

THE ESTATES OF CHAPEL RIDGE-2ND PLAT
LOTS 23 & 24 AND
THE TOWNHOMES OF CHAPEL RIDGE-2ND PLAT
LOTS 9-19 & TRACTS A-D
SANITARY SEWER CONSTRUCTION PLANS
Section 8, Township 48 North, Range 31 West
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

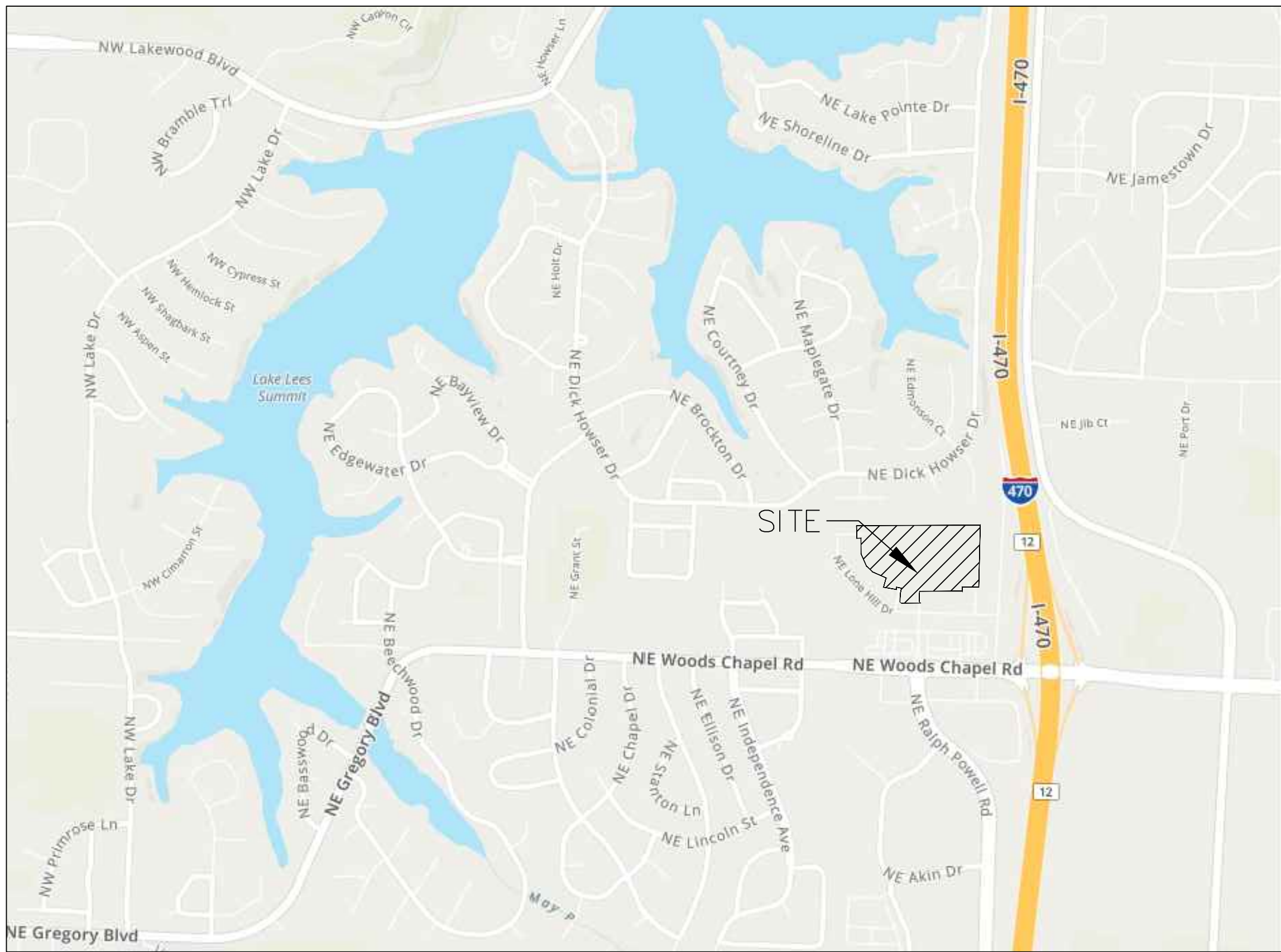
CONSTRUCTION AND DESIGN NOTES:

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 3 FEET 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.



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

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.

KCP&L ~ 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.

CITY OF LEE'S SUMMIT, MISSOURI

APPROVED: DATE: _____

BY: _____
CITY ENGINEER

ENGINEERING SOLUTIONS
ENGINEERING & SURVEYING
50 SE 30TH STREET
LEE'S SUMMIT, MO 64082
P: (816) 623-9888 F: (816) 623-9849

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

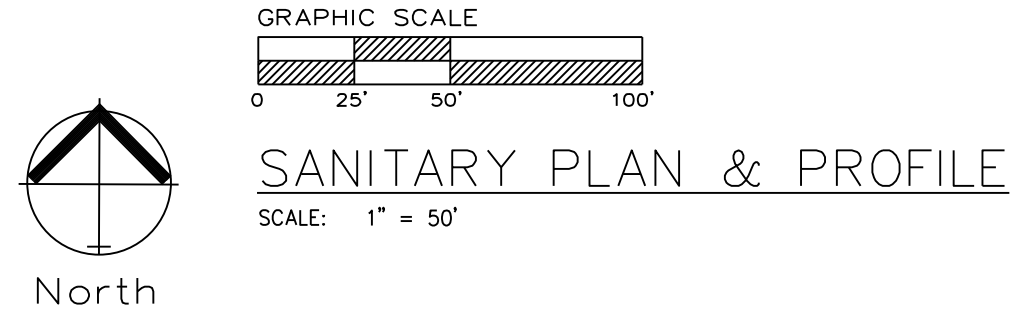
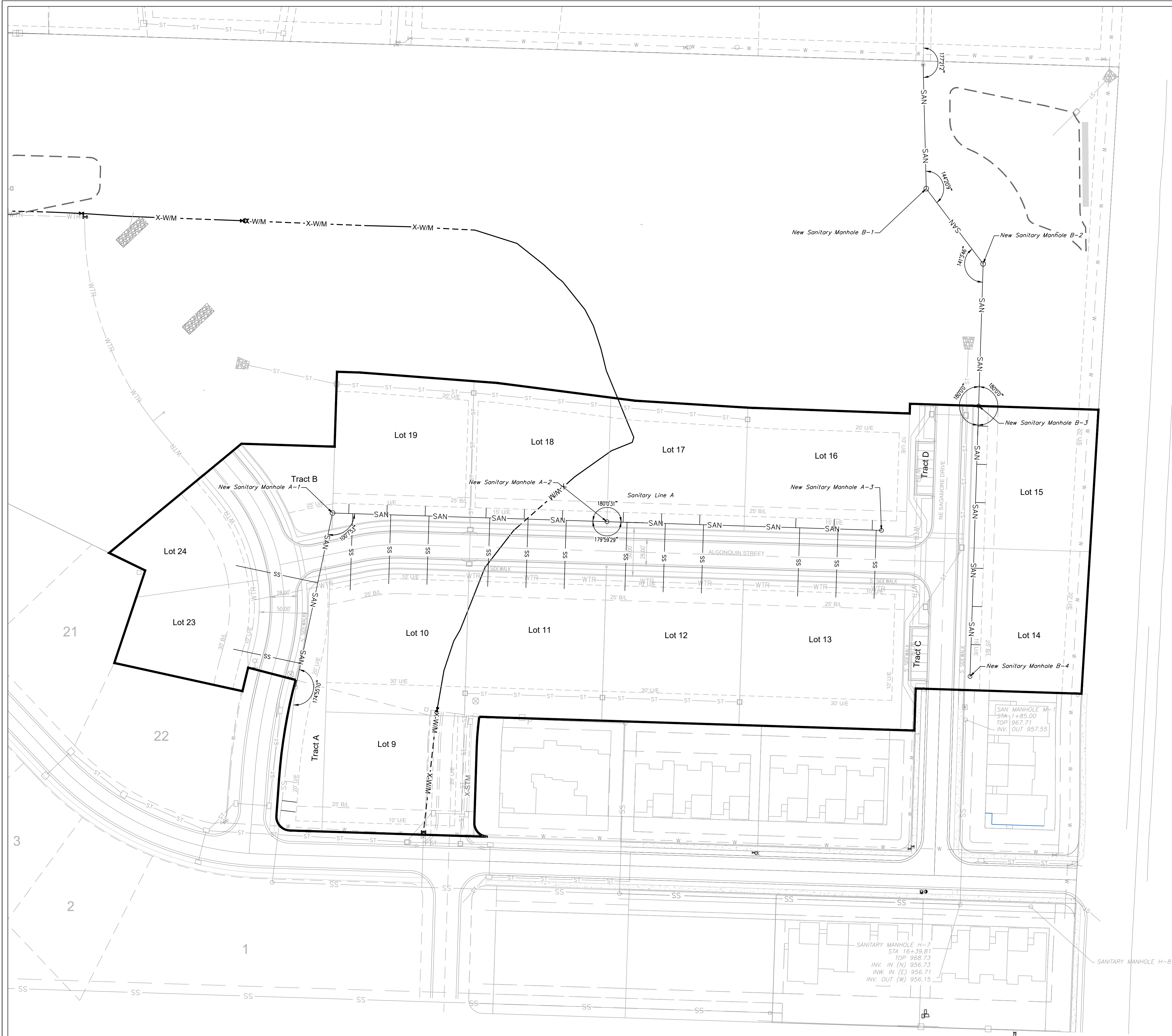
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LOTS 23 & 24 AND
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LOTS 9-19 & TRACTS A-D
Lee's Summit, Jackson County, Missouri

Project: VILLAS OF CHAPEL RIDGE LS2MO
Issue Date: April 10, 2020

Cover Sheet
Construction Plans for:
THE ESTATES OF CHAPEL RIDGE-2ND PLAT
LOTS 23 & 24 AND
THE TOWNHOMES OF CHAPEL RIDGE-2ND PLAT
LOTS 9-19 & TRACTS A-D
Lee's Summit, Jackson County, Missouri

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

REVISIONS



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

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Sanitary Sewer General Layout
Construction Plans for:
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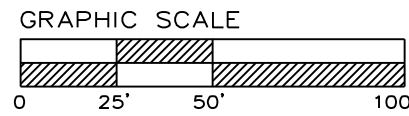
VILLAS OF CHAPEL RIDGE LS MO

Issue Date:

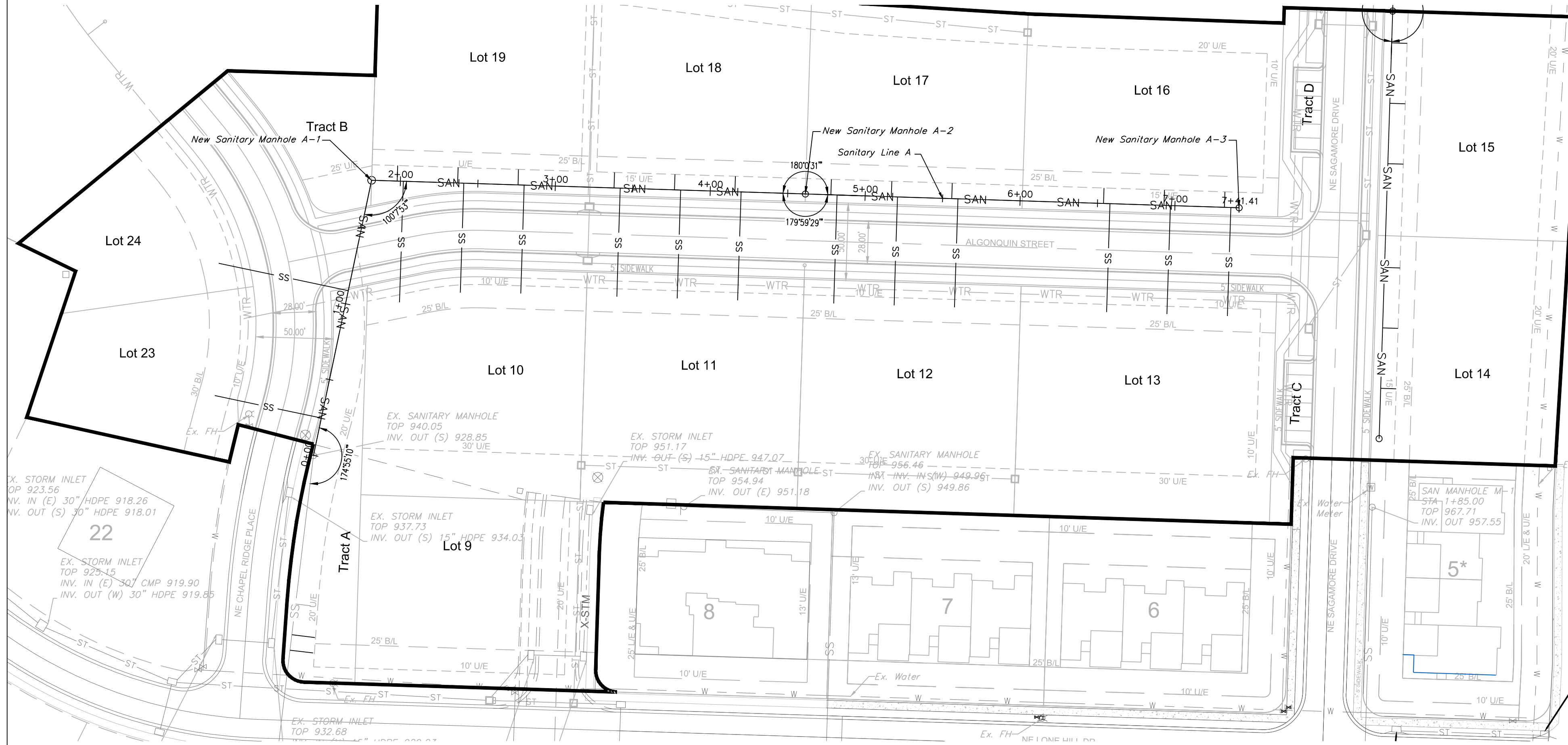
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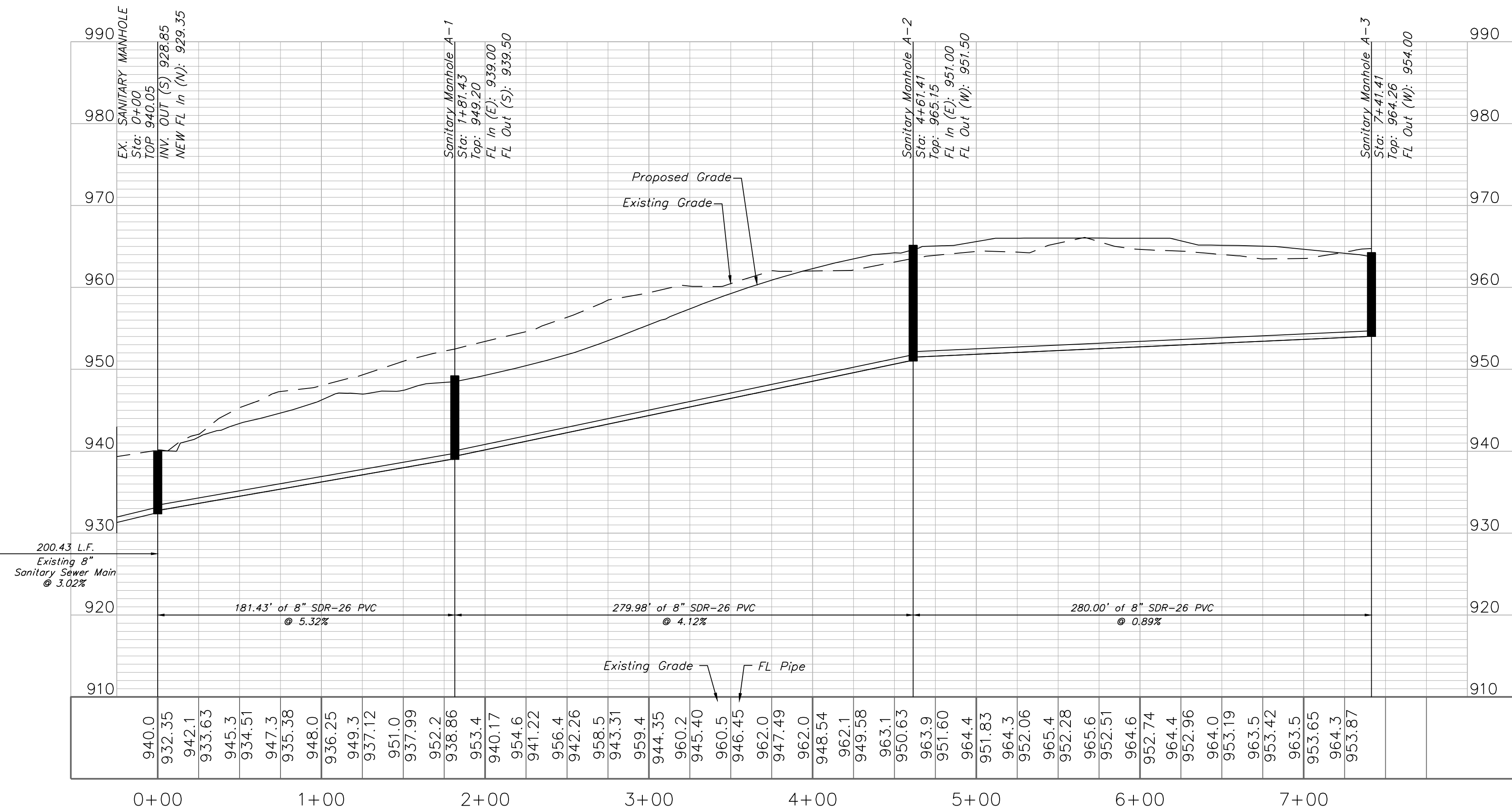
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SCALE: 1" = 50'

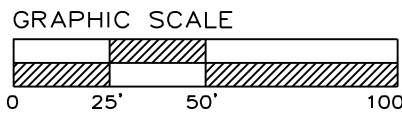
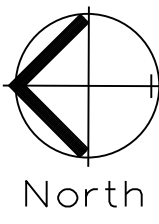


SANITARY LINE A

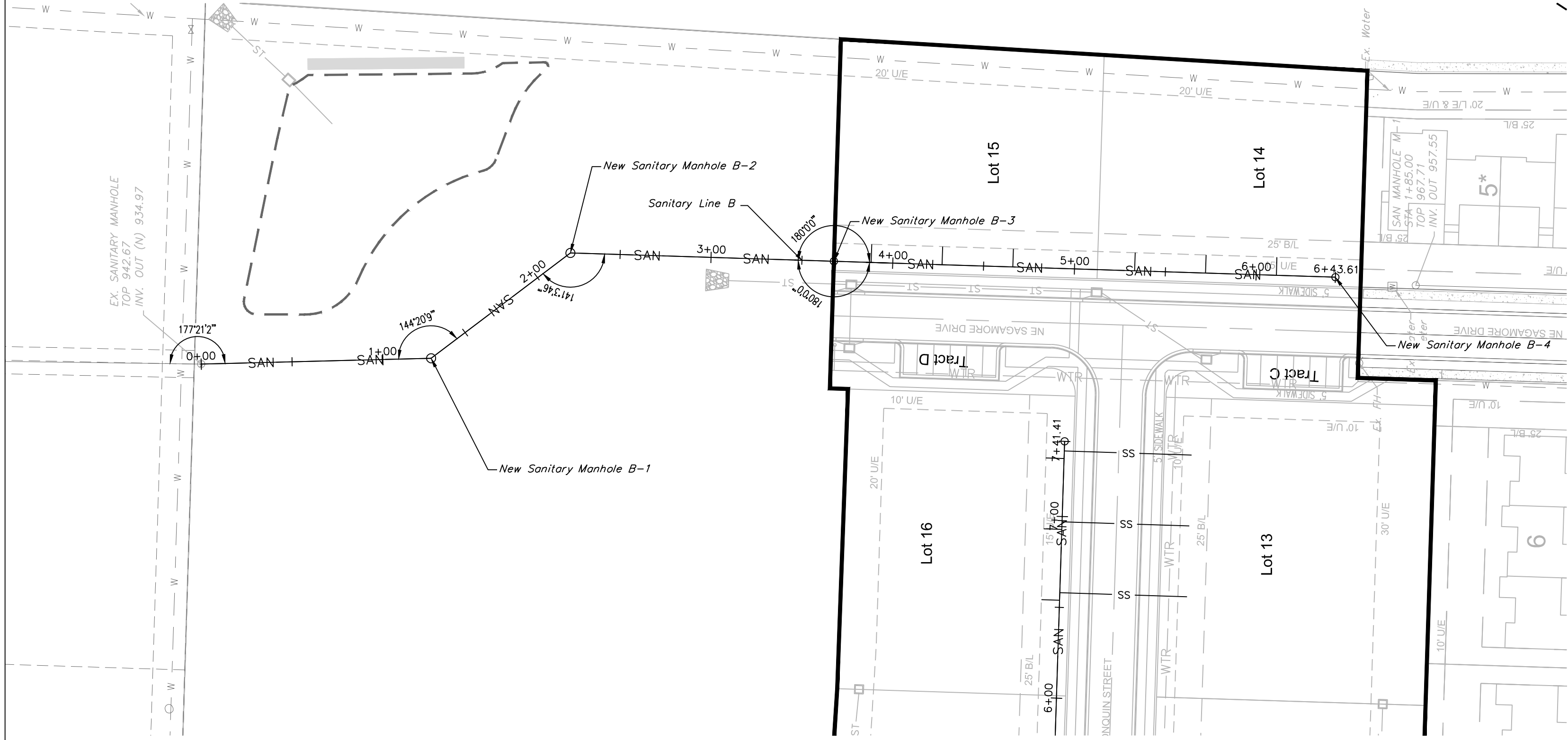


Sewer Stub Table - Line A					
Lot	Station	Main FL	Length	Slope (%)	MSFE
9C	-126.55	925.03	15	2	928.93
9B	-116.55	925.33	15	2	928.93
9A	-96.55	925.93	15	2	928.93
23	0+24.62	933.62	70.26	2	937.62
24	1+08.65	936.55	85.47	2	940.55
19A	1+97.92	940.09	10	2	943.09
10A	2+01.90	940.25	78.16	2	944.25
19B	2+36.92	941.72	10	2	944.72
10B	2+40.90	941.88	70.63	2	945.88
19C	2+75.92	943.35	10	2	946.35
10C	2+79.90	943.51	70	2	947.51
18A	3+37.92	945.94	10	2	948.94
11A	3+41.90	946.11	70	2	950.11
18B	3+76.92	947.57	10	2	950.57
11B	3+80.90	947.74	70	2	951.74
18C	4+15.92	949.20	10	2	952.20
11C	4+19.90	949.37	70	2	953.37
17A	4+77.92	951.63	10	2	954.63
12A	4+81.90	951.66	70	2	955.66
17B	5+16.92	951.98	10	2	954.98
12B	5+20.90	952.02	70	2	956.02
17C	5+55.92	952.34	10	2	955.34
12C	5+59.90	952.37	70	2	956.37
16A	6+53.92	953.23	10	2	956.23
13A	6+58.27	953.27	70	2	957.27
16B	6+92.92	953.58	10	2	956.58
13B	6+97.07	953.62	70	2	957.62
16C	7+31.92	953.94	10	2	956.94
13C	7+36.07	953.97	70	2	957.97

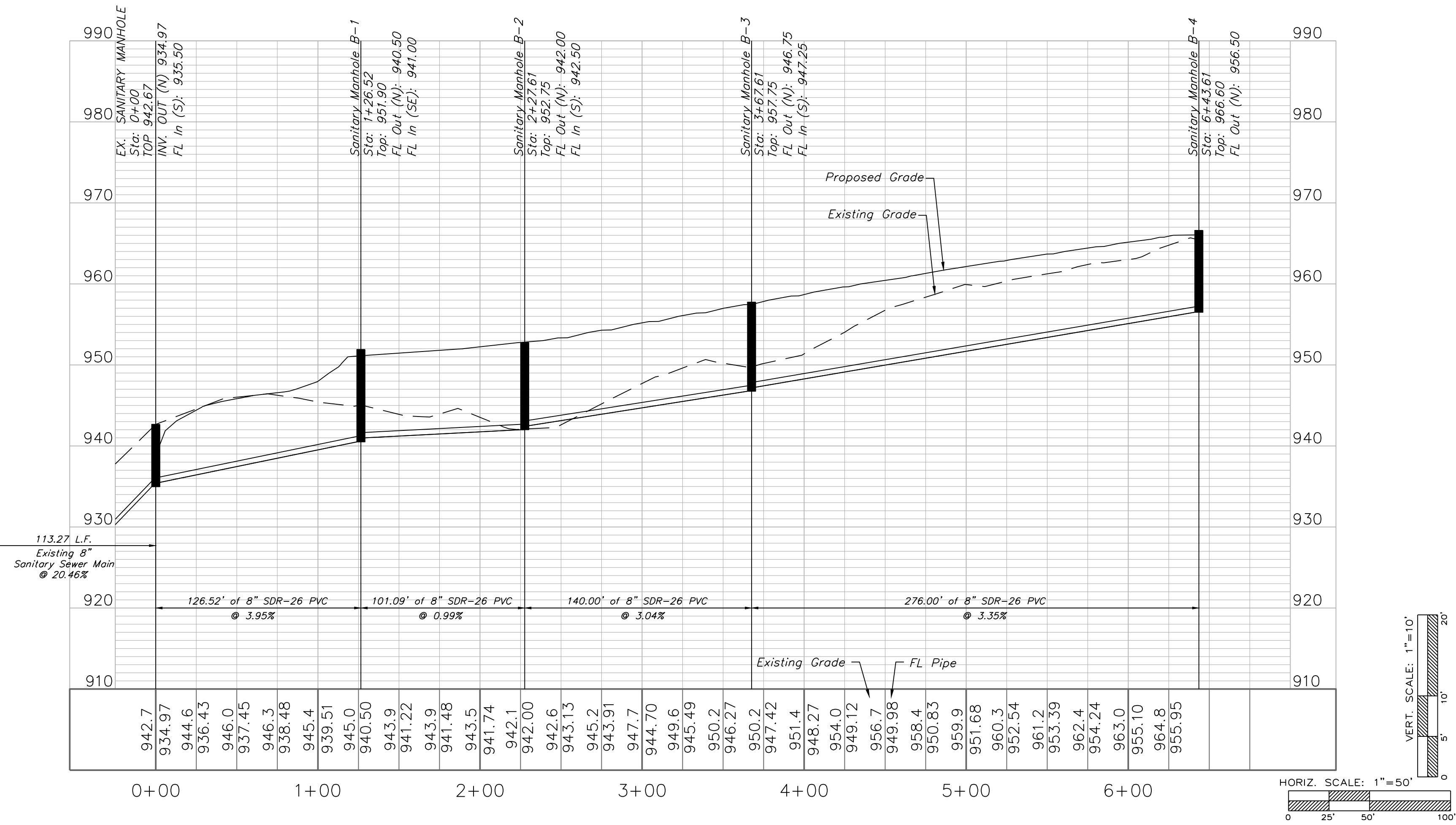
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SANITARY PLAN & PROFILE
SCALE: 1" = 50'



SANITARY LINE B



Sewer Stub Table - Line B					
Lot	Station	Main FL	Length	Slope	MSFE
29A	3+88.11	947.88	10	2	950.88
29B	4+27.11	949.20	10	2	952.2
29C	4+66.11	950.53	10	2	953.53
30A	5+33.11	952.81	10	2	955.81
30B	5+72.11	954.14	10	2	957.14
30C	6+11.11	955.48	10	2	958.48



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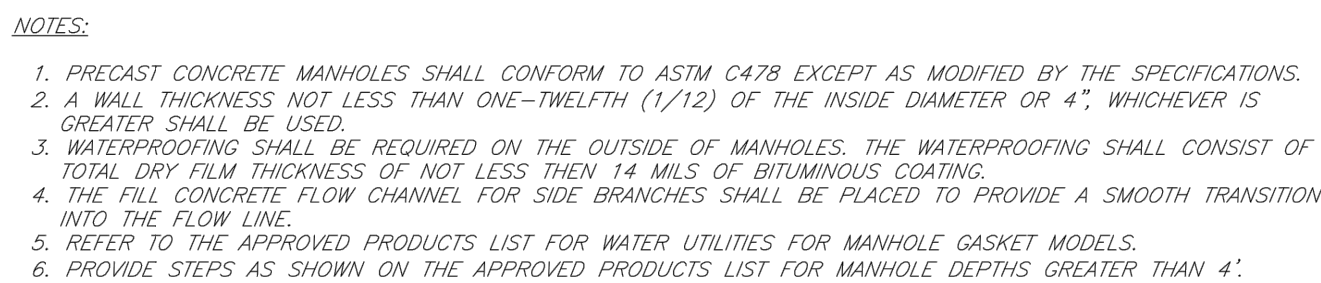
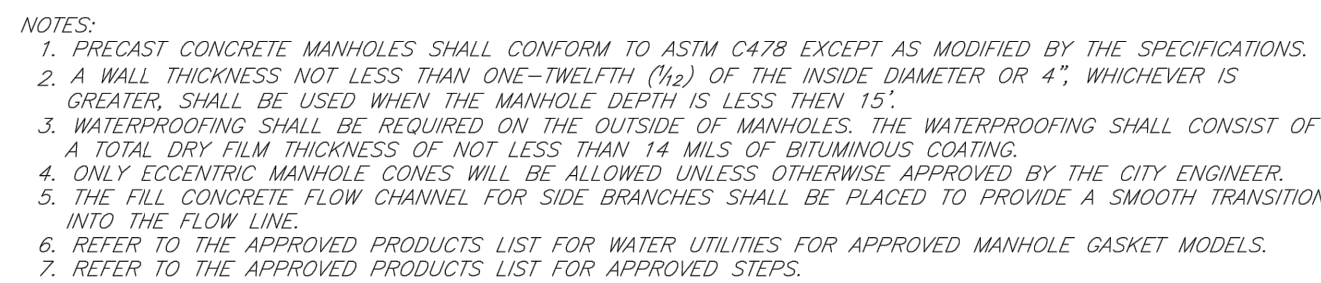
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Lee's Summit, Jackson County, Missouri

Project:
VILLAS OF CHAPEL
RIDGE LSMD
Issue Date:
April 10, 2020

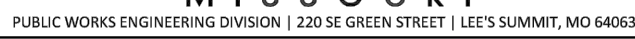
Sanitary Plan and Profile
Construction Plans for:
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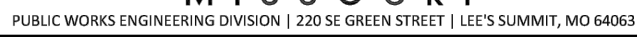
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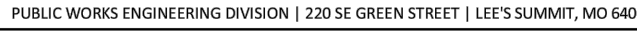
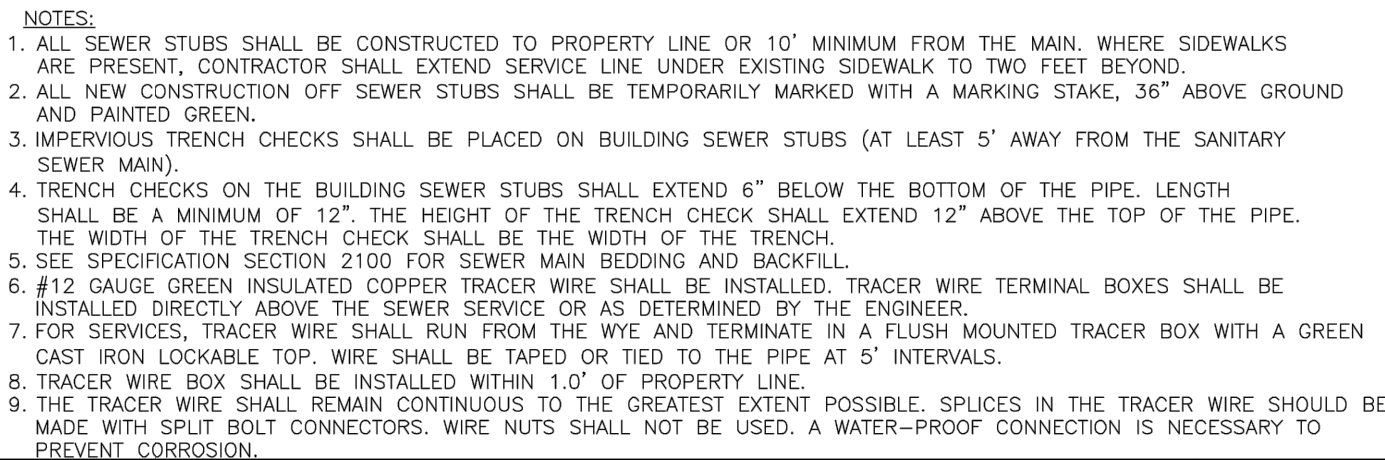
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Rev: 1/14
Rev:

SHALLOW PRECAST MANHOLE - SANITARY SEWER

Date: 02/13
Drawn By: JN
Checked By: DL
FILE: SAN-3
Rev: 1/14
Rev:



Date: 02/13
Drawn By: JN
Checked By: DL
FILE: SAN-5
Rev: 1/14
Rev:



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

BUILDING SEWER STUB AND RISER

Date: 04/17
Drawn By: MJF
Checked By: DL
SAN-1

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Sanitary Details

Construction Plans for:

THE ESTATES OF CHAPEL RIDGE-2ND PLAT

LOUIS 23 & 24 AND
HOMES OF CHAPEL RIDGE-2ND PLAT

LOTS 9-19 & TRACTS A-D
Lee's Summit, Jackson County, Missouri

Project: VILLAS OF CHAPEL
BRIDGE, LENO

THE ESTATES OF CHAPEL RIDGE-2ND PLAT

LOTS 23 & 24 AND
EAST SIDE OF CHASEL RIDGE 2ND PLAT

HOMES OF CHAPEL RIDGE-2ND FLAT LOTS 9-19 & TRACTS A-D

Lee's Summit, Jackson County, Missouri

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