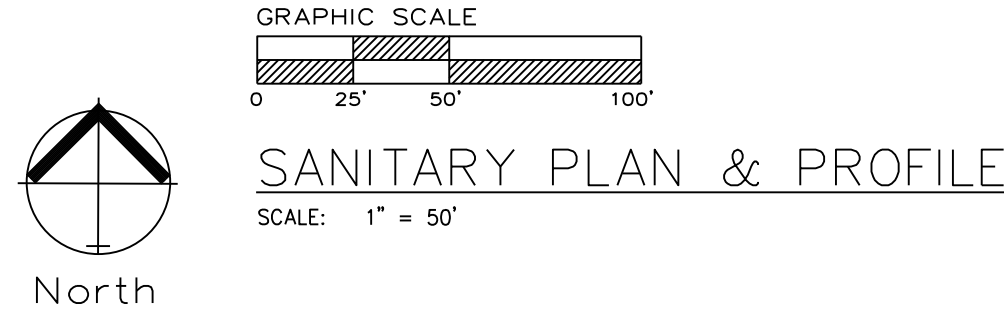
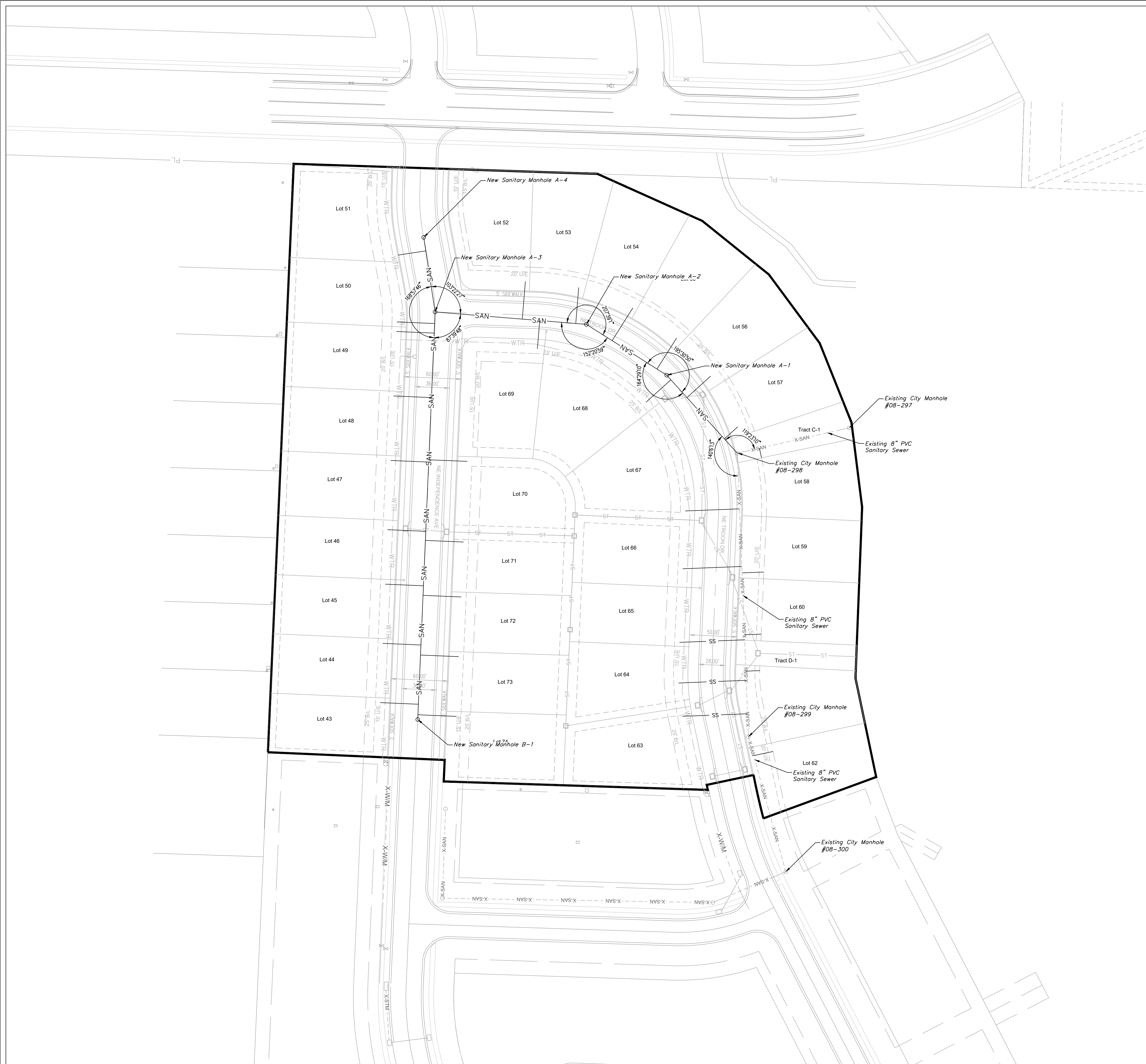


LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

C.400



GENERAL NOTE:
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2 ~ TRENCH CHECKS SHALL BE INSTALL AT ALL SANITARY WYES LOCATION.

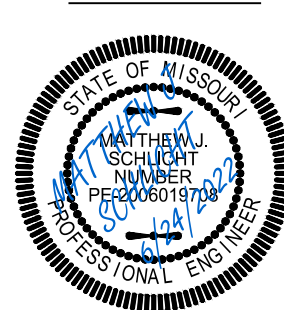


Professional Registration
Missouri
Engineering 2005002186-D
Surveying 2005008319-D
Kansas
Engineering E-1685
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

THE VILLAGES OF CHAPEL RIDGE-2ND PLAT
LOTS 43-76 A-D
Lee's Summit, Jackson County, Missouri

Project:
VILLAGES OF CHAPEL
RIDGE-LSMO
Issue Date:
June 24, 2022

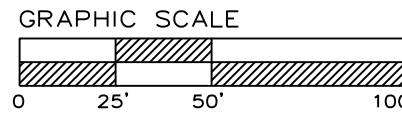
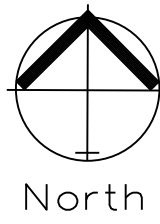
Sanitary Sewer General Layout
Construction Plans for:
THE VILLAGES OF CHAPEL RIDGE-2ND PLAT
LOTS 43-76
Lee's Summit, Jackson County, Missouri



Matthew J. Schlicht
MO PE 0006019708
KS PE 19071
OK PE 25226
NE PE E-14335

REVISIONS

GENERAL NOTE:
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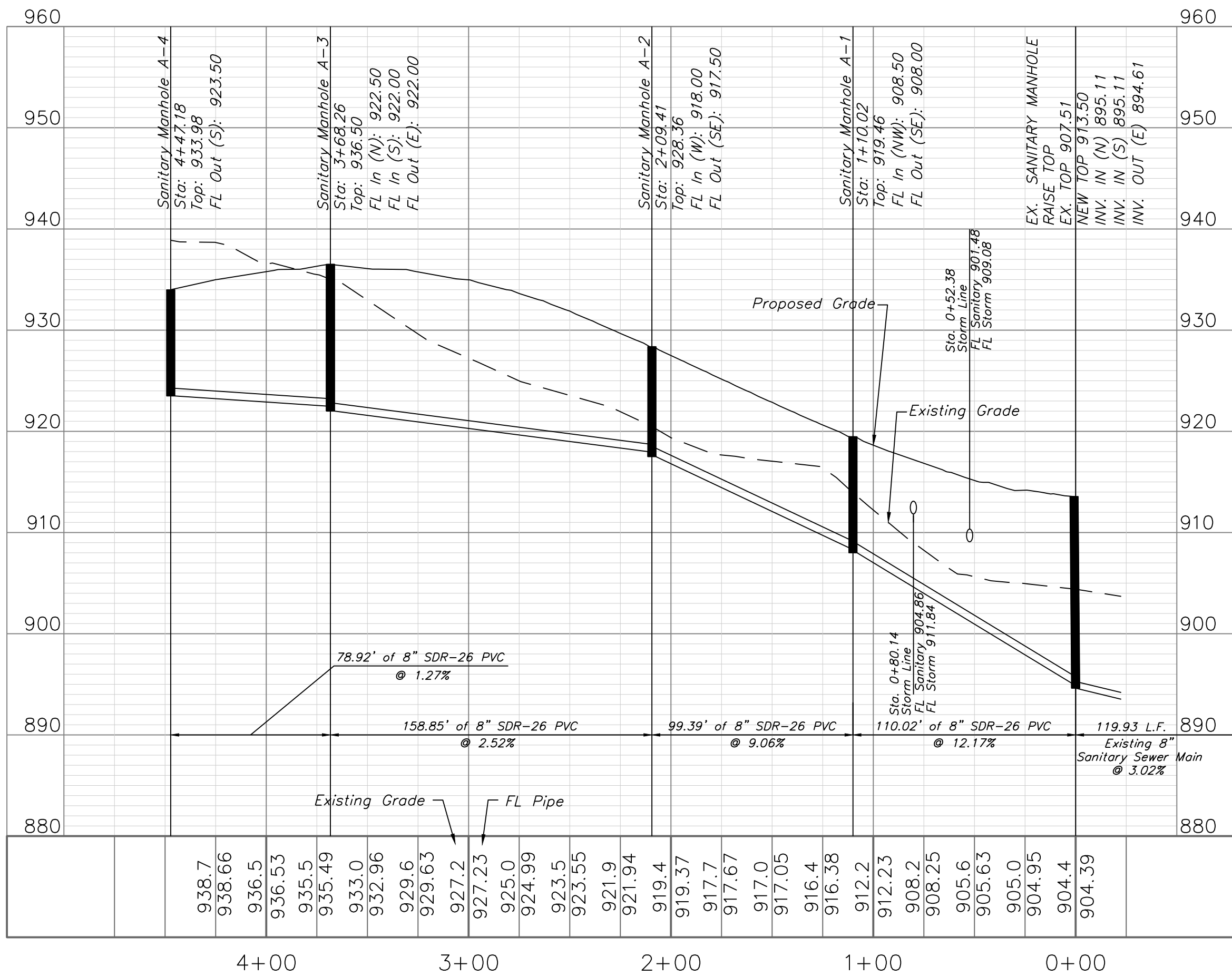


SANITARY PLAN & PROFILE

SCALE: 1" = 50'



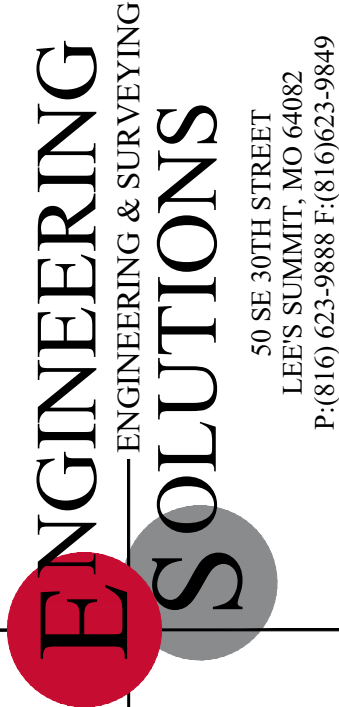
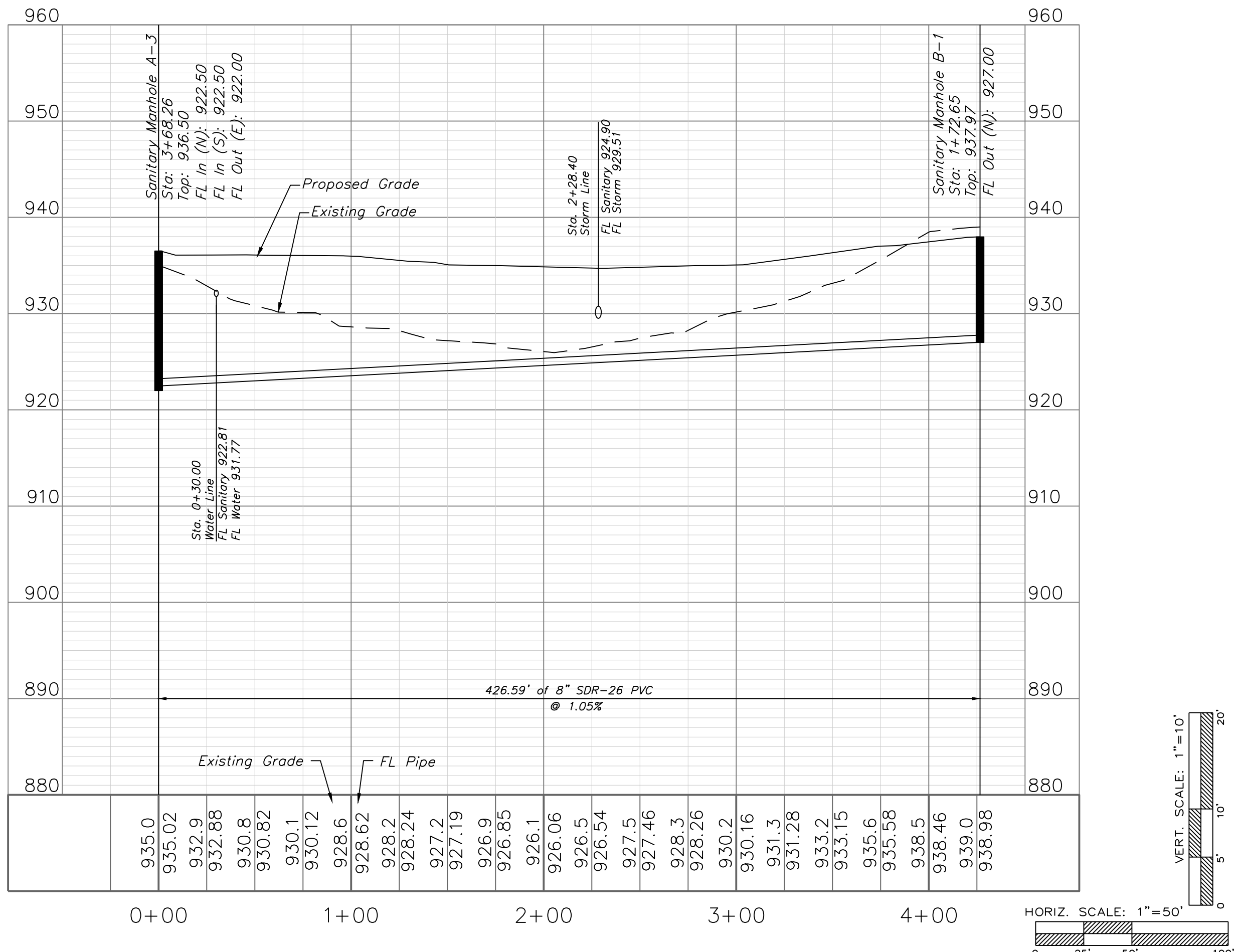
SANITARY LINE A



Sewer Stub Table - Line A					
Lot	Station	Main FL	Length	Slope (%)	MSFE
51	4+32.87	923.32	29.29	2	927.32
52	2+76.75	919.70	39.56	2	923.70
53	2+20.63	918.28	37.76	2	922.28
54	1+67.62	913.71	40.59	2	917.71
55	1+22.09	909.59	38.24	2	913.59
56	0+78.5	904.66	33.41	2	908.66
57	0+20.2	897.56	18.78	2	901.56
69	2+58.43	919.24	29.7	2	923.24
68	1+03.62	907.72	34.98	2	911.72

Sewer Stub Table - Line B					
Lot	Station	Main FL	Length	Slope (%)	MSFE
50	0+12.07	922.14	39.6	2	926.14
49	0+22.15	922.26	39.62	2	926.26
48	0+89.65	923.05	40	2	927.05
47	1+57.51	923.84	40	2	927.84
46	2+29.65	924.67	40	2	928.67
45	2+86.65	925.35	40	2	929.35
44	3+48.65	926.08	40	2	930.08
43	4+10.65	926.8	40	2	930.80
70	1+54.75	923.81	40.05	2	927.81
71	2+34.10	924.74	40	2	928.74
72	2+96.59	925.46	40	2	929.46
73	3+61.05	926.22	40	2	930.22
74	4+21.59	926.93	40	2	930.93

SANITARY LINE B

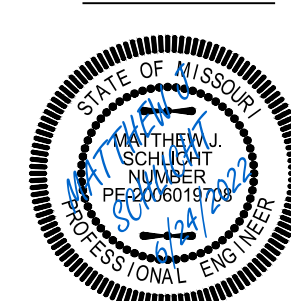


Professional Registration
Missouri
Engineering 2005002186-D
Surveying 2005008319-D
Kansas
Engineering E-1695
Surveying LS-218
Oklahoma
Engineering 5254
Nebraska
Engineering CA2821

THE VILLAGES OF FAIRFIELD RIDGE 2ND PLAT
LOTS 43-76 A-D
Lee's Summit, Jackson County, Missouri

Project:
VILLAGES OF FAIRFIELD RIDGE 2ND PLAT
Issue Date:
June 24, 2022

Sanitary Plan and Profile
Construction Plans for:
THE VILLAGES OF FAIRFIELD RIDGE 2ND PLAT
LOTS 43-76
Lee's Summit, Jackson County, Missouri

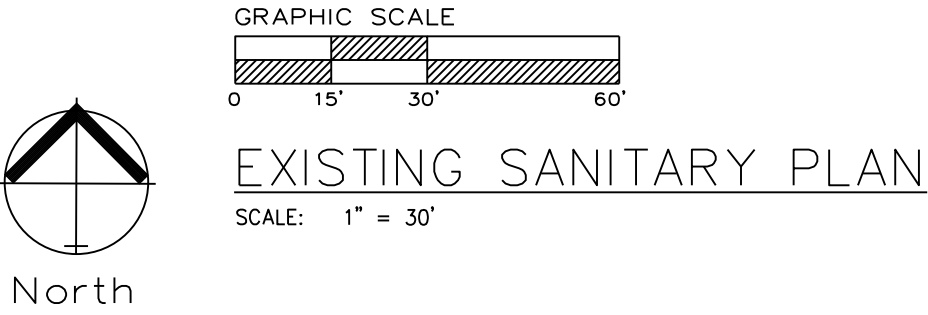


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REVISIONS

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Sewer Stub Table- Existing Line						
Lot	Station	Main FL	Length	Slope (%)	MSFE	
58	-28.67	891.44	10.25	2	894.44	
67	0+58.23	895.39	56.85	2	899.39	
66	1+18.51	895.68	61.84	2	899.68	
59	1+25.26	895.71	22.89	2	898.71	
60	1+90.04	896.02	17.52	2	899.02	
65	1+95.3	896.05	68.21	2	900.05	
61	2+28.12	896.2	14.77	2	899.2	
64	2+37.7	896.25	70.85	2	900.25	
63	2+72.7	896.42	68.08	2	900.42	
62	3+17.19	896.82	20.67	2	899.82	



GENERAL NOTE:
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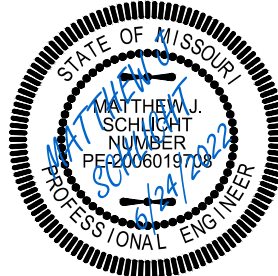


Professional Registration
Missouri
Engineering 2005002186-D
Surveying 2005008319-D
Kansas
Engineering E-1685
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

THE VILLAS OF CHAPEL RIDGE-2ND PLAT
LOTS 43-76
Lee's Summit, Jackson County, Missouri

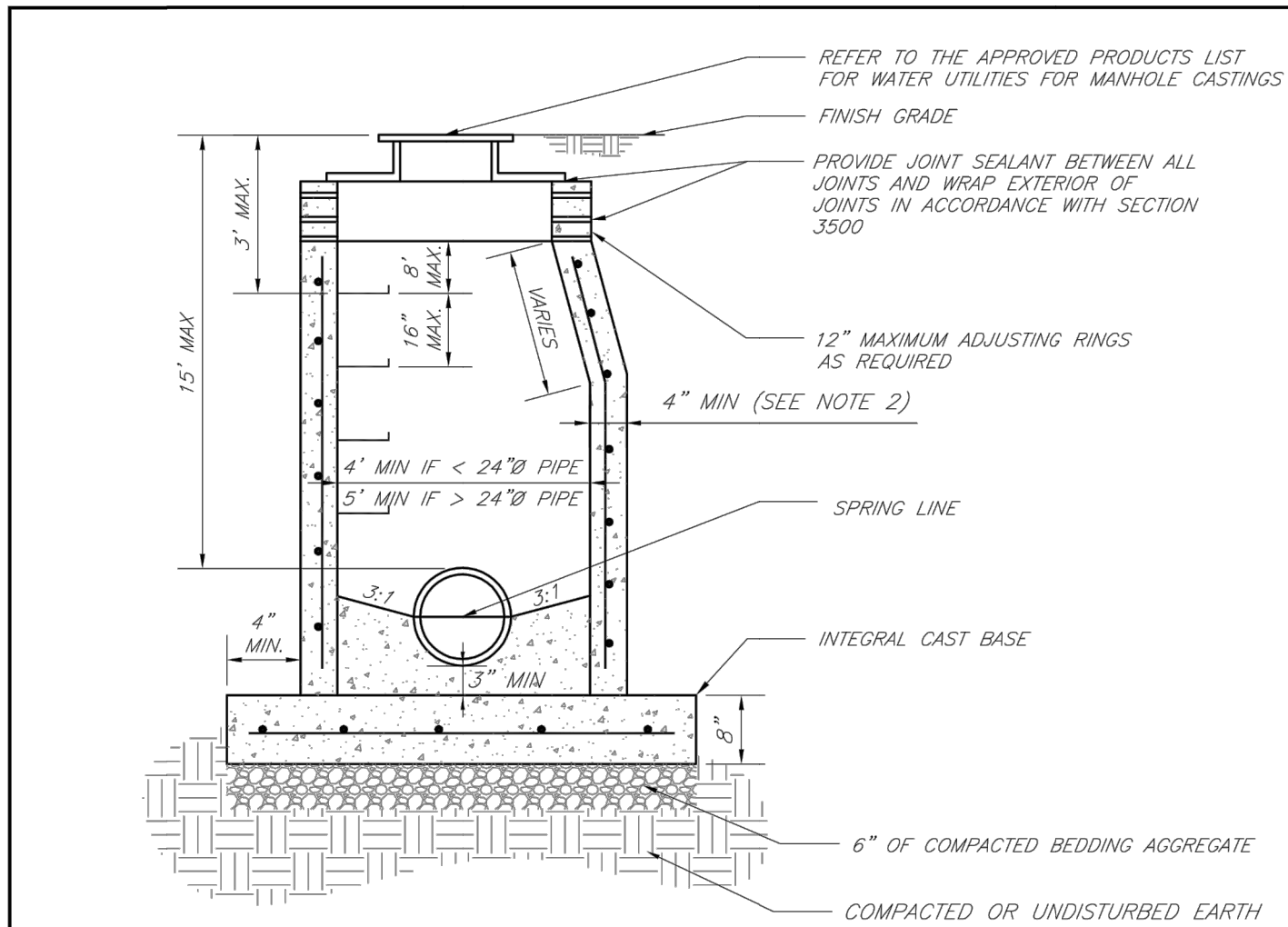
Project:
VILLAS OF CHAPEL
RIDGE-LSMO
Issue Date:
June 24, 2022

Existing Sanitary Sewer Plan
Construction Plans for:
THE VILLAS OF CHAPEL RIDGE-2ND PLAT
LOTS 43-76
Lee's Summit, Jackson County, Missouri



Matthew J. Schlicht
MO PE 0006019708
KS PE 19071
OK PE 25226
NE PE E-14335

REVISIONS



NOTES:

1. PRECAST CONCRETE MANHOLES SHALL CONFORM TO ASTM C478 EXCEPT AS MODIFIED BY THE SPECIFICATIONS.
2. A WALL THICKNESS NOT LESS THAN ONE-TWELFTH ($\frac{1}{12}$) OF THE INSIDE DIAMETER OR 4", WHICHEVER IS GREATER, SHALL BE USED WHEN THE MANHOLE DEPTH IS LESS THAN 15'.
3. WATERPROOFING SHALL BE REQUIRED ON THE OUTSIDE OF MANHOLES. THE WATERPROOFING SHALL CONSIST OF A TOTAL DRY FILM THICKNESS OF NOT LESS THAN 14 MILS OF BITUMINOUS COATING.
4. ONLY ECCENTRIC MANHOLE CONES WILL BE ALLOWED UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
5. THE FILL CONCRETE FLOW CHANNEL FOR SIDE BRANCHES SHALL BE PLACED TO PROVIDE A SMOOTH TRANSITION INTO THE FLOW LINE.
6. REFER TO THE APPROVED PRODUCTS LIST FOR WATER UTILITIES FOR APPROVED MANHOLE GASKET MODELS.
7. REFER TO THE APPROVED PRODUCTS LIST FOR APPROVED STEPS.

LS

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MISSOURI

PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64083

STANDARD PRECAST MANHOLE – SANITARY SEWER

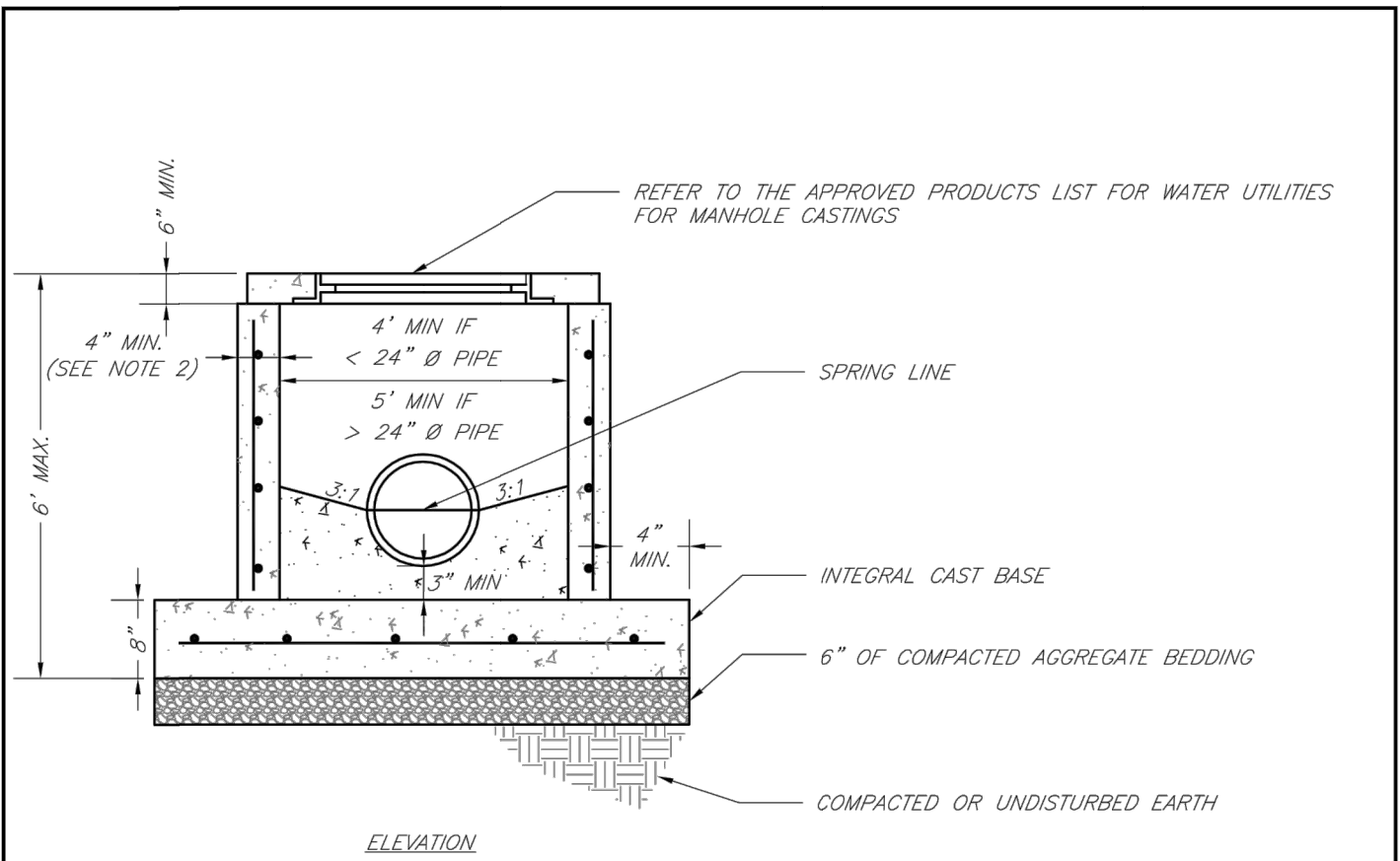
Date: 02/13

Drawn By: JN

Checked By: DL

FILE: SAN-2

Rev: 1/14



NOTES:

1. PRECAST CONCRETE MANHOLES SHALL CONFORM TO ASTM C478 EXCEPT AS MODIFIED BY THE SPECIFICATIONS.
2. A WALL THICKNESS NOT LESS THAN ONE-TWELFTH ($\frac{1}{12}$) OF THE INSIDE DIAMETER OR 4", WHICHEVER IS GREATER SHALL BE USED.
3. WATERPROOFING SHALL BE REQUIRED ON THE OUTSIDE OF MANHOLES. THE WATERPROOFING SHALL CONSIST OF A TOTAL DRY FILM THICKNESS OF NOT LESS THAN 14 MILS OF BITUMINOUS COATING.
4. THE FILL CONCRETE FLOW CHANNEL FOR SIDE BRANCHES SHALL BE PLACED TO PROVIDE A SMOOTH TRANSITION INTO THE FLOW LINE.
5. REFER TO THE APPROVED PRODUCTS LIST FOR WATER UTILITIES FOR MANHOLE GASKET MODELS.
6. PROVIDE STEPS AS SHOWN ON THE APPROVED PRODUCTS LIST FOR MANHOLE DEPTHS GREATER THAN 4'.

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SHALLOW PRECAST MANHOLE – SANITARY SEWER

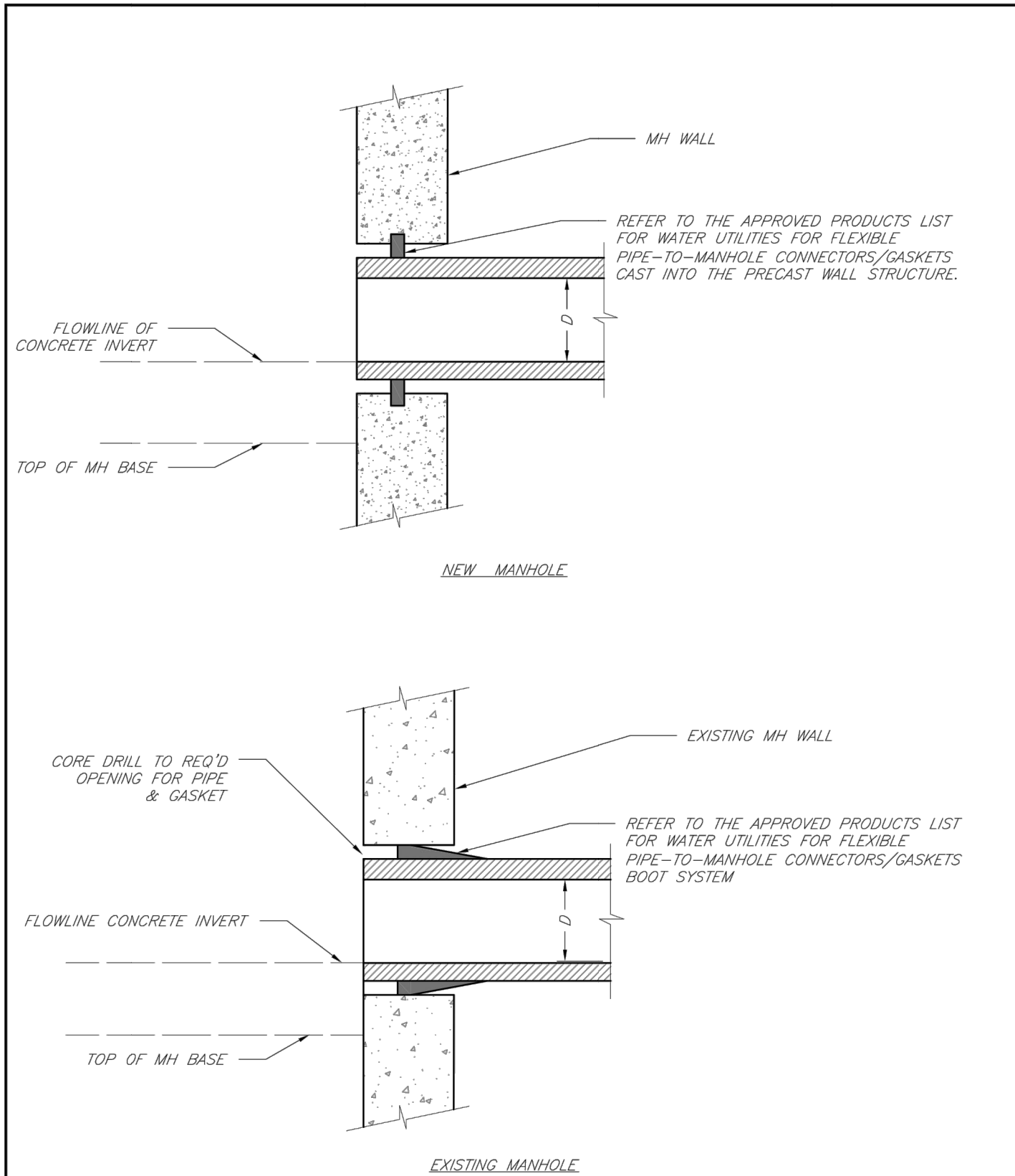
Date: 02/13

Drawn By: JN

Checked By: DL

FILE: SAN-3

Rev: 1/14



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MISSOURI

PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64083

MANHOLE WALL CONNECTIONS

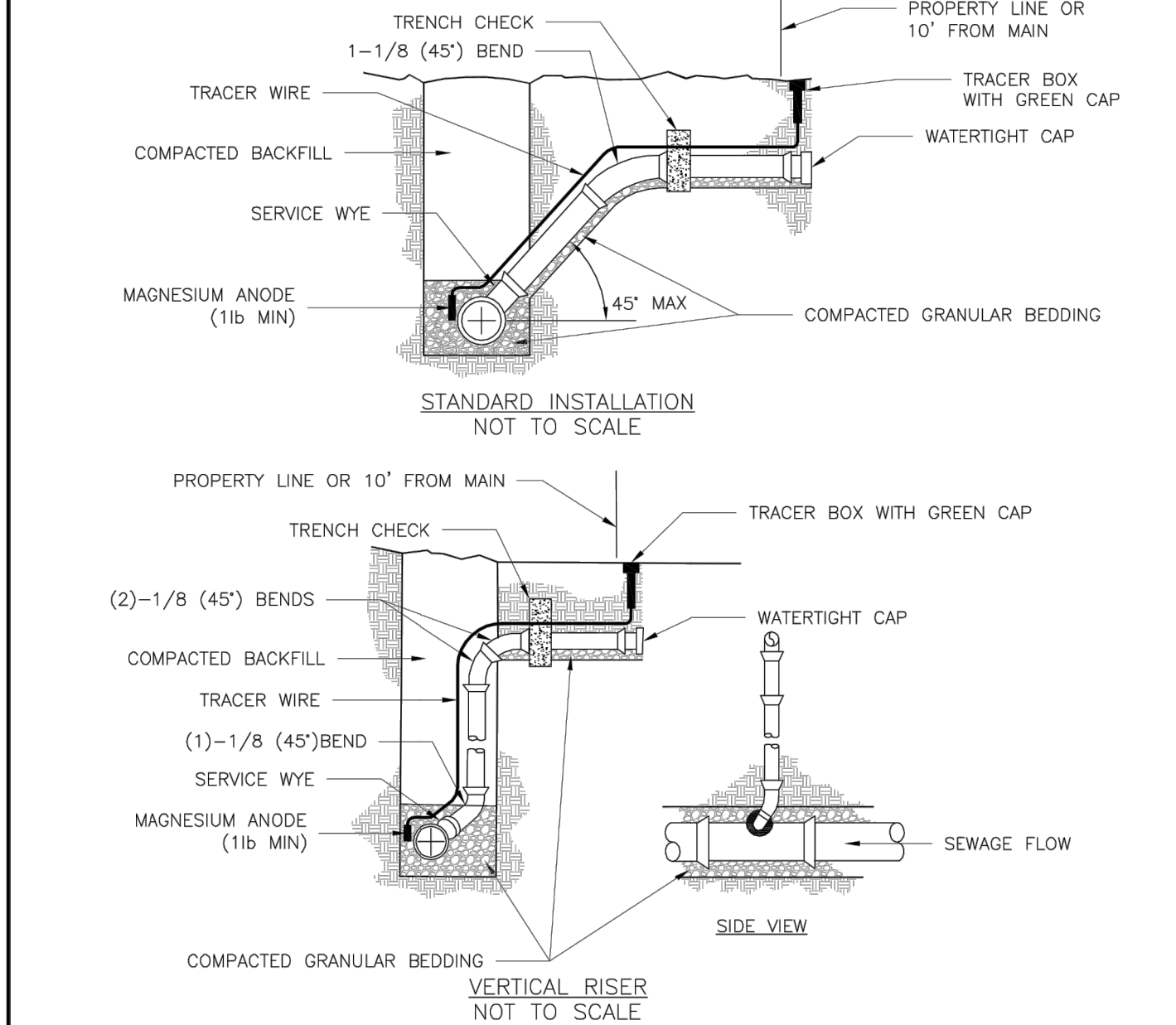
Date: 02/13

Drawn By: JN

Checked By: DL

FILE: SAN-5

Rev: 1/14



NOTES:

1. ALL SEWER STUBS SHALL BE CONSTRUCTED TO PROPERTY LINE OR 10' MINIMUM FROM THE MAIN, WHERE SIDEWALKS ARE PRESENT, CONTRACTOR SHALL EXTEND SERVICE LINE UNDER EXISTING SIDEWALK TO TWO FEET BEYOND.
2. ALL NEW CONSTRUCTION OFF SEWER STUBS SHALL BE TEMPORARILY MARKED WITH A MARKING STAKE, 36" ABOVE GROUND AND PAINTED GREEN.
3. IMPERVIOUS TRENCH CHECKS SHALL BE PLACED ON BUILDING SEWER STUBS (AT LEAST 5' AWAY FROM THE SANITARY SEWER MAIN).
4. TRENCH CHECKS ON THE BUILDING SEWER STUBS SHALL EXTEND 6" BELOW THE BOTTOM OF THE PIPE. LENGTH SHALL BE A MINIMUM OF 12". THE HEIGHT OF THE TRENCH CHECK SHALL EXTEND 12" ABOVE THE TOP OF THE PIPE. THE WIDTH OF THE TRENCH CHECK SHALL BE THE WIDTH OF THE TRENCH.
5. SEE SPECIFICATION SECTION 2100 FOR SEWER MAIN BEDDING AND BACKFILL.
6. #12 GAUGE GREEN INSULATED COPPER TRACER WIRE SHALL BE INSTALLED. TRACER WIRE TERMINAL BOXES SHALL BE INSTALLED DIRECTLY ABOVE THE SEWER SERVICE OR AS DETERMINED BY THE ENGINEER.
7. FOR SERVICES, TRACER WIRE SHALL RUN FROM THE WYE AND TERMINATE IN A FLUSH MOUNTED TRACER BOX WITH A GREEN CAST IRON LOCKABLE TOP. WIRE SHALL BE TAPED OR TIED TO THE PIPE AT 5' INTERVALS.
8. TRACER WIRE BOX SHALL BE INSTALLED WITHIN 1.0' OF PROPERTY LINE.
9. THE TRACER WIRE SHALL REMAIN CONTINUOUS TO THE GREATEST EXTENT POSSIBLE. SPLICES IN THE TRACER WIRE SHOULD BE MADE WITH SPLIT BOLT CONNECTORS. WIRE NUTS SHALL NOT BE USED. A WATER-PROOF CONNECTION IS NECESSARY TO PREVENT CORROSION.

LS

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PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64083

BUILDING SEWER STUB AND RISER

Date: 04/17

Drawn By: MIF

Checked By: DL

SAN-1

GENERAL NOTE:

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- 2 - TRENCH CHECKS SHALL BE INSTALL AT ALL SANITARY WYES LOCATION.