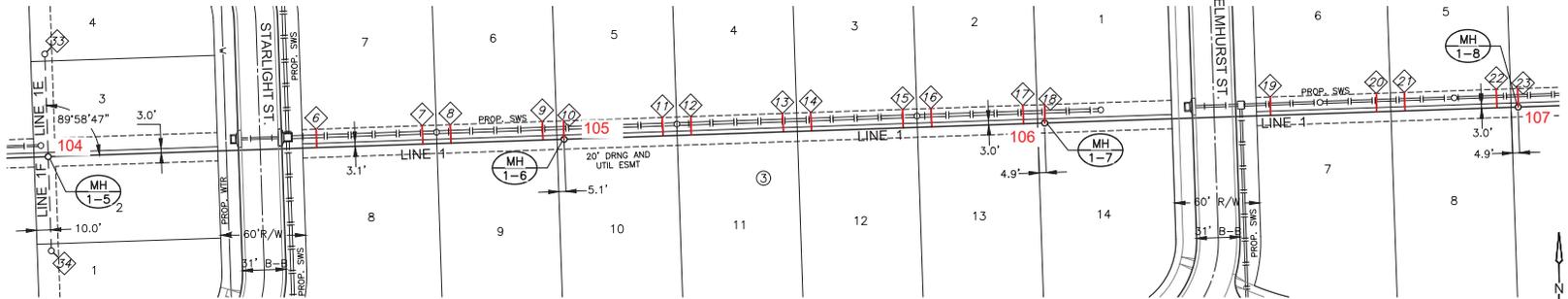


PROJECT: 468-2023-037552 THE HEIGHTS AT MAIZE ADDITION SANITARY SEWER LINE 468-2023-037552-0001.DWG

THE HEIGHTS AT MAIZE ADDITION

SANITARY SEWER

MAIZE, KANSAS

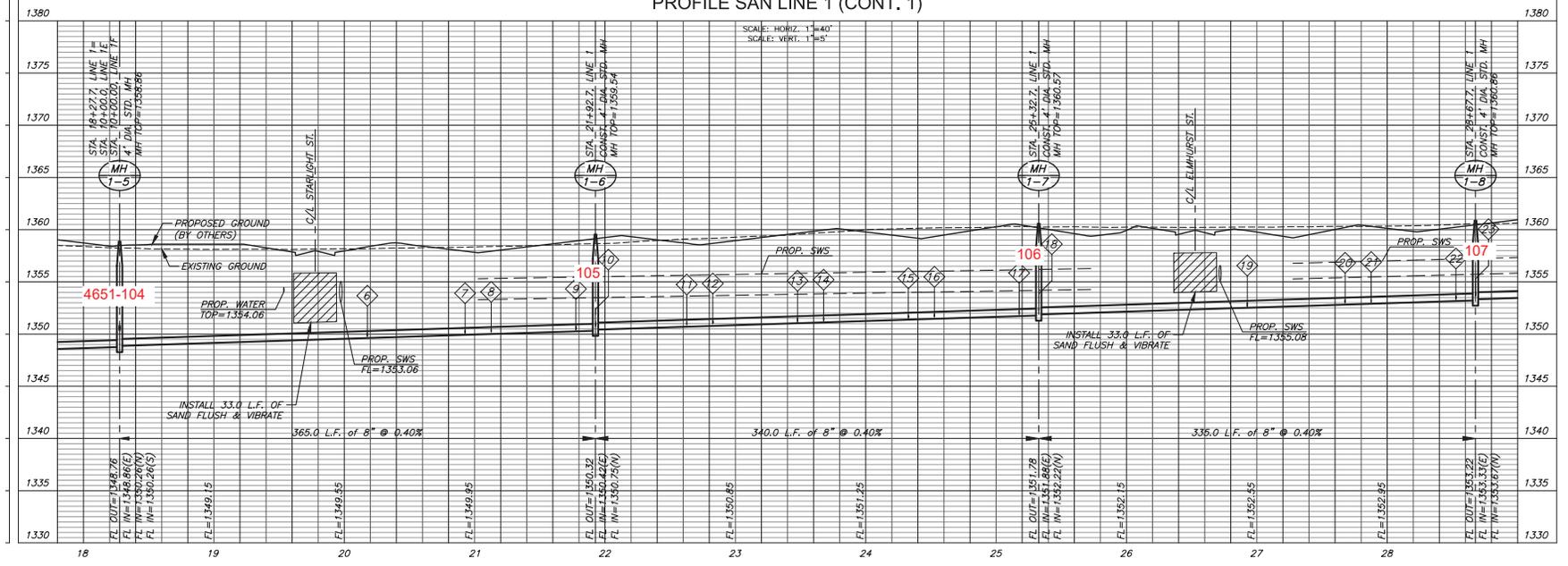


NOTE:
CONTRACTOR TO VERIFY THE
DEPTH AND LOCATION OF EXISTING
UTILITIES PRIOR TO CONSTRUCTION.

= SAND, FLUSH & VIBRATE

SCALE: 1"=40'

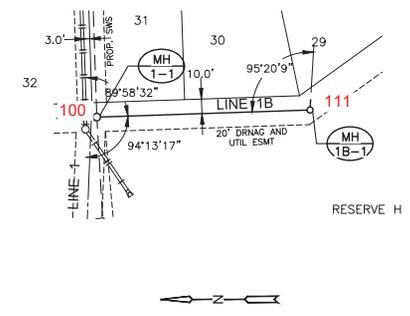
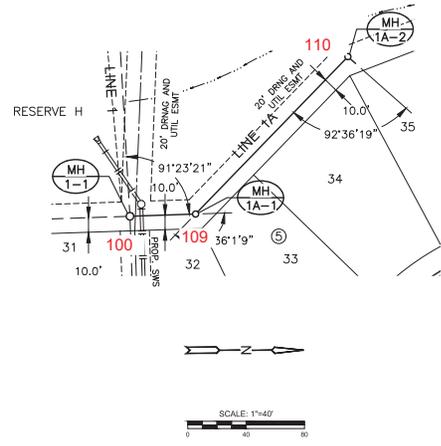
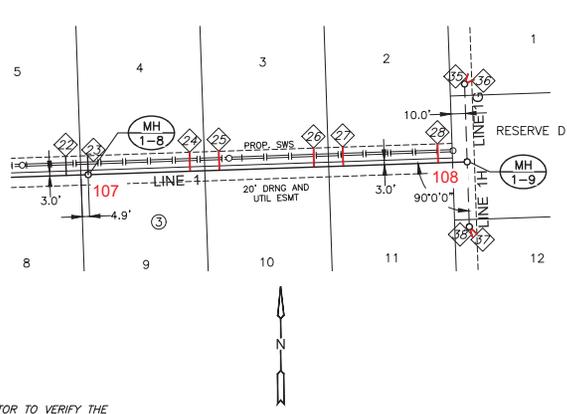
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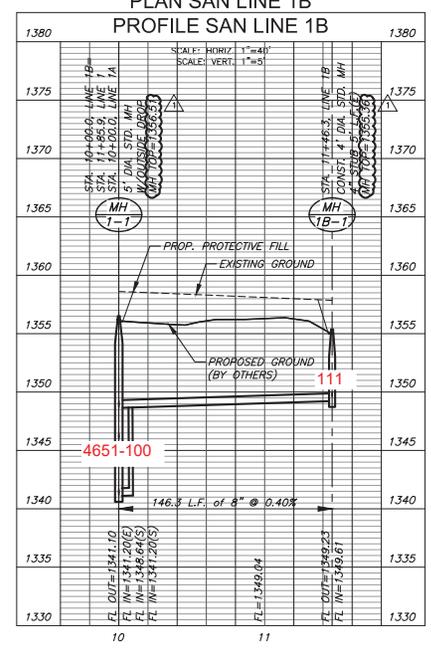
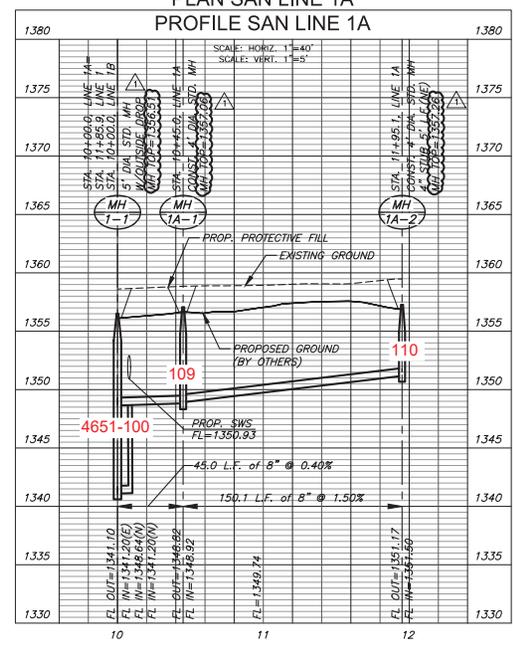
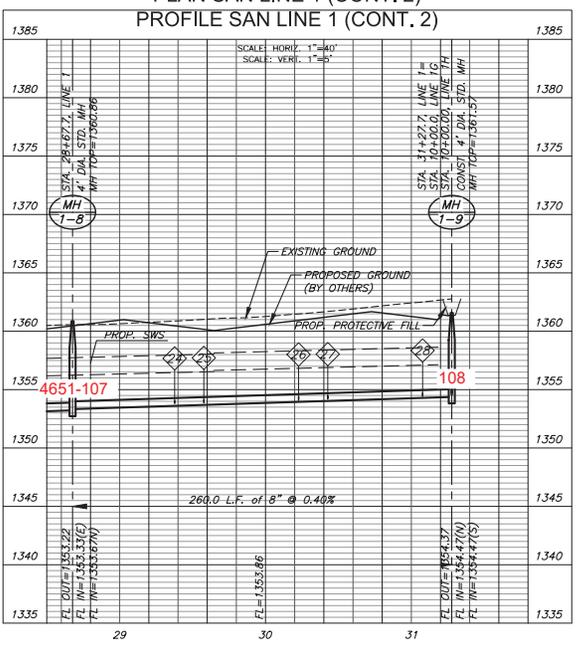
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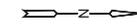
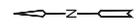
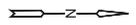
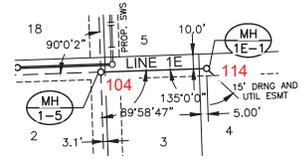
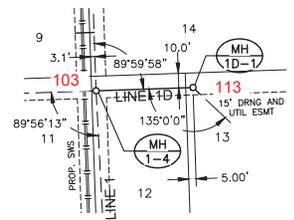
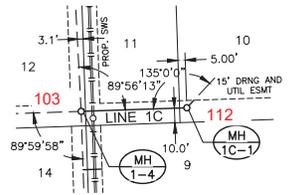
SAN LINE 1 (CONT.)

PROJECT NO.	469-2024-037552	
DATE	JAN. 2024	
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DESIGNED	DFL	
DRAWN	BWS	
CHECKED	SPE	
NO.	REVISION	DATE
SHEET NO.		



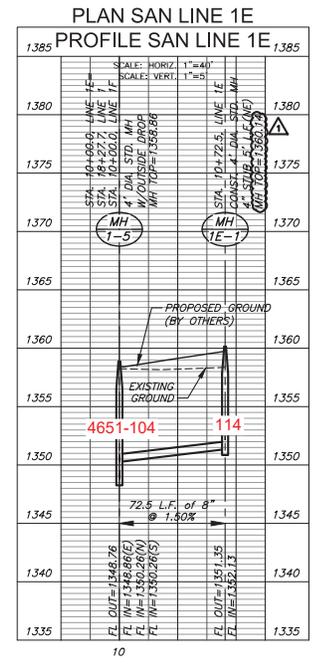
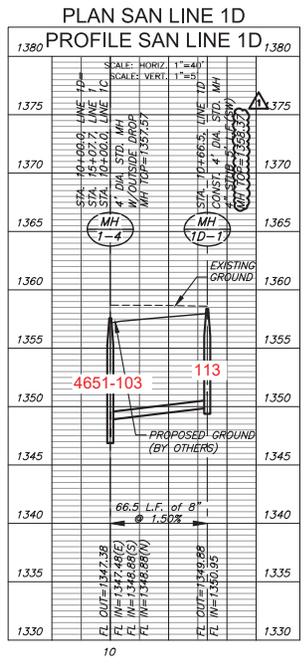
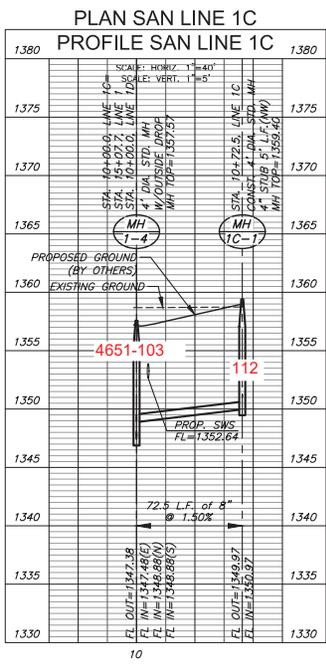
NOTE:
 CONTRACTOR TO VERIFY THE
 DEPTH AND LOCATION OF EXISTING
 UTILITIES PRIOR TO CONSTRUCTION.





NOTE:
CONTRACTOR TO VERIFY THE DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.

SCALE: 1"=40'
80' 40'



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SAN LINE 1C & LINE 1D & LINE 1E

PROJECT NO. 468-2023-037552

DATE JAN. 2024

SCALE 1"=40'

DESIGNED DRAWN CHECKED
DFL BWS SPE

1. ADJUSTED MH TOPS 04/30/2024

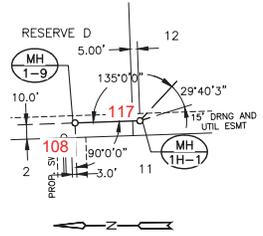
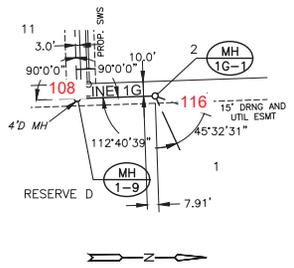
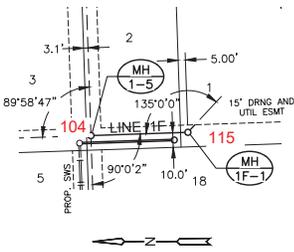
NO. REVISION DATE

SHEET NO.

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P:\PROJECTS\2023\037552\DWG\SS\1E.DWG



NOTE:
CONTRACTOR TO VERIFY THE
DEPTH AND LOCATION OF EXISTING
UTILITIES PRIOR TO CONSTRUCTION.

PLAN SAN LINE 1F

PLAN SAN LINE 1G

PLAN SAN LINE 1H

PROFILE SAN LINE 1F

Station	Profile	Notes
1385	1385	SCALE: HORIZ. 1"=40' SCALE: VERT. 1"=4'
1380	1380	STA. 10+00.00 LINE 1F STA. 10+27.71 LINE 1G 4" DIA. STD. MH W/OUTSIDE DROP MH TOP=1358.88
1375	1375	1375
1370	1370	MH 1-5 CONST. 4" DIA. STD. MH W/OUTSIDE DROP MH TOP=1358.88
1365	1365	1365
1360	1360	PROPOSED GROUND (BY OTHERS)
1355	1355	EXISTING GROUND
1350	1350	4651-104 115
1345	1345	66.5 L.F. of 8" @ 1.50%
1340	1340	FL OUT=1348.76 FL IN=1348.86(E) FL WH=1350.26(S) FL WH=1350.26(N)
1335	1335	FL OUT=1351.26 FL IN=1352.11(SE)

PROFILE SAN LINE 1G

Station	Profile	Notes
1385	1385	SCALE: HORIZ. 1"=40' SCALE: VERT. 1"=4'
1380	1380	STA. 10+00.00 LINE 1G STA. 11+27.71 LINE 1H 4" DIA. STD. MH W/OUTSIDE DROP MH TOP=1361.57
1375	1375	1375
1370	1370	MH 1-9 CONST. 4" DIA. STD. MH W/OUTSIDE DROP MH TOP=1361.57
1365	1365	EXISTING GROUND
1360	1360	PROPOSED GROUND (BY OTHERS)
1355	1355	4651-108 116
1350	1350	PROPOSED GROUND (BY OTHERS)
1345	1345	53.4 L.F. of 8" @ 0.40%
1340	1340	FL OUT=1354.37 FL IN=1354.47(N) FL WH=1354.47(S) FL WH=1354.47(S)
1335	1335	FL OUT=1354.68 FL IN=1355.00(N) FL WH=1355.00(N) FL WH=1355.00(NE)

PROFILE SAN LINE 1H

Station	Profile	Notes
1385	1385	SCALE: HORIZ. 1"=40' SCALE: VERT. 1"=4'
1380	1380	STA. 10+00.00 LINE 1G STA. 11+27.71 LINE 1H 4" DIA. STD. MH W/OUTSIDE DROP MH TOP=1361.57
1375	1375	1375
1370	1370	MH 1-9 CONST. 4" DIA. STD. MH W/OUTSIDE DROP MH TOP=1361.57
1365	1365	EXISTING GROUND
1360	1360	PROPOSED GROUND (BY OTHERS)
1355	1355	4651-108 117
1350	1350	PROPOSED GROUND (BY OTHERS)
1345	1345	44.5 L.F. of 8" @ 0.40%
1340	1340	FL OUT=1354.37 FL IN=1354.47(N) FL WH=1354.47(S) FL WH=1354.47(S)
1335	1335	FL OUT=1354.68 FL IN=1355.00(S) FL WH=1355.00(S) FL WH=1355.00(SE)

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SAN LINE 1F & LINE 1G & LINE 1H

PROJECT NO. 468-2023-037552

DATE JAN. 2024

SCALE 1"=40'

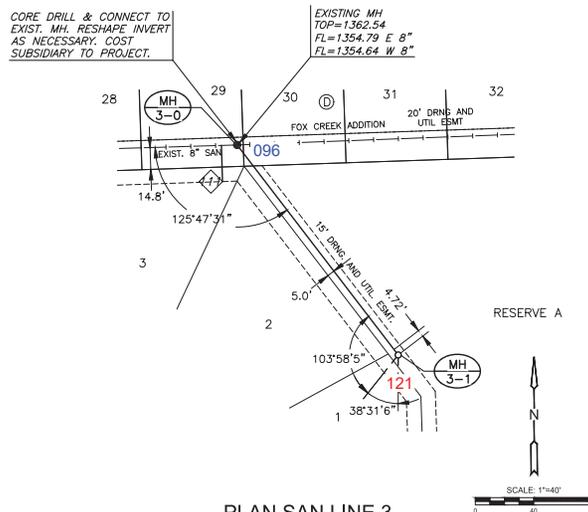
DESIGNED DRAWN CHECKED
DFL BWS SPE

NO.	REVISION	DATE
1	ADJUSTED MH TOPS	04/30/2024

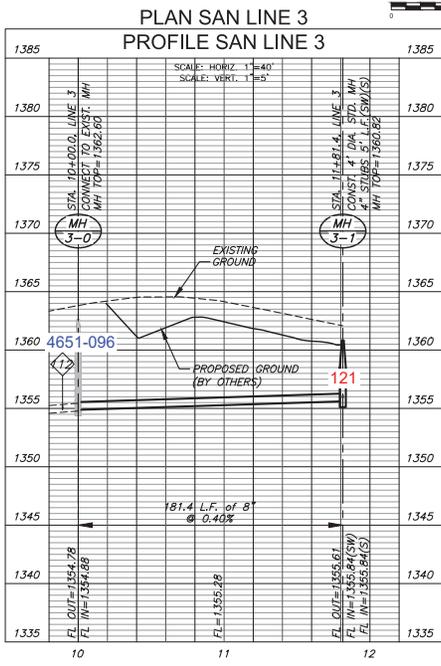
SHEET NO. 09 OF 22

MKEC - Kansas, January 19, 2024 - 037552

PROJECT: 69-2024-037552 - THE HEIGHTS AT MAIZE SANITARY SEWER (SHEET 12 OF 22)



NOTE:
CONTRACTOR TO VERIFY THE DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.



THE HEIGHTS AT MAIZE ADDITION

SANITARY SEWER
MAIZE, KANSAS

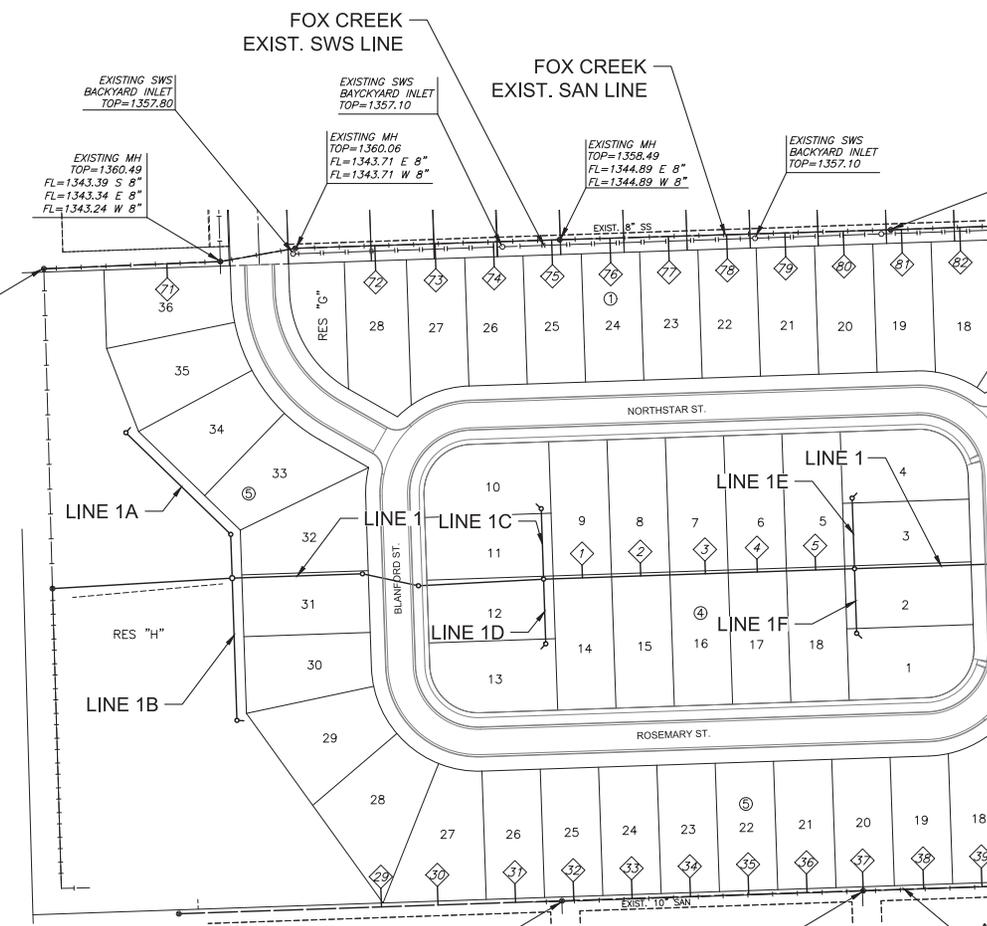
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SAN LINE 3		
PROJECT NO.	69-2024-037552	
DATE	JAN. 2024	
SCALE	1"=40'	
DESIGNED	DRAWN	
DFL	BWS	
CHECKED	SPE	
NO.	REVISION	DATE
SHEET NO.		
11 OF 22		



ADDITION



NO.	TYPE	LOCATION			FOR INFORMATION ONLY		Distance from Main to Riser (L/R)	Distance from			
		LOT NO.	BLOCK NO.	LINE NO.	STATION	DIRECTION		APPROXIMATE LENGTH	Upstream MH	Downstream MH	
					VERTICAL (FT)	HORIZONTAL (FT)					
1	4" TEE	9	4	1	15+47.70	LT	9'	13'	14' LL	280'	40'
2	4" TEE	8	4	1	16+07.70	LT	9'	13'	14' LL	220'	100'
3	4" TEE	7	4	1	16+74.50	LT	9'	13'	14' LL	154'	167'
4	4" TEE	6	4	1	17+27.70	LT	9'	13'	14' LL	100'	220'
5	4" TEE	5	4	1	17+87.70	LT	9'	13'	14' LL	40'	280'
29	4" TEE	28	5	ARVADA	12+08.55	LT	11'	19'	21' LL	186'	208'
30	4" TEE	27	5	ARVADA	12+66.67	LT	11'	19'	20' LL	128'	266'
31	4" TEE	26	5	ARVADA	13+46.50	LT	11'	19'	20' LL	48'	346'
32	4" TEE	25	5	ARVADA	14+06.50	LT	11'	19'	20' LL	298'	12'
33	4" TEE	24	5	ARVADA	14+66.50	LT	10'	19'	20' LL	237'	73'
34	4" TEE	23	5	ARVADA	15+26.50	LT	10'	19'	20' LL	178'	132'
35	4" TEE	22	5	ARVADA	15+86.50	LT	10'	19'	20' LL	118'	192'
36	4" TEE	21	5	ARVADA	16+46.50	LT	10'	19'	20' LL	58'	252'
37	4" MH CONNECTION	20	5	ARVADA	17+04.31	LT	10'	19'	20' LL	310'	310'
38	4" TEE	19	5	ARVADA	17+66.50	LT	10'	19'	20' LL	248'	62'
39	4" TEE	18	5	ARVADA	18+26.50	LT	10'	19'	20' LL	188'	122'
71	4" TEE	36	5	FOX CREEK	01+26.81	RT	17'	14'	14' RL	55'	127'
72	4" TEE	28	1	FOX CREEK	03+41.80	RT	14'	26'	27' RL	190'	82'
73	4" TEE	27	1	FOX CREEK	04+03.75	RT	13'	26'	27' RL	128'	144'
74	4" TEE	26	1	FOX CREEK	04+63.75	RT	13'	26'	27' RL	82'	190'
75	4" TEE	25	1	FOX CREEK	05+23.75	RT	13'	26'	27' RL	8'	264'
76	4" TEE	24	1	FOX CREEK	05+83.71	RT	13'	26'	27' RL	289'	51'
77	4" TEE	23	1	FOX CREEK	06+43.81	RT	13'	26'	27' RL	229'	111'
78	4" TEE	22	1	FOX CREEK	07+03.80	RT	13'	26'	27' RL	168'	172'
79	4" TEE	21	1	FOX CREEK	07+63.81	RT	12'	26'	27' RL	109'	231'
80	4" TEE	20	1	FOX CREEK	08+23.81	RT	11'	26'	27' RL	49'	291'
81	4" TEE	19	1	FOX CREEK	08+83.68	RT	11'	26'	27' RL	354'	15'
82	4" TEE	18	1	FOX CREEK	09+43.86	RT	10'	26'	27' RL	299'	70'

EXISTING MH
TOP=1360.06
FL=1342.06 E 10"
FL=1340.06 E 10"
FL=1339.31 S 18"
FL=1339.26 N 18"

EXISTING MH
TOP=1360.49
FL=1343.39 S 8"
FL=1343.34 E 8"
FL=1343.24 W 8"

EXISTING MH
TOP=1360.06
FL=1343.71 E 8"
FL=1343.71 W 8"

EXISTING MH
TOP=1358.49
FL=1344.89 E 8"
FL=1344.89 W 8"

EXISTING SWS
BACKYARD INLET
TOP=1357.10

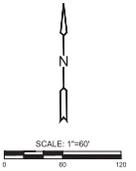
EXISTING MH
TOP=1359.04
FL=1346.54 E 8"
FL=1346.49 W 8"

EXISTING MH
TOP=1358.53
FL=1342.08 W 8"
FL=1342.08 E 8"
FL=1342.08 S 8"

EXISTING MH
TOP=1358.47
FL=1342.92 W 8"
FL=1342.92 E 8"
FL=1342.97 S 8"

ARVADA
EXIST. LINE

SEE RISER DETAIL
SHEET 03



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RISER MAP 1

PROJECT NO. 469-2024-037552

DATE JAN. 2024

SCALE 1"=60'

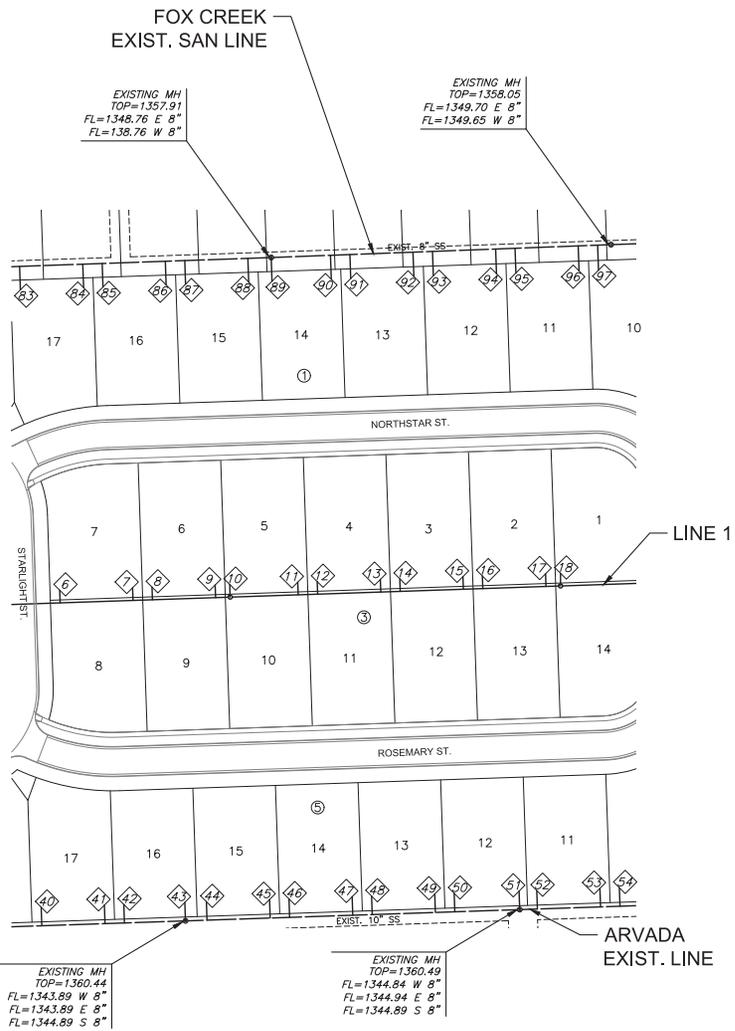
DESIGNED	DRAWN	CHECKED
DFL	BWS	SPE

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SHEET NO.



NOTATION



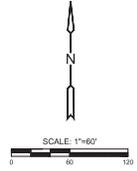
SEE RISER DETAIL SHEET 03

EXISTING MH
TOP=1360.44
FL=1343.89 W 8"
FL=1343.89 E 8"
FL=1344.89 S 8"

EXISTING MH
TOP=1360.49
FL=1344.94 W 8"
FL=1344.94 E 8"
FL=1344.89 S 8"

ARVADA
EXIST. LINE

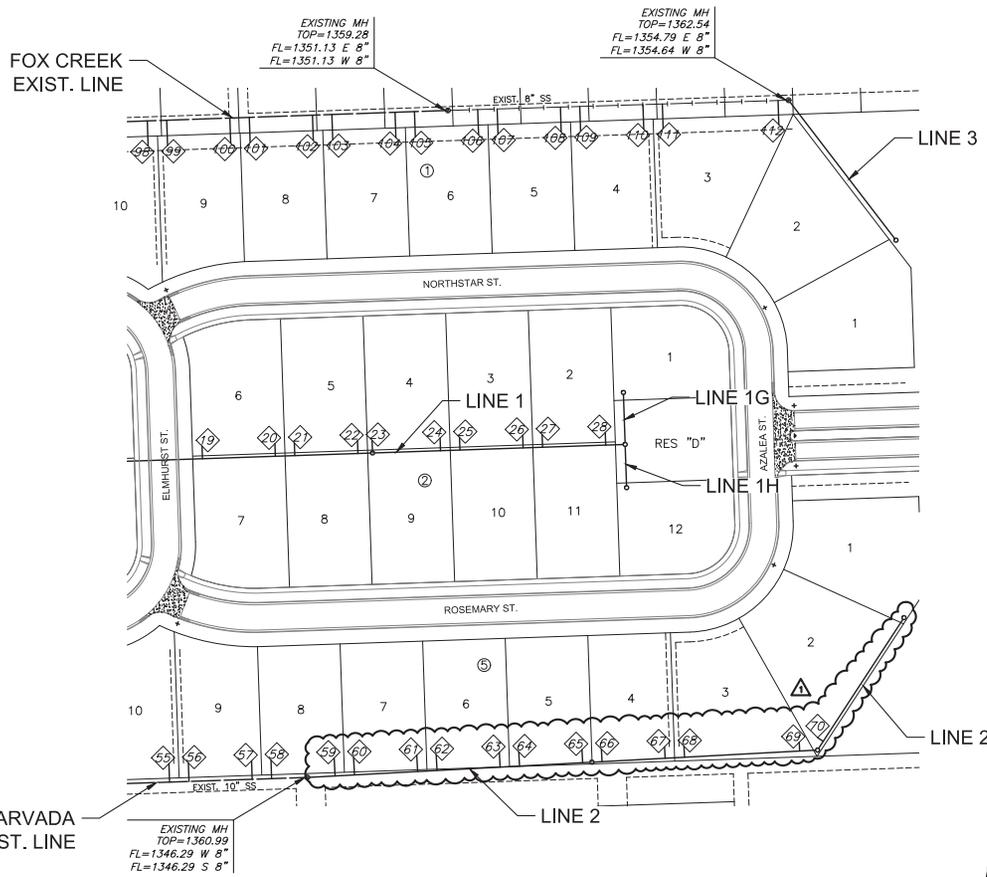
NO.	TYPE	LOCATION			STATION	DIRECTION	FOR INFORMATION ONLY		Distance from Man to Riser (L/R)	Distance from	
		LOT NO.	BLOCK NO.	LINE NO.			APPROXIMATE LENGTH	Upstream MH		Downstream MH	
						VERTICAL (FT)	HORIZONTAL (FT)				
6	4" TEE	7	3	1	20+17.70	LT	7'	13'	14' LL	175'	190'
7	4" TEE	7	3	1	20+92.70	LT	7'	13'	14' LL	100'	265'
8	4" TEE	6	3	1	21+12.70	LT	7'	13'	14' LL	80'	285'
9	4" TEE	6	3	1	21+77.70	LT	7'	13'	14' LL	15'	349'
10	4" MH CONNECTION	5	3	1	21+92.70	LT	8'	13'	14' LL	365'	339'
11	4" TEE	6	3	1	22+62.70	LT	7'	13'	14' LL	270'	70'
12	4" TEE	4	3	1	22+82.70	LT	7'	13'	14' LL	251'	91'
13	4" TEE	4	3	1	23+47.70	LT	7'	13'	14' LL	184'	156'
14	4" TEE	3	3	1	23+67.70	LT	7'	13'	14' LL	165'	175'
15	4" TEE	3	3	1	24+32.70	LT	7'	13'	14' LL	100'	240'
16	4" TEE	2	3	1	24+52.70	LT	7'	13'	14' LL	80'	260'
17	4" TEE	2	3	1	25+17.70	LT	7'	13'	14' LL	15'	324'
18	4" MH CONNECTION	1	3	1	25+32.70	LT	7'	13'	14' LL	334'	340'
40	4" TEE	17	5	ARVADA	18+66.50	LT	15'	19'	20' LL	148'	162'
41	4" TEE	17	5	ARVADA	19+31.50	LT	15'	19'	20' LL	83'	227'
42	4" TEE	16	5	ARVADA	19+51.50	LT	15'	19'	20' LL	63'	247'
43	4" MH CONNECTION	16	5	ARVADA	20+14.30	LT	15'	19'	20' LL	344'	310'
44	4" TEE	15	5	ARVADA	20+36.50	LT	15'	19'	20' LL	321'	32'
45	4" TEE	15	5	ARVADA	21+01.50	LT	15'	19'	20' LL	257'	87'
46	4" TEE	14	5	ARVADA	21+21.50	LT	15'	19'	20' LL	237'	107'
47	4" TEE	14	5	ARVADA	21+86.50	LT	15'	19'	20' LL	172'	172'
48	4" TEE	13	5	ARVADA	22+06.50	LT	15'	19'	20' LL	152'	192'
49	4" TEE	13	5	ARVADA	22+71.50	LT	15'	19'	20' LL	86'	258'
50	4" TEE	12	5	ARVADA	22+91.50	LT	15'	19'	20' LL	67'	277'
51	4" MH CONNECTION	12	5	ARVADA	23+58.30	LT	15'	19'	20' LL	310'	344'
52	4" TEE	11	5	ARVADA	23+76.50	LT	15'	19'	20' LL	292'	18'
53	4" TEE	11	5	ARVADA	24+41.50	LT	14'	19'	20' LL	227'	83'
54	4" TEE	10	5	ARVADA	24+61.50	LT	14'	19'	20' LL	207'	103'
83	4" TEE	17	1	FOX CREEK	09+83.70	RT	10'	24'	25' RL	259'	110'
84	4" TEE	17	1	FOX CREEK	10+48.70	RT	10'	24'	25' RL	194'	175'
85	4" TEE	16	1	FOX CREEK	10+68.70	RT	10'	24'	25' RL	174'	195'
86	4" TEE	16	1	FOX CREEK	11+33.70	RT	10'	24'	25' RL	109'	261'
87	4" TEE	15	1	FOX CREEK	11+53.70	RT	10'	24'	25' RL	89'	280'
88	4" TEE	15	1	FOX CREEK	12+18.67	RT	9'	24'	25' RL	24'	345'
89	4" MH CONNECTION	14	1	FOX CREEK	12+42.65	RT	9'	24'	25' RL	350'	369'
90	4" TEE	14	1	FOX CREEK	13+03.66	RT	9'	24'	25' RL	292'	58'
91	4" TEE	13	1	FOX CREEK	13+23.66	RT	9'	24'	25' RL	266'	84'
92	4" TEE	13	1	FOX CREEK	13+88.56	RT	9'	24'	25' RL	204'	146'
93	4" TEE	12	1	FOX CREEK	14+08.66	RT	9'	24'	25' RL	184'	166'
94	4" TEE	12	1	FOX CREEK	14+73.66	RT	8'	24'	25' RL	119'	231'
95	4" TEE	11	1	FOX CREEK	14+93.66	RT	8'	24'	25' RL	99'	251'
96	4" TEE	11	1	FOX CREEK	15+58.66	RT	8'	24'	25' RL	38'	316'
97	4" TEE	10	1	FOX CREEK	15+78.66	RT	8'	24'	25' RL	17'	332'



PROJECT NO.	469-2024-037552	
DATE	JAN. 2024	
SCALE	1"=60'	
DESIGNED	DFL	
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CHECKED	SPE	
NO.	REVISION	DATE
SHEET NO.		

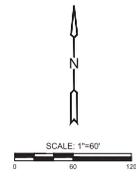


DITION



NO.	TYPE	LOCATION			STATION	DIRECTION	APPROXIMATE LENGTH		Distance from Manhole to Riser (L/R)	
		LOT NO.	BLOCK NO.	LINE NO.			VERTICAL (FT)	HORIZONTAL (FT)	Upstream MH	Downstream MH
19	4" TEE	6	2	1	26+92.70	LT	6'	13'	14' L	174'
20	4" TEE	6	2	1	27+67.70	LT	6'	13'	14' L	100'
21	4" TEE	5	2	1	27+87.70	LT	6'	13'	14' L	79'
22	4" TEE	5	2	1	28+52.70	LT	6'	13'	14' L	319'
23	4" MH CONNECTION	4	2	1	28+67.70	LT	6'	13'	14' L	260'
24	4" TEE	4	2	1	29+37.70	LT	6'	13'	14' L	190'
25	4" TEE	3	2	1	29+57.70	LT	6'	13'	14' L	170'
26	4" TEE	3	2	1	30+22.70	LT	6'	13'	14' L	105'
27	4" TEE	2	2	1	30+42.70	LT	6'	13'	14' L	85'
28	4" TEE	2	2	1	31+07.70	LT	6'	13'	14' L	21'
55	4" TEE	10	5	ARVADA	25+26.50	LT	14'	19'	20' L	142'
56	4" TEE	9	5	ARVADA	25+46.50	LT	14'	19'	20' L	122'
57	4" TEE	9	5	ARVADA	26+11.50	LT	14'	19'	20' L	57'
58	4" TEE	8	5	ARVADA	26+31.50	LT	14'	19'	20' L	37'
59	4" TEE	8	5	2	10+28.71	LT	12'	18'	20' L	262'
60	4" TEE	7	5	2	10+48.70	LT	12'	18'	20' L	244'
61	4" TEE	7	5	2	11+13.71	LT	12'	17'	20' L	178'
62	4" TEE	6	5	2	11+33.70	LT	12'	16'	20' L	168'
63	4" TEE	6	5	2	11+98.67	LT	12'	15'	20' L	94'
64	4" TEE	5	5	2	12+18.67	LT	11'	15'	20' L	74'
65	4" TEE	5	5	2	12+83.67	LT	11'	13'	20' L	9'
66	4" TEE	4	5	2	13+03.67	LT	11'	13'	20' L	224'
67	4" TEE	4	5	2	13+68.64	LT	11'	12'	20' L	159'
68	4" TEE	3	5	2	13+88.65	LT	10'	11'	20' L	138'
69	4" TEE	3	5	2	15+07.22	LT	9'	9'	20' L	21'
70	4" TEE	2	5	2	15+36.34	LT	9'	7'	13' L	151'
98	4" TEE	10	1	FOX CREEK	16+45.70	RT	8'	25'	26' R	309'
99	4" TEE	9	1	FOX CREEK	16+63.70	RT	8'	25'	26' R	289'
100	4" TEE	9	1	FOX CREEK	17+28.68	RT	8'	25'	26' R	224'
101	4" TEE	8	1	FOX CREEK	17+48.68	RT	8'	25'	26' R	205'
102	4" TEE	8	1	FOX CREEK	18+13.70	RT	8'	25'	26' R	144'
103	4" TEE	7	1	FOX CREEK	18+33.70	RT	8'	25'	26' R	119'
104	4" TEE	7	1	FOX CREEK	18+98.68	RT	8'	25'	26' R	55'
105	4" TEE	6	1	FOX CREEK	19+18.70	RT	8'	25'	26' R	35'
106	4" TEE	6	1	FOX CREEK	19+83.78	RT	8'	25'	26' R	319'
107	4" TEE	5	1	FOX CREEK	20+03.78	RT	8'	25'	26' R	299'
108	4" TEE	5	1	FOX CREEK	20+68.88	RT	7'	25'	26' R	234'
109	4" TEE	4	1	FOX CREEK	20+88.78	RT	7'	25'	26' R	214'
110	4" TEE	4	1	FOX CREEK	21+53.78	RT	7'	25'	26' R	150'
111	4" TEE	3	1	FOX CREEK	21+73.72	RT	7'	25'	26' R	124'
112	4" TEE	3	1	FOX CREEK	22+92.85	RT	9'	25'	26' R	11'

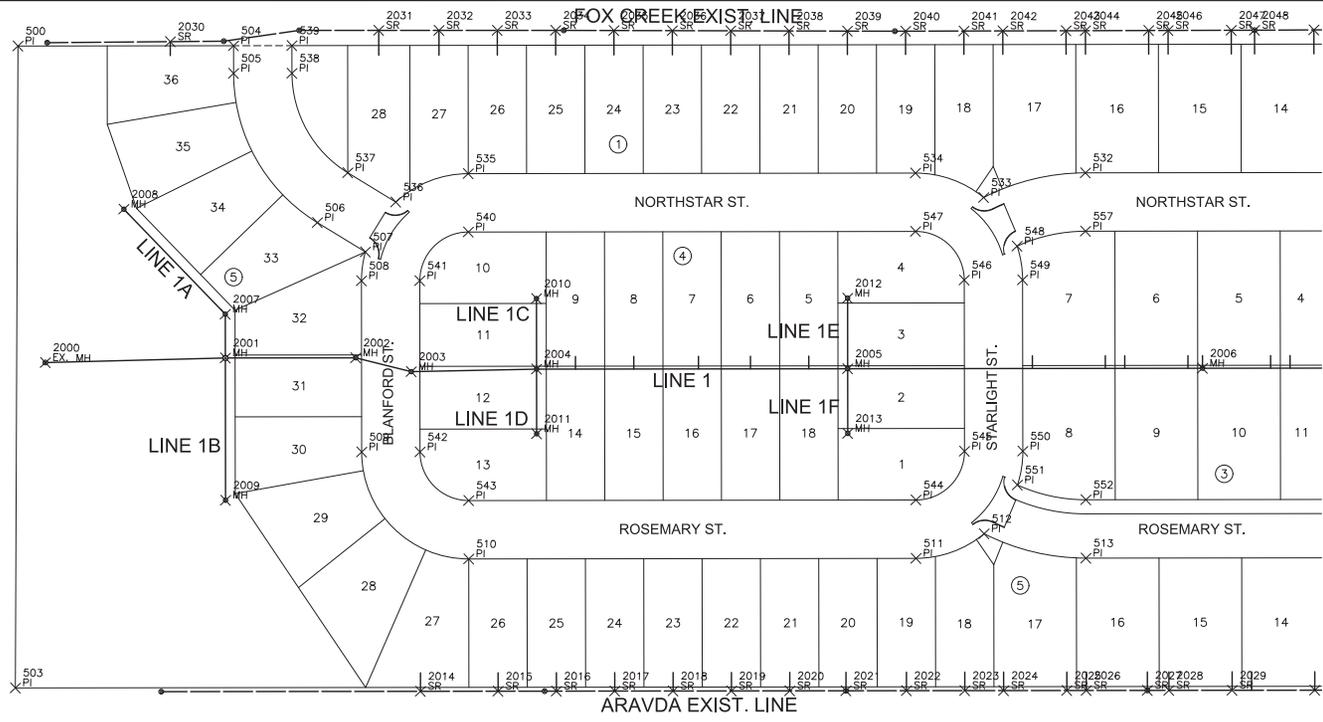
SEE RISER DETAIL SHEET 03



PROJECT NO.	68-2023-037552	
DATE	AUG. 2024	
SCALE		
DESIGNED	DRAWN	CHECKED
DFL	BWS	SPE
NO. REVISION DATE		
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14 OF 22		



SANITARY SEWER
THE HEIGHTS AT MAIZE ADDITION
MAIZE, KANSAS



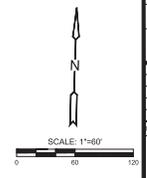
PLAT POINTS			
Point #	Northing	Easting	Desc.
500	1708382.64	1604446.58	PI
503	1707723.15	1604465.29	PI
504	1708390.16	1604668.20	PI
505	1708361.75	1604669.16	PI
506	1708211.27	1604760.27	PI
507	1708182.75	1604810.58	PI
508	1708152.93	1604807.50	PI
509	1707977.03	1604813.43	PI
510	1707870.80	1604927.08	PI
511	1707886.31	1605386.82	PI
512	1707913.87	1605456.01	PI
513	1707892.20	1605561.50	PI
532	1708287.97	1605448.15	PI
533	1708259.24	1605444.36	PI
534	1708282.08	1605373.47	PI
535	1708266.58	1604913.73	PI
536	1708234.94	1604840.18	PI
537	1708263.47	1604789.87	PI
538	1708363.78	1604729.13	PI
539	1708392.19	1604728.17	PI

PLAT POINTS			
Point #	Northing	Easting	Desc.
540	1708206.61	1604915.75	PI
541	1708154.95	1604867.47	PI
542	1707979.05	1604873.40	PI
543	1707930.77	1604925.06	PI
544	1707946.27	1605384.79	PI
545	1707997.93	1605433.08	PI
546	1708173.83	1605427.15	PI
547	1708222.12	1605375.49	PI
548	1708210.38	1605480.32	PI
549	1708175.85	1605487.11	PI
550	1707999.95	1605493.05	PI
551	1707965.05	1605488.59	PI
552	1707952.16	1605559.48	PI
557	1708228.01	1605550.18	PI

SANITARY POINTS			
Point #	Northing	Easting	Desc.
2000	1708058.40	1604485.30	EX. MH
2001	1708069.13	1604670.18	MH
2002	1708073.59	1604804.17	MH
2003	1708061.28	1604861.72	MH
2004	1708068.05	1604990.46	MH
2005	1708078.84	1605310.28	MH
2006	1708091.14	1605675.01	MH
2007	1708114.10	1604668.66	MH
2008	1708218.54	1604560.84	MH
2009	1707922.95	1604675.11	MH
2010	1708140.51	1604988.02	MH
2011	1708001.59	1604992.71	MH
2012	1708151.30	1605307.84	MH
2013	1708012.37	1605312.52	MH

SANITARY RISER POINTS			
Point #	Northing	Easting	Desc.
2014	1707733.20	1604881.86	SR
2015	1707735.89	1604961.64	SR
2016	1707737.91	1605021.61	SR
2017	1707739.94	1605081.58	SR
2018	1707741.96	1605141.54	SR
2019	1707743.98	1605201.51	SR
2020	1707746.00	1605261.47	SR
2021	1707747.95	1605319.25	SR
2022	1707750.05	1605381.41	SR
2023	1707752.07	1605441.37	SR
2024	1707753.42	1605481.35	SR
2025	1707755.61	1605546.31	SR
2026	1707756.28	1605566.30	SR
2027	1707758.40	1605629.08	SR
2028	1707759.15	1605651.25	SR
2029	1707761.34	1605716.22	SR
2030	1708392.22	1604602.99	SR
2031	1708410.74	1604816.90	SR
2032	1708412.75	1604878.82	SR
2033	1708414.69	1604938.79	SR

SANITARY RISER POINTS			
Point #	Northing	Easting	Desc.
2034	1708416.64	1604998.75	SR
2035	1708418.45	1605058.69	SR
2036	1708420.26	1605118.76	SR
2037	1708422.05	1605178.73	SR
2038	1708423.85	1605238.70	SR
2039	1708425.65	1605298.68	SR
2040	1708427.50	1605358.52	SR
2041	1708429.54	1605418.49	SR
2042	1708431.02	1605458.48	SR
2043	1708433.31	1605523.44	SR
2044	1708434.01	1605543.42	SR
2045	1708436.30	1605608.38	SR
2046	1708437.01	1605628.37	SR
2047	1708439.29	1605693.30	SR
2048	1708440.14	1605717.26	SR
2049	1708442.44	1605778.23	SR



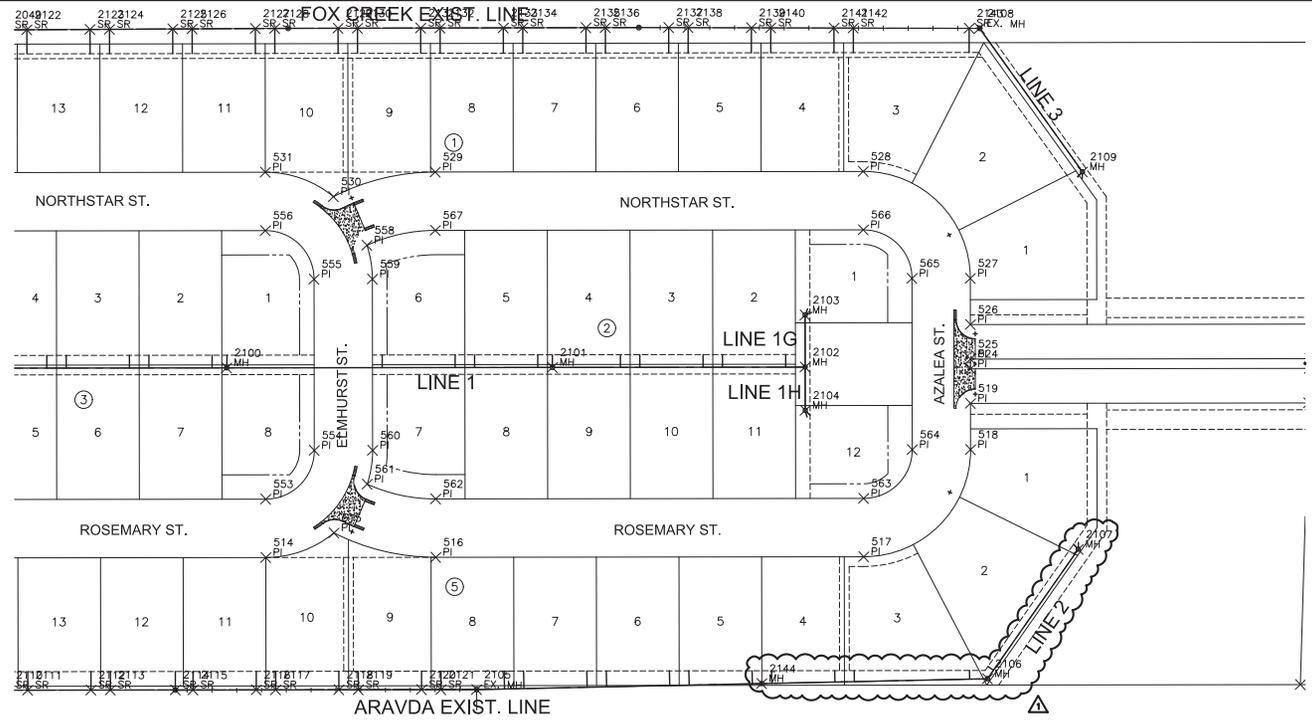
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BUBBLE MAP 1

PROJECT NO.	469-2024-037552	
DATE	JAN. 2024	
SCALE	1"=60'	
DESIGNED	DRAWN	CHECKED
DFL	BWS	SPE
NO.	REVISION	DATE
SHEET NO.		
15 OF 22		



SANITARY SEWER
THE HEIGHTS AT MAIZE ADDITION
MAIZE, KANSAS



PAVING POINTS			
Point #	Northing	Easting	Desc.
501	1708473.56	1607127.29	PI
502	1707812.99	1607129.21	PI
514	1707909.06	1606061.43	PI
515	1707936.62	1606130.62	PI
516	1707914.95	1606236.12	PI
517	1707929.79	1606676.08	PI
518	1708043.43	1606782.31	PI
519	1708090.91	1606780.71	PI
520	1708102.63	1607128.36	PI
521	1708138.15	1607128.26	PI
522	1708148.15	1607128.23	PI
523	1708183.67	1607128.13	PI
524	1708126.39	1606779.52	PI
525	1708136.38	1606779.18	PI
526	1708171.86	1606777.98	PI
527	1708219.33	1606776.38	PI
528	1708325.56	1606662.74	PI
529	1708310.72	1606222.77	PI
530	1708282.00	1606118.98	PI
531	1708304.83	1606048.08	PI

PAVING POINTS			
Point #	Northing	Easting	Desc.
553	1707969.02	1606059.41	PI
554	1708020.68	1606107.70	PI
555	1708196.58	1606101.76	PI
556	1708244.87	1606050.11	PI
558	1708233.13	1606154.94	PI
559	1708198.60	1606161.73	PI
560	1708022.70	1606167.66	PI
561	1707987.80	1606163.21	PI
562	1707974.92	1606234.10	PI
563	1707989.75	1606674.06	PI
564	1708041.41	1606722.35	PI
565	1708217.31	1606716.41	PI
566	1708265.60	1606664.76	PI
567	1708250.76	1606224.79	PI

SANITARY POINTS			
Point #	Northing	Easting	Desc.
2100	1708102.60	1606014.88	MH
2101	1708113.89	1606349.69	MH
2102	1708122.65	1606609.54	MH
2103	1708176.04	1606607.74	MH
2104	1708078.18	1606611.04	MH
2105	1707780.43	1606282.56	EX. MH
2106	1707808.55	1606807.38	MH
2107	1707944.61	1606896.34	MH
2108	1708476.45	1606777.60	EX. MH
2109	1708332.57	1606888.06	MH
2144	1707796.12	1606575.42	MH

SANITARY RISER POINTS			
Point #	Northing	Easting	Desc.
2110	1707764.20	1605801.17	SR
2111	1707764.88	1605821.16	SR
2112	1707767.07	1605886.12	SR
2113	1707767.74	1605906.11	SR
2114	1707769.99	1605972.89	SR
2115	1707770.61	1605991.06	SR
2116	1707772.80	1606056.02	SR
2117	1707773.47	1606076.01	SR
2118	1707775.66	1606140.97	SR
2119	1707776.33	1606160.96	SR
2120	1707778.52	1606225.93	SR
2121	1707779.20	1606245.91	SR
2122	1708443.20	1605798.22	SR
2123	1708445.66	1605863.07	SR
2124	1708446.42	1605883.16	SR
2125	1708448.88	1605948.11	SR
2126	1708449.64	1605968.09	SR
2127	1708452.10	1606033.05	SR
2128	1708452.85	1606053.03	SR
2129	1708455.16	1606118.04	SR

SANITARY RISER POINTS			
Point #	Northing	Easting	Desc.
2130	1708455.85	1606138.02	SR
2131	1708458.11	1606202.97	SR
2132	1708458.81	1606222.95	SR
2133	1708461.07	1606287.94	SR
2134	1708461.77	1606307.93	SR
2135	1708464.03	1606372.86	SR
2136	1708464.72	1606392.87	SR
2137	1708466.93	1606457.91	SR
2138	1708467.61	1606477.90	SR
2139	1708469.40	1606542.98	SR
2140	1708470.07	1606562.86	SR
2141	1708471.95	1606627.84	SR
2142	1708472.63	1606647.77	SR
2143	1708476.13	1606766.85	SR

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BUBBLE MAP 2

PROJECT NO.	468-2023-037552
DATE	AUG. 2024
SCALE	1"=60'
DESIGNED	DFL
DRAWN	BWS
CHECKED	SPE

