

THE VILLAS OF CHAPEL RIDGE-2ND PLAT

THE VILLAS OF CHAPEL RIDGE-2ND PLAT LOTS 43-74 and Tracts C-1 & D-1

SANITARY SEWER CONSTRUCTION PLANS

Section 8, Township 48 North, Range 31 West

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

CONSTRUCTION AND DESIGN NOTES:

SANITARY SEWERS:

- SANITARY SEWER PIPE SHALL BE POLY VINYL CHLORIDE (PVC), SDR-26, UNLESS NOTED OTHERWISE IN THESE PLANS.
- HOUSE SEWER LATERALS SHALL BE 4 INCH PVC, SDR-26. LATERALS SHALL BE CONSTRUCTED USING A TOP ORIENTED "WYE" AT THE SEWER STATION. SHOWN IN THESE PLANS. LATERALS SHALL BE LAID AT A GRADE OF 2.0% FROM THE SEWER MAIN TO THE STREET RIGHT-OF-WAY LINE OR EASEMENT LINE AS REPRESENTED BY THE LATERAL LENGTH SHOWN IN THESE PLANS. THE ELEVATION SHOWN FOR THE END OF THE LATERAL IN THESE PLANS IS APPROXIMATE. THE ACTUAL ELEVATION SHALL BE DETERMINED BY THE FLOW LINE ELEVATION OF THE SEWER MAIN, THE FITTINGS AND GRADE OF THE SEWER LATERAL.
- THE CONTRACTOR SHALL MAINTAIN A LOG OF THE "AS BUILT" STATION AND LENGTH OF EACH HOUSE LATERAL AND SHALL PROVIDE ENGINEERING SOLUTIONS, L.L.C. WITH A COPY OF SAID LOG UPON COMPLETION OF SEWER CONSTRUCTION.
- ALL MANHOLES INSTALLED IN THE STREET RIGHT-OF-WAY SHALL BE FINISHED 1/2" PER FOOT ABOVE THE NEAREST ADJACENT BACK OF CURB
- A STAKE SHALL BE PLACED AT THE END OF EACH WYE CONNECTION WITH THE END ELEVATION WRITTEN ON THE STAKE
- FILL AREAS SHALL HAVE 18" OF COMPACTED FILL IN PLACE PRIOR TO TRENCHING
- A TRENCH CHECK CONSISTING OF FLOWABLE FILL. MUST BE INSTALLED ON EVERY PRIVATE LATERAL.

GENERAL NOTE:

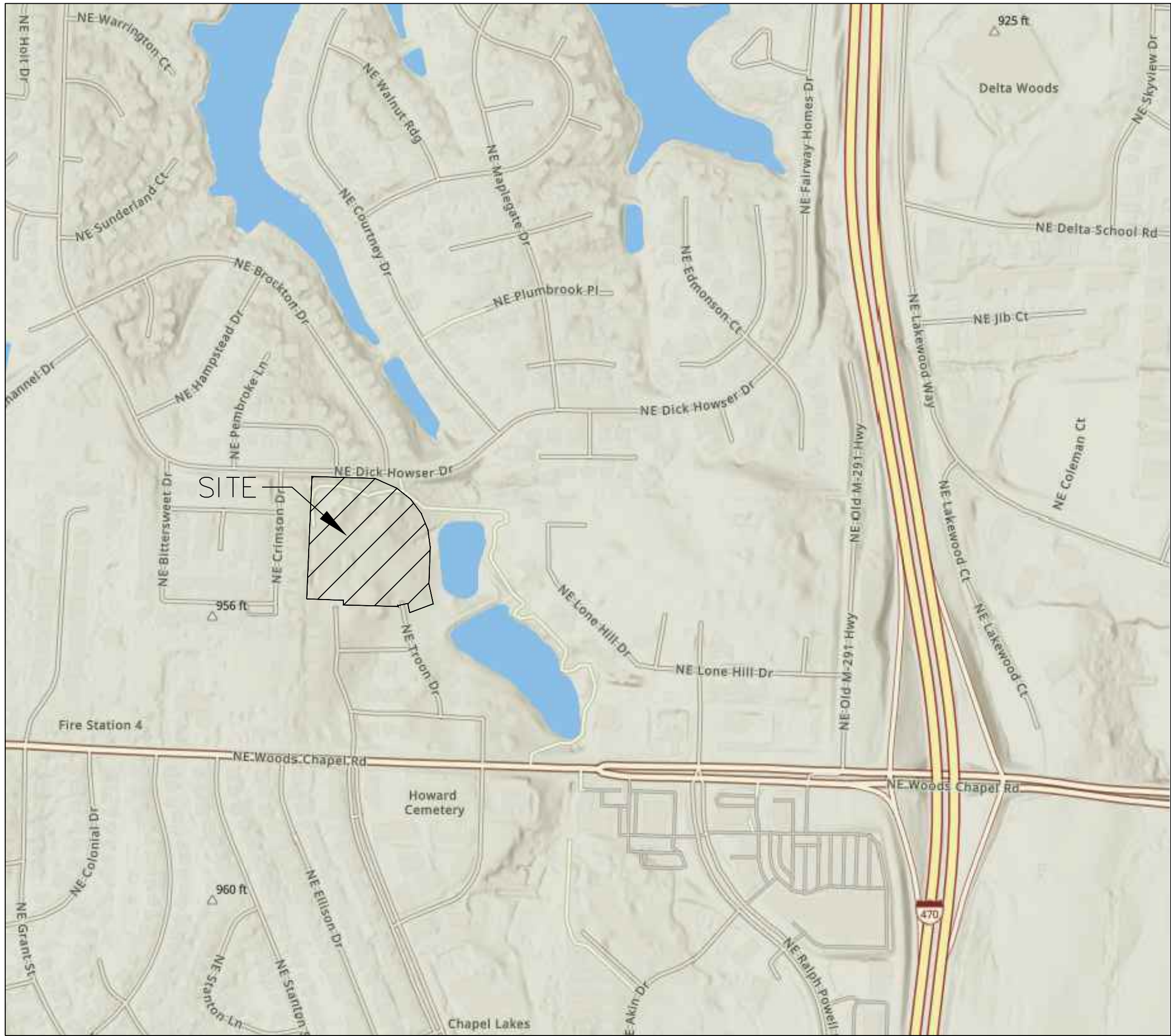
- ALL CONSTRUCTION SHALL CONFORM TO THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL AS ADOPTED BY ORDINANCE 5813.
- TRENCH CHECKS SHALL BE INSTALL AT ALL SANITARY WYES LOCATION.

OIL - GAS WELLS

ACCORDING TO EDWARD ALTON MAY JR'S ENVIRONMENTAL IMPACT STUDY OF ABANDONED OIL AND GAS WELLS IN LEE'S SUMMIT, MISSOURI IN 1995, THERE ARE NOT OIL AND GAS WELLS WITHIN 185 FEET OF THE PROPERTY AS SURVEYED HEREON.

FLOOD INFORMATION:

The property is located in Zone "X" areas outside the 100 year flood plain per FEMA Map 29095C0430G, dated January 20, 2017



UTILITY COMPANIES:

THE FOLLOWING LIST OF UTILITY COMPANIES IS PROVIDED FOR INFORMATION ONLY. WE DO NOT OFFER ANY GUARANTEE OR WARRANTY THAT THIS LIST IS COMPLETE OR ACCURATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES THAT MAY BE AFFECTED BY THE PROPOSED CONSTRUCTION AND VERIFYING THE ACTUAL LOCATION OF EACH UTILITY LINE. THE CONTRACTOR SHALL NOTIFY ENGINEERING SOLUTIONS AT 816.623.9888 OF ANY CONFLICT WITH PROPOSED IMPROVEMENTS.

EVERGY ~ 298-1196
MISSOURI GAS ENERGY ~ 756-5261
SOUTHWESTERN BELL TELEPHONE ~ 761-5011
COMCAST CABLE ~ 795-1100
WILLIAMS PIPELINE ~ 422-6300
CITY OF LEE'S SUMMIT PUBLIC WORKS ~ 969-1800
CITY OF LEE'S SUMMIT DEVELOPMENT ENGINEERING INSPECTION AT 816.969.1200
CITY OF LEE'S SUMMIT WATER UTILITIES ~ 969-1900
MISSOURI ONE CALL (DIG RITE) ~ 1-800-344-7483

LEGEND:

- B/L - BUILDING SET-BACK
- C/A - COMMON AREA
- D/E - DRAINAGE EASEMENT
- FND. - FOUND
- L/E - LANDSCAPE EASEMENT
- L.N.A. - LIMITS OF NO ACCESS
- R/W - RIGHT OF WAY
- SAN - SANITARY SEWER LINE
- S/W - SIDEWALK
- U/E - UTILITY EASEMENT
- W - WATER LINE
- ST - STORM SEWER LINE

ENGINEER'S CERTIFICATION:

I HEREBY CERTIFY THAT THIS PROJECT HAS BEEN DESIGNED AND THESE PLANS PREPARED IN ACCORDANCE WITH THE CURRENT DESIGN CRITERIA OF THE CITY OF LEE'S SUMMIT, MISSOURI AND THE STATE OF MISSOURI. I FURTHER CERTIFY THAT THESE PLANS WERE DESIGNED IN ACCORDANCE TO AASHTO STANDARDS.

INDEX OF SHEETS:

- C.400 ~ SANITARY SEWER COVER SHEET
- C.401 ~ SANITARY SEWER GENERAL LAYOUT
- C.402 ~ SANITARY SEWER PLAN & PROFILE
- C.403 ~ SANITARY SEWER PLAN & PROFILE
- C.404 ~ SANITARY SEWER DETAILS

Summary of Quantities:

ITEM AND DESCRIPTION	UNIT	ESTIMATED QUANTITY
SANITARY		
4" PVC SDR 26 Service Line	LF	830.04
8" PVC SDR 26	LF	872.95
4' DIA Manhole	EA	5.00
TEES, BENDS, WYES	LS	21.00
CONNECTION TO EXISTING SANITARY SEWER	LS	1.00
TRACER WIRE AND EQUIPMENT	L.F.	830.04

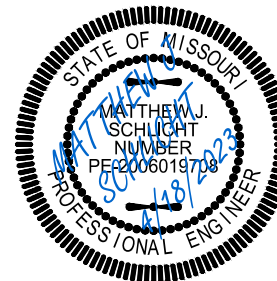


Professional Registration
Missouri
Engineering 2005002186-D
Surveying 2005008319-D
Kansas
Engineering E-1695
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

THE VILLAS OF CHAPEL RIDGE-2ND PLAT
LOTS 43-74 and Tracts C-1 & D-1
Lee's Summit, Jackson County, Missouri

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

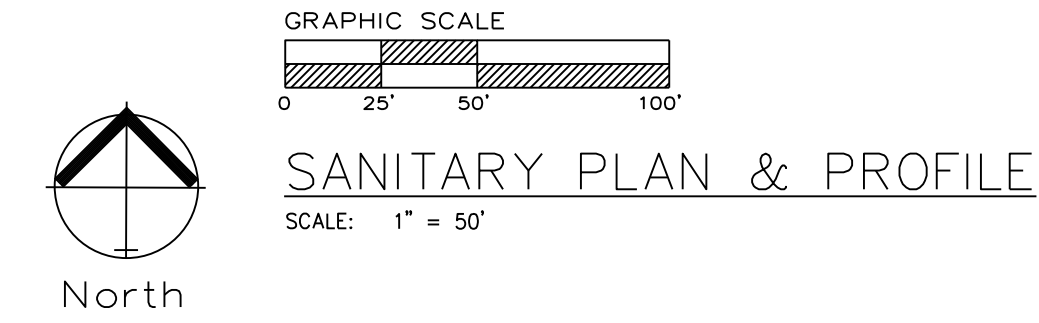
Cover Sheet
Construction Plans for:
THE VILLAS OF CHAPEL RIDGE-2ND PLAT
LOTS 43-74 and Tracts C-1 & D-1
Lee's Summit, Jackson County, Missouri



Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25226
NE PE E-14335

REVISIONS

- REV. 8/12/2022
- REV. 10/3/2022



1 ~ ALL CONSTRUCTION SHALL CONFORM TO THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL AS ADOPTED BY ORDINANCE 5813.
2 ~ TRENCH CHECKS SHALL BE INSTALL AT ALL SANITARY WYES LOCATION.

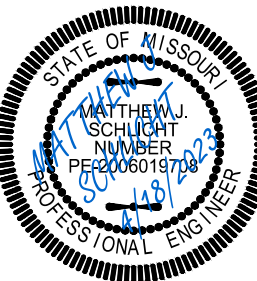
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RIDGE, LSMO

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Sanitary Sewer General Layout
Construction Plans for:
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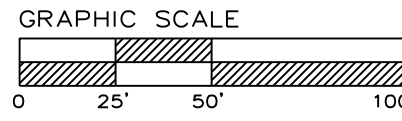


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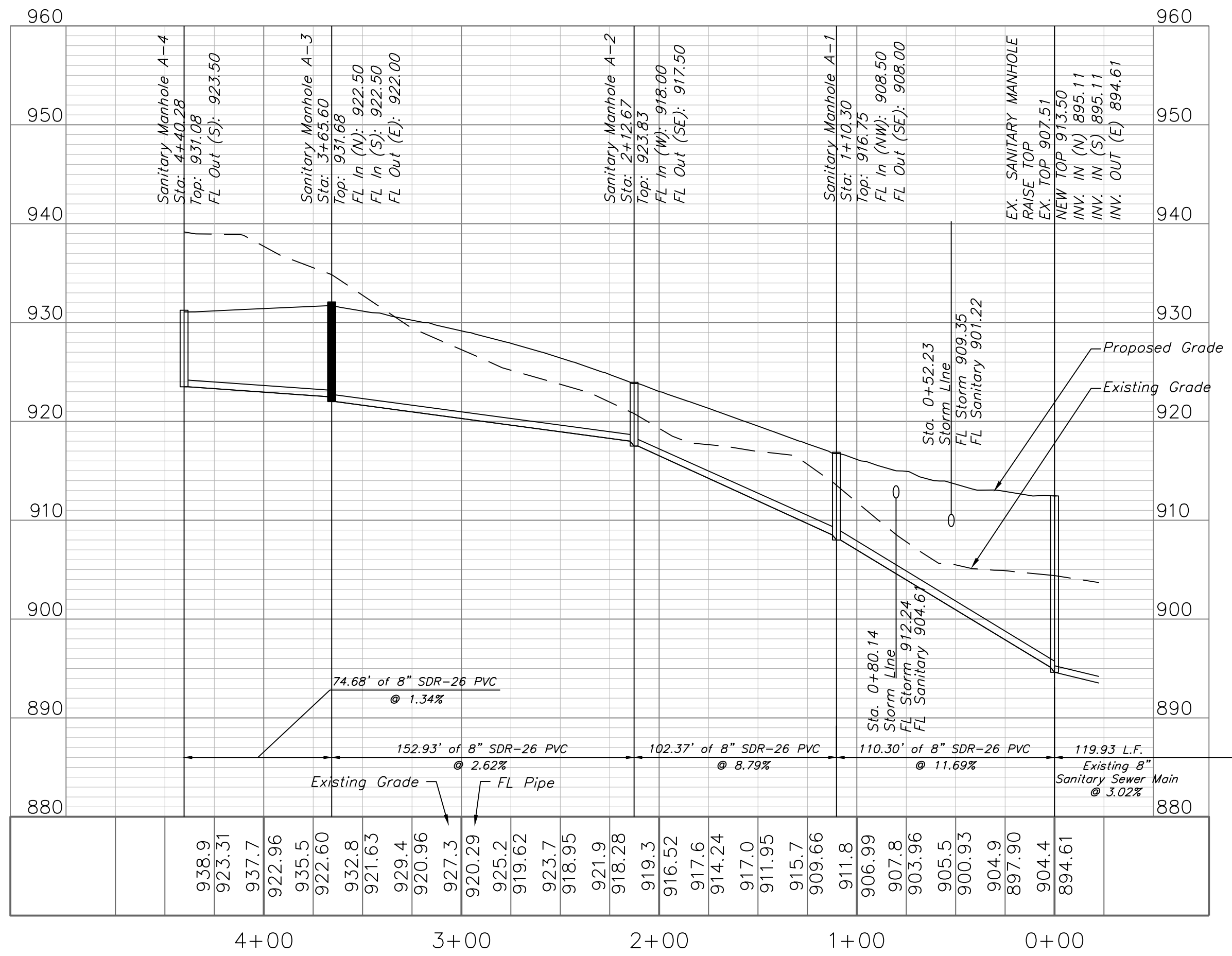
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SANITARY PLAN & PROFILE
SCALE: 1" = 50'



SANITARY LINE A



Sewer Stub Table - Line A					
Lot	Station	Main FL	Length	Slope (%)	MSFE
51	4+25.71	923.32	48	2	927.32
52	2+81.39	919.79	33.48	2	923.79
53	2+25.07	918.28	31.88	2	922.28
54	1+79.39	914.64	34.78	2	918.64
55	1+23.86	909.56	32.43	2	913.56
56	0+78.62	904.40	29.14	2	908.40
69	2+63.12	919.30	35.71	2	923.30
68	1+03.78	907.45	40.62	2	911.45

Sewer Stub Table - Line B					
Lot	Station	Main FL	Length	Slope (%)	MSFE
50	0+18.14	922.67	48	2	926.67
49	0+28.23	922.78	48	2	926.78
48	0+95.73	923.48	48	2	927.48
47	1+68.23	924.24	48	2	928.24
46	2+45.21	925.05	48	2	929.05
45	2+92.69	925.55	48	2	929.55
44	3+54.69	926.2	48	2	930.20
43	4+16.69	926.85	48	2	930.85
70	1+60.81	924.17	32	2	928.17
71	2+54.72	925.15	32	2	929.15
72	3+20.70	925.66	32	2	929.66
73	3+65.20	926.31	32	2	930.31
74	4+27.69	926.97	32	2	930.97

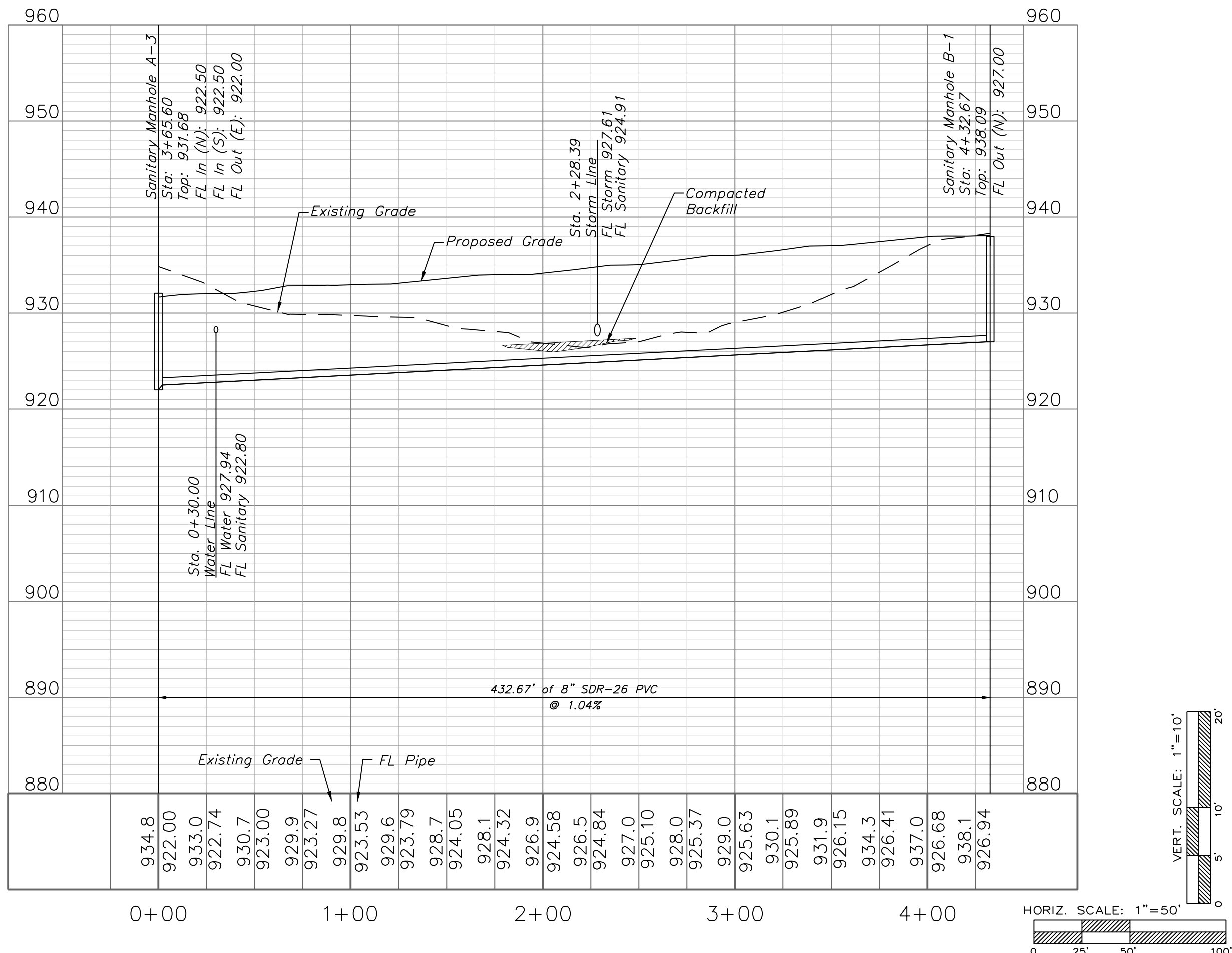
Sewer Stub Table - Existing Line					
Lot	Station	Main FL	Length	Slope (%)	MSFE
50	0+18.14	922.67	48	2	926.67
49	0+28.23	922.78	48	2	926.78
48	0+95.73	923.48	48	2	927.48
47	1+68.23	924.24	48	2	928.24
46	2+45.21	925.05	48	2	929.05
45	2+92.69	925.55	48	2	929.55
44	3+54.69	926.2	48	2	930.20
43	4+16.69	926.85	48	2	930.85
70	1+60.81	924.17	32	2	928.17
71	2+54.72	925.15	32	2	929.15
72	3+20.70	925.66	32	2	929.66
73	3+65.20	926.31	32	2	930.31
74	4+27.69	926.97	32	2	930.97

Note:

Compacted Fill shall be placed to a minimum 18" above the top of the pipe prior to installation.



SANITARY LINE B

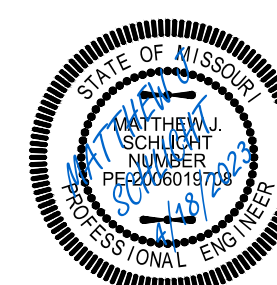


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