

MONTICELLO 4th PLAT

SANITARY SEWER CONSTRUCTION PLANS

LOTS 109- TRACTS

SECTION 4, TOWNSHIP 48 NORTH, RANGE 31 WEST

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

CONSTRUCTION AND DESIGN NOTES:

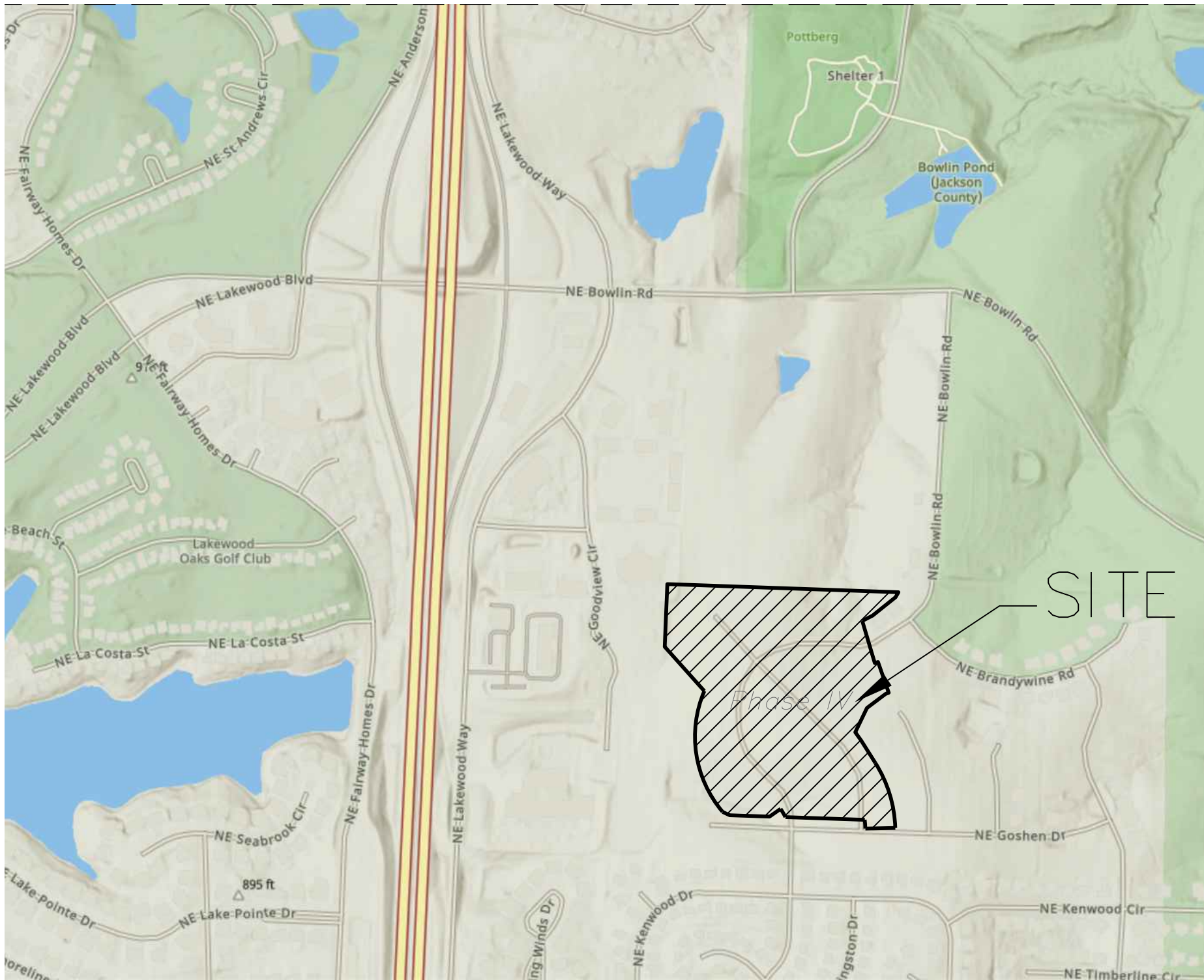
SANITARY SEWERS:

- 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.

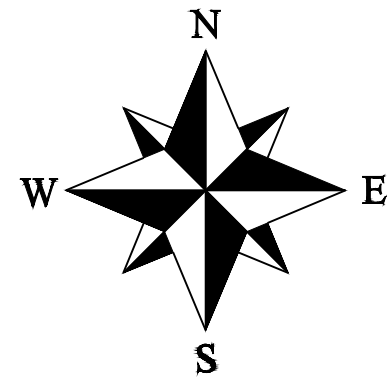
GENERAL NOTE:

- ALL CONSTRUCTION SHALL CONFORM TO THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL AS ADOPTED BY ORDINANCE 5813.
- EXISTING LINE C SHALL HAVE TOP ORIENTED "WYES" CUT IN AT THE STATIONS INDICATED ON THE PLANS. WYES SHALL BE SECURED TO THE EXISTING LINE WITH MAXADAPTOR COUPLINGS PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. SEE INSTALLATION INSTRUCTIONS ON DETAIL SHEET C.405. SERVICES SPACED 6' OR LESS MAY UTILIZE A SOLID PIPE BETWEEN WYES.

Added Maxadaptor Note



SITE LOCATION MAP



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

INDEX OF SHEETS:

- C.400 ~ COVER SHEET
- C.401 ~ SANITARY SEWER GENERAL LAYOUT
- C.402 ~ SANITARY LINE PLAN & PROFILE
- C.403 ~ SANITARY LINE PLAN & PROFILE
- C.404 ~ SANITARY LINE PLAN & PROFILE
- C.405 ~ SANITARY DETAILS

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.

Summary of Quantities:

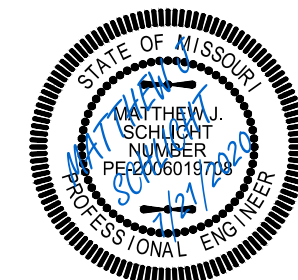
Revised Summary of Quantities

ITEM AND DESCRIPTION	UNIT	ESTIMATED QUANTITY
SANITARY PIPE 8" PVC	FT	1,142.85
SANITARY SERVICE PIPE 4" PVC	FT	2,093.55
SERVICES LINES WYES, PLUGS, 4" PVC	UNIT	45.00
5' DIA. SANITARY MANHOLES	UNIT	5.00
TRENCH CHECKS	UNIT	45.00
TRACER WIRE AND EQUIPMENT	FT	2,093.55

Removed the City Review signature block

Project: Monticello
Map Date: May 2019

Cover Sheet
Construction Plans for:
Monticello 4th Plat
Lee's Summit, Jackson County, Missouri



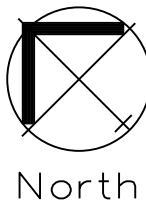
Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25226

REVISIONS

REV.	6/9/2020
REV.	6/19/2020
REV.	6/30/2020
REV.	7/21/2020

C.401

- NOTES:
- SEWER MAIN PIPE SHALL BE SDR-26 PVC MINIMUM UNLESS OTHERWISE INDICATED.
 - ALL SERVICE STUBS SHALL BE SDR-26 MINIMUM.
 - CONTRACTOR SHALL FIELD VERIFY EXACT LENGTHS OF 4" RISERS AND SERVICE LINES.
 - TRENCH CHECKS SHALL BE INSTALLED ON ALL BUILDING SEWER STUBS AND ON EACH SIDE OF A STREAM CROSSING AS SPECIFIED IN THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL.

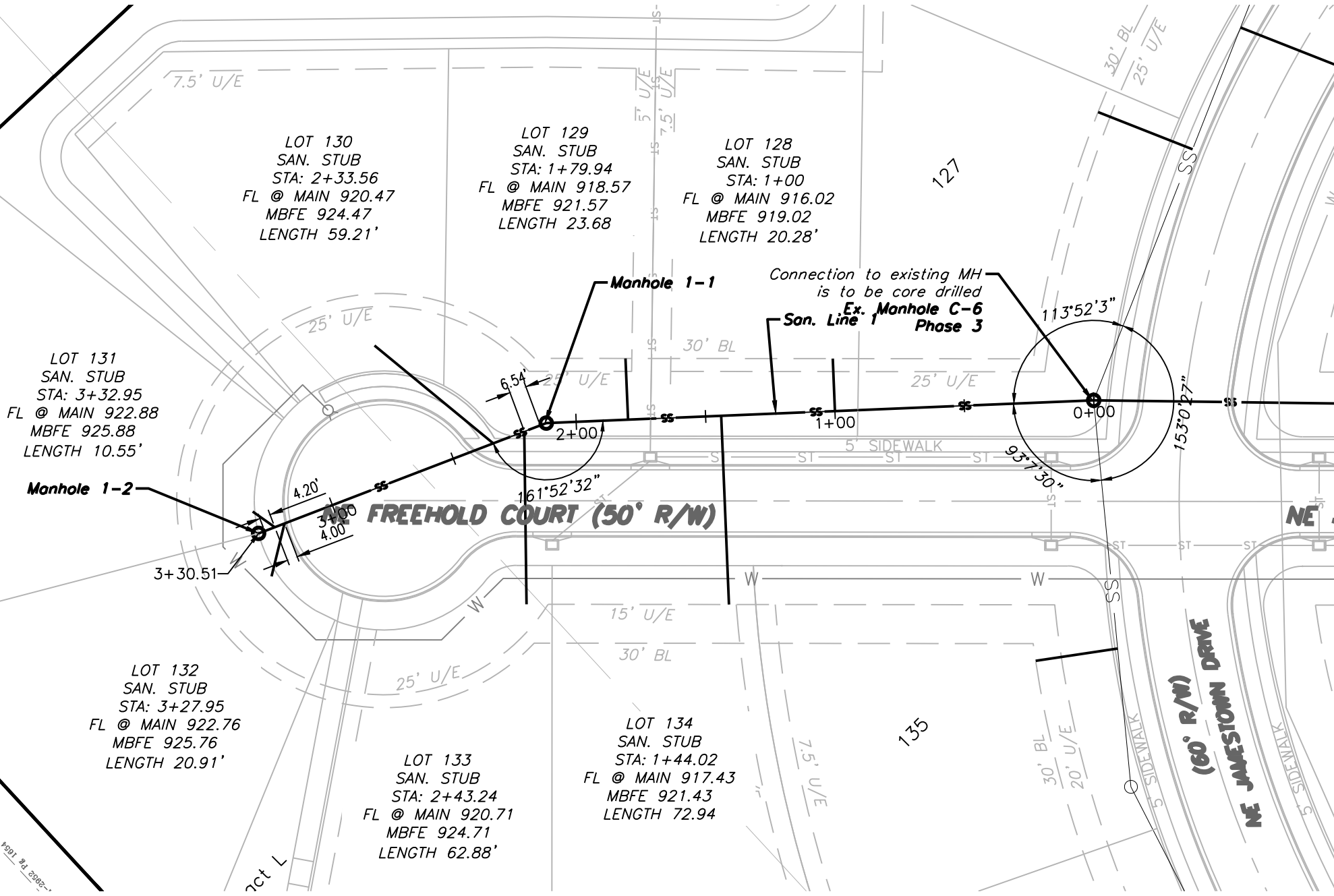


SANITARY PLAN & PROFILE

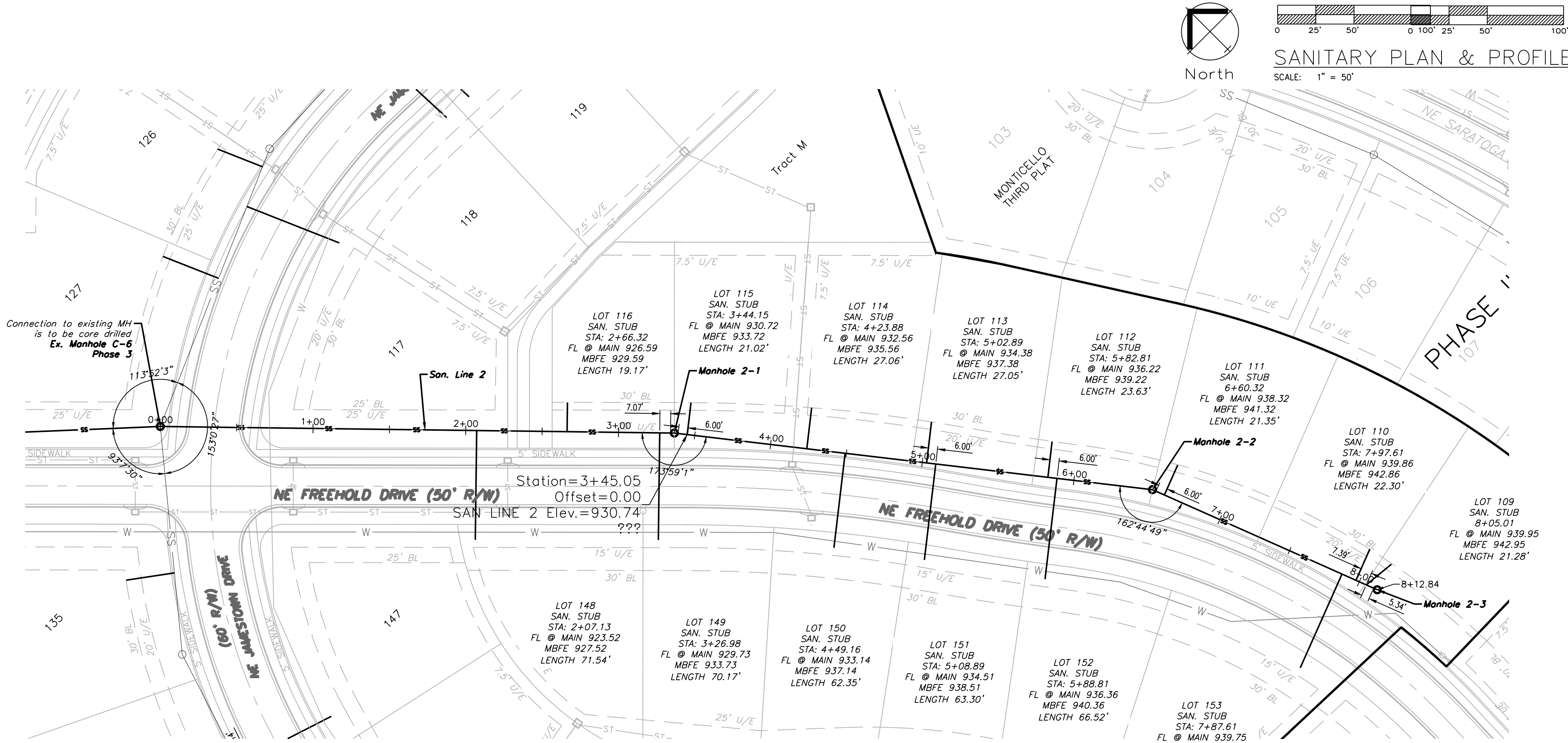
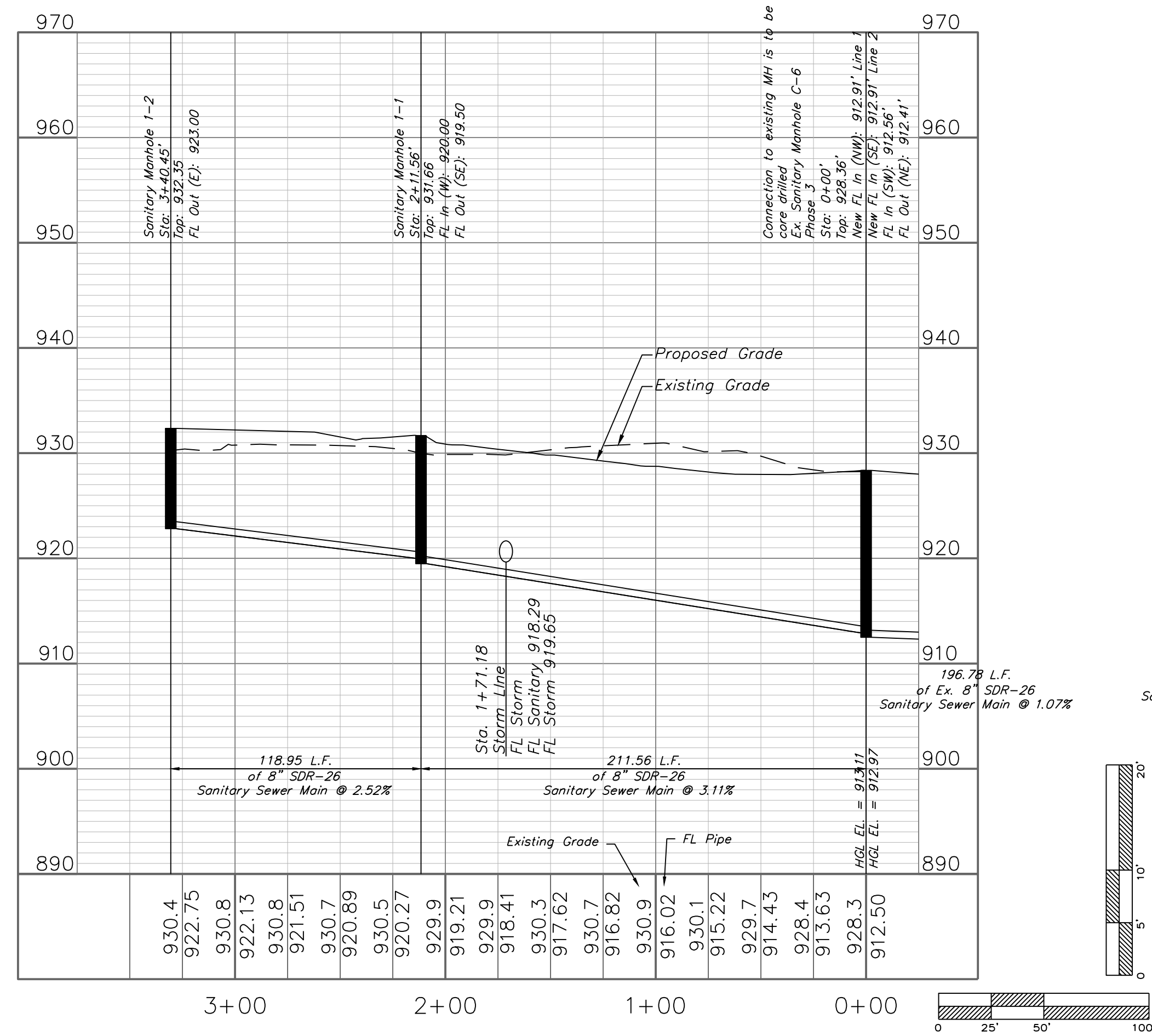
SCALE: 1" = 50'

GENERAL NOTE:

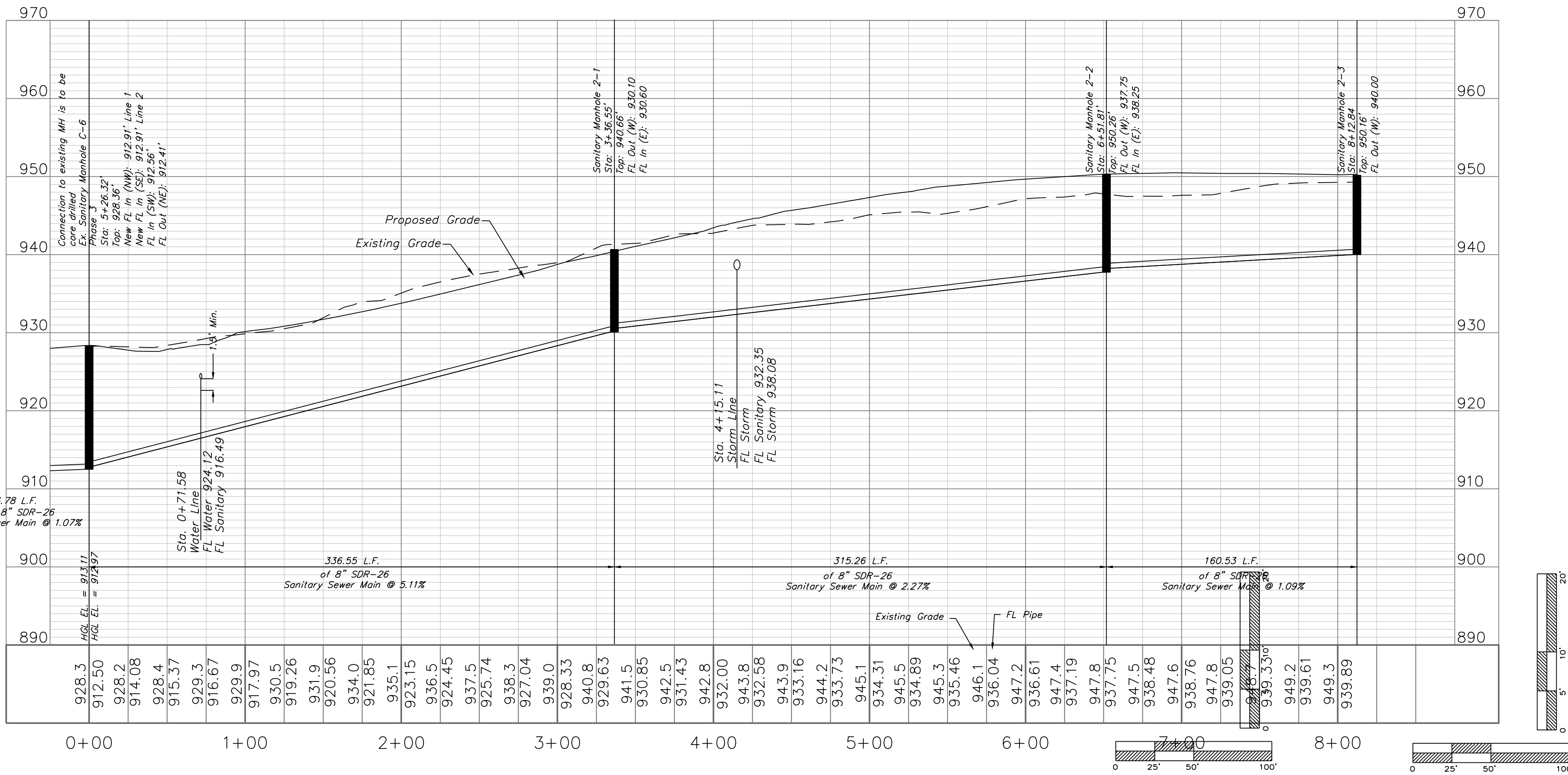
1 ~ ALL CONSTRUCTION SHALL CONFORM TO THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL AS ADOPTED BY ORDINANCE 5813.



SAN LINE 1



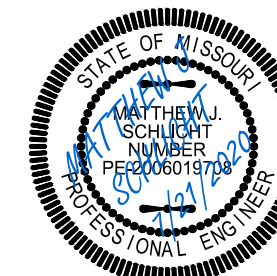
SAN LINE 2



Professional Registration
Missouri
Engineering 2005002188-D
Surveying 200500519-D
Kansas
Engineering E-1885
Surveying LS-218
Oklahoma
Engineering 9254
Nebraska
Engineering CA2821

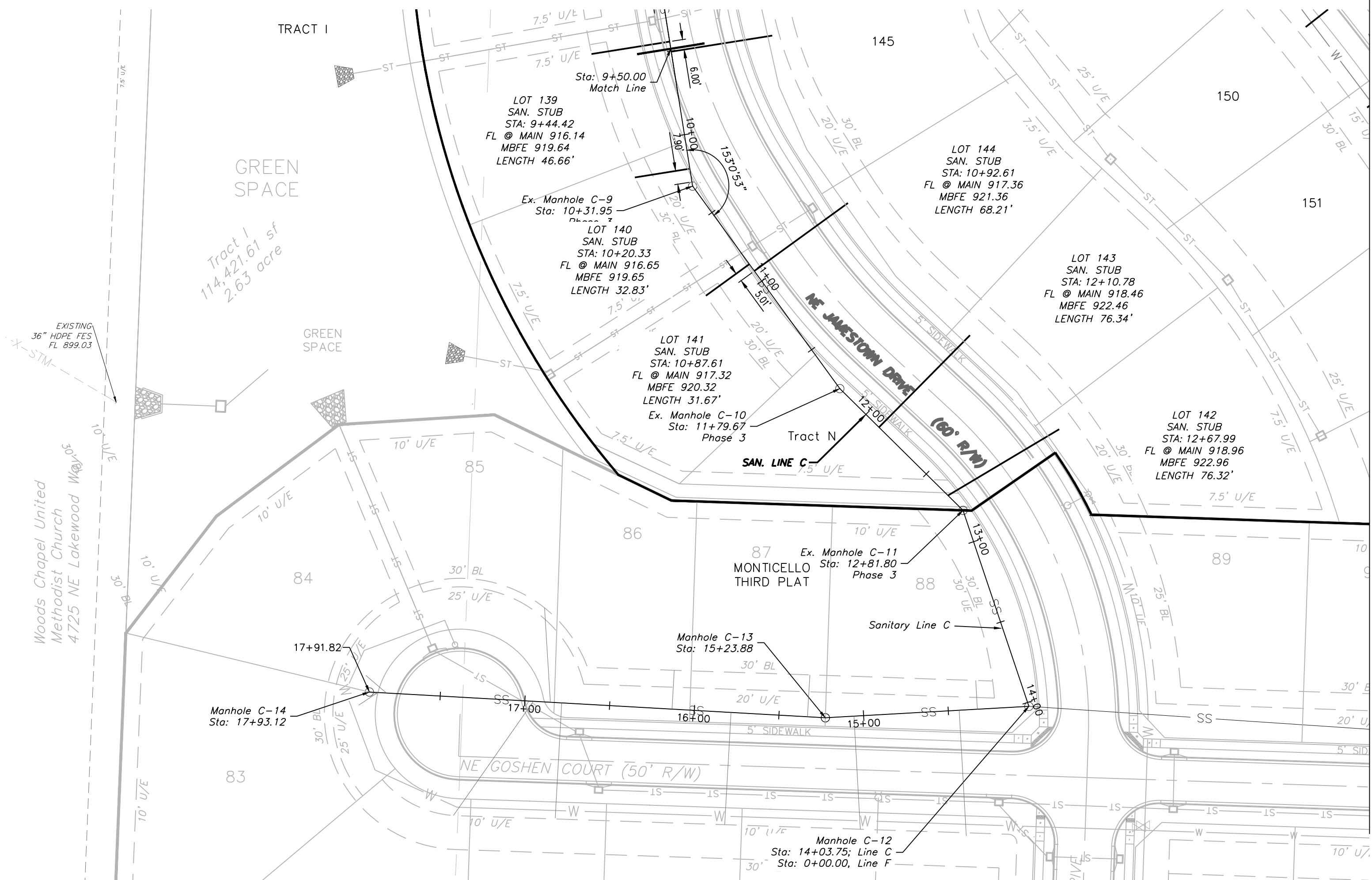
Project:
Monticello
Lee's Summit, Jackson County, Missouri
Map Date:
May, 2019

Sanitary Line Plan and Profile
Construction Plans for:
Monticello 4th Plat
Lee's Summit, Jackson County, Missouri



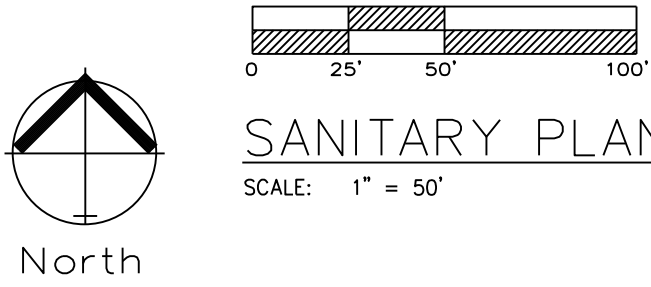
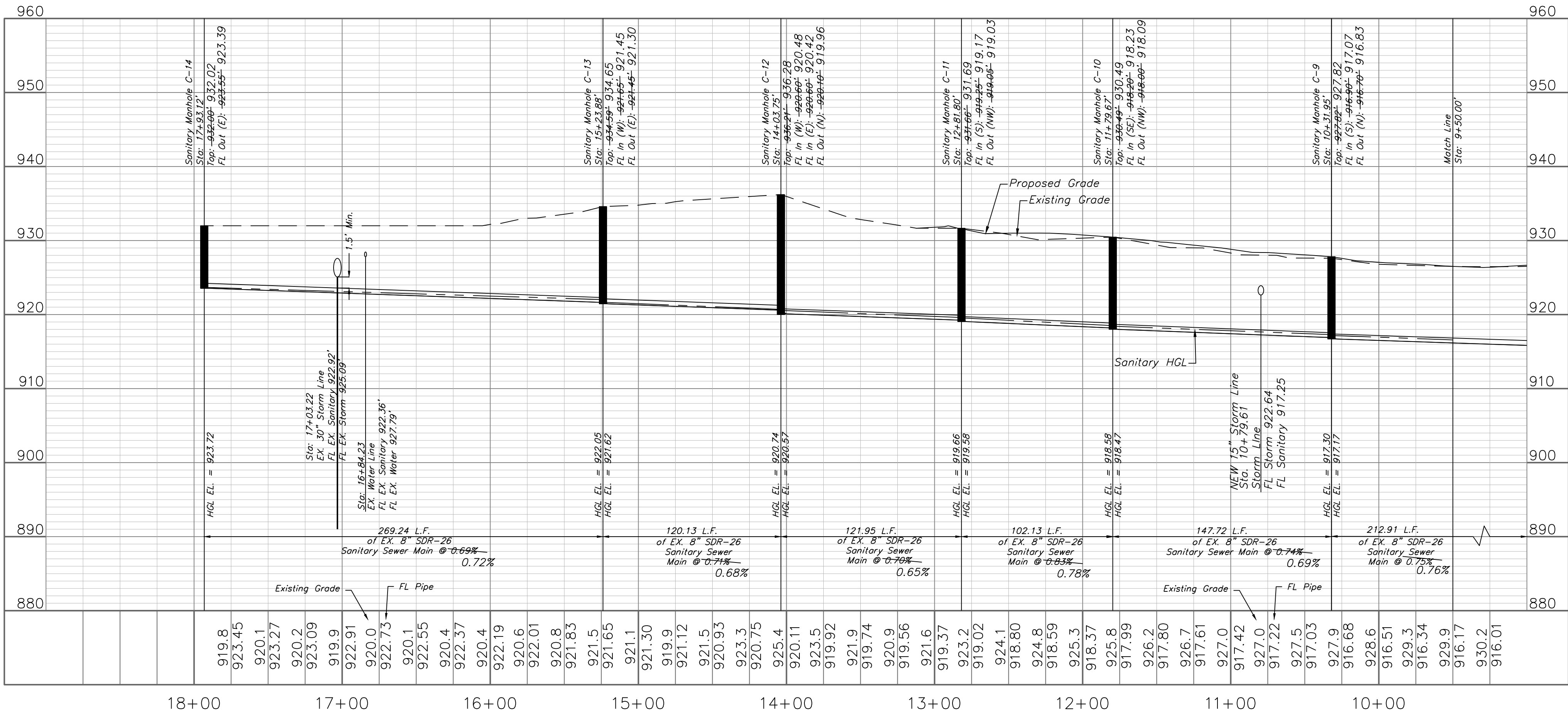
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KS PE 19071
OK PE 25526
REVISIONS
REV. 6/9/2020
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REV. 7/21/2020

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EX. SAN LINE C

Note:
Existing Line C Profile Information Taken
From Record Drawings.



SANITARY PLAN & PROFILE

SCALE: 1" = 50'

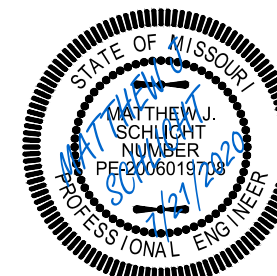
NOTE:
CONTRACTOR TO INSTALL SERVICE LINES.



Professional Registration
Missouri
Engineering 2005002188-D
Surveying 200500319-D
Kansas
Engineering E-1895
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

Project:
Monticello
Sanitary Plan and Profile
Construction Plans for:
Monticello 4th Plat
Lee's Summit, Jackson County, Missouri

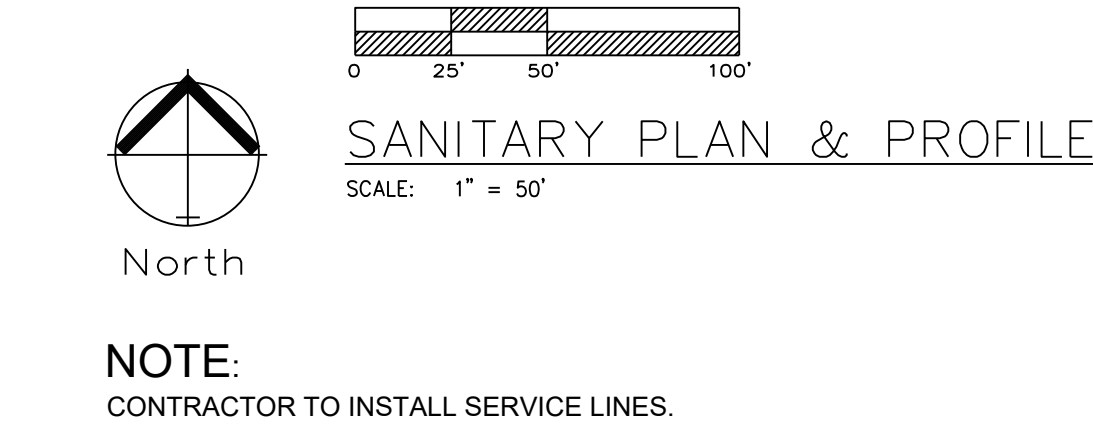
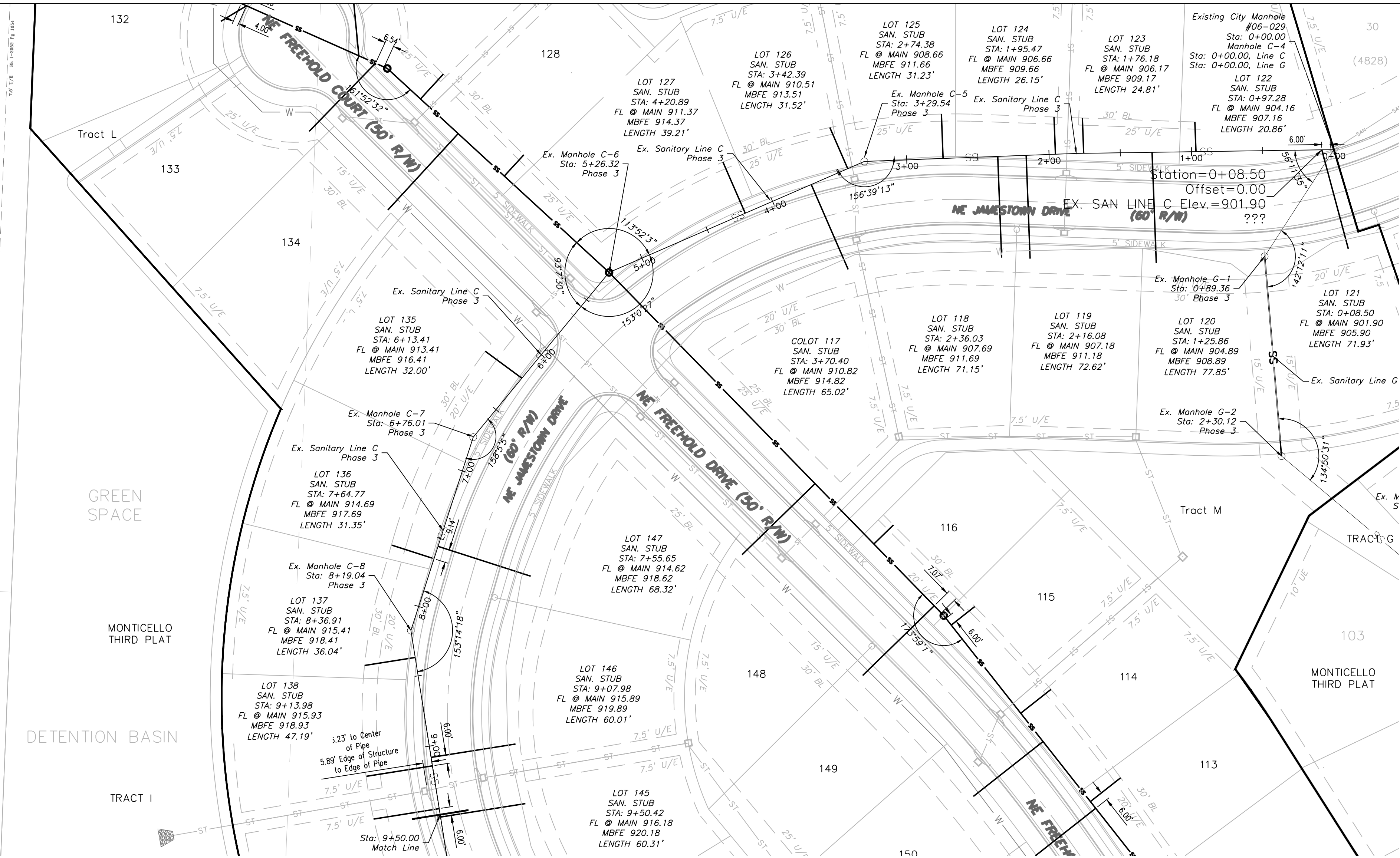
Sanitary Plan and Profile
Construction Plans for:
Monticello 4th Plat
Lee's Summit, Jackson County, Missouri



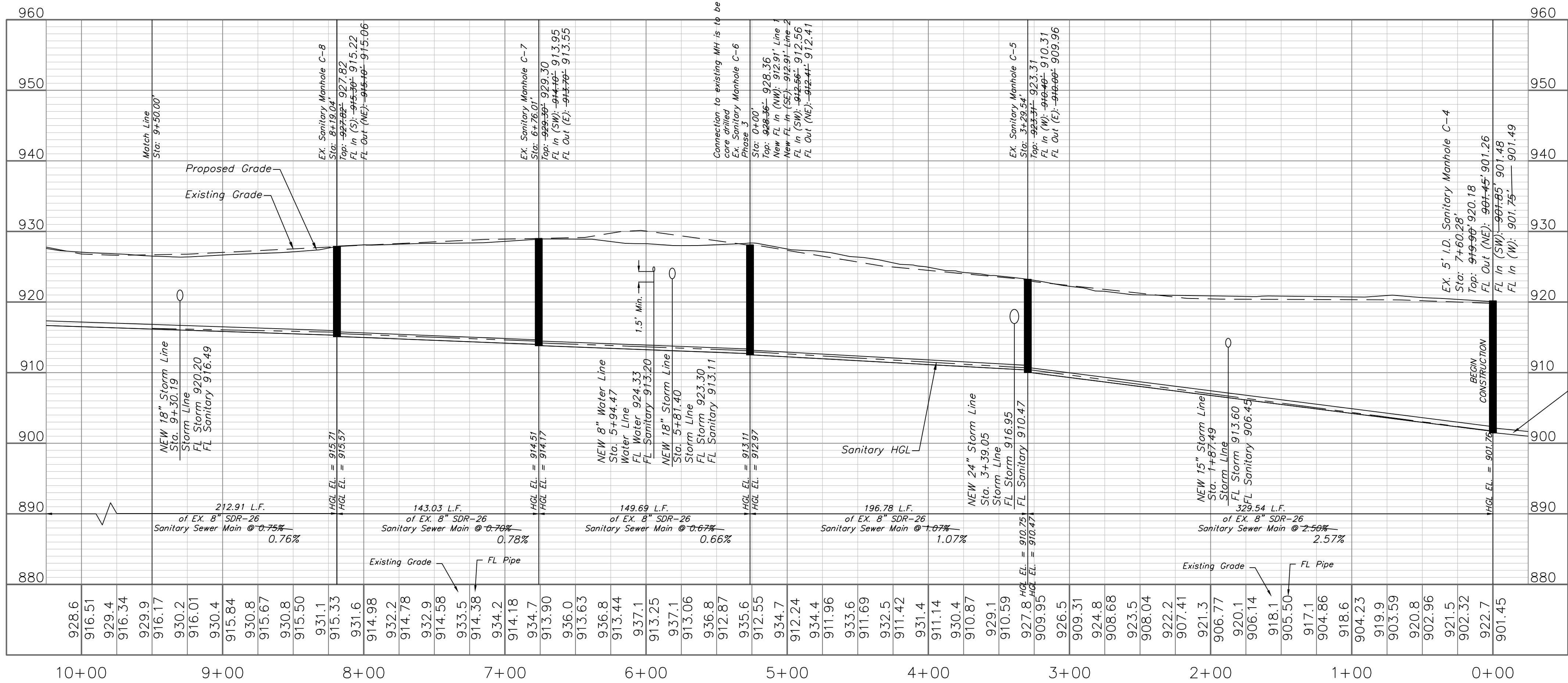
Matthew J. Schlicht
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REVISIONS
REV. 6/9/2020
REV. 6/19/2020
REV. 6/30/2020
REV. 7/21/2020

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EX. SAN LINE C



Note:
Existing Line C Profile Information Taken
From Record Drawings.

To MH C-3
195.76 L.F. of SDR-26
Sanitary Sewer Main @ 0.74%
0.70%

ENGINEERING
ENGINEERING & SURVEYING
SOLUTIONS

Professional Registration
Missouri
Engineering 2005002188-D
Surveying 200500019-D
Kansas
Engineering E-1895
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

Sanitary Plan and Profile
Construction Plans for:
Monticello 4th Plat
Lee's Summit, Jackson County, Missouri

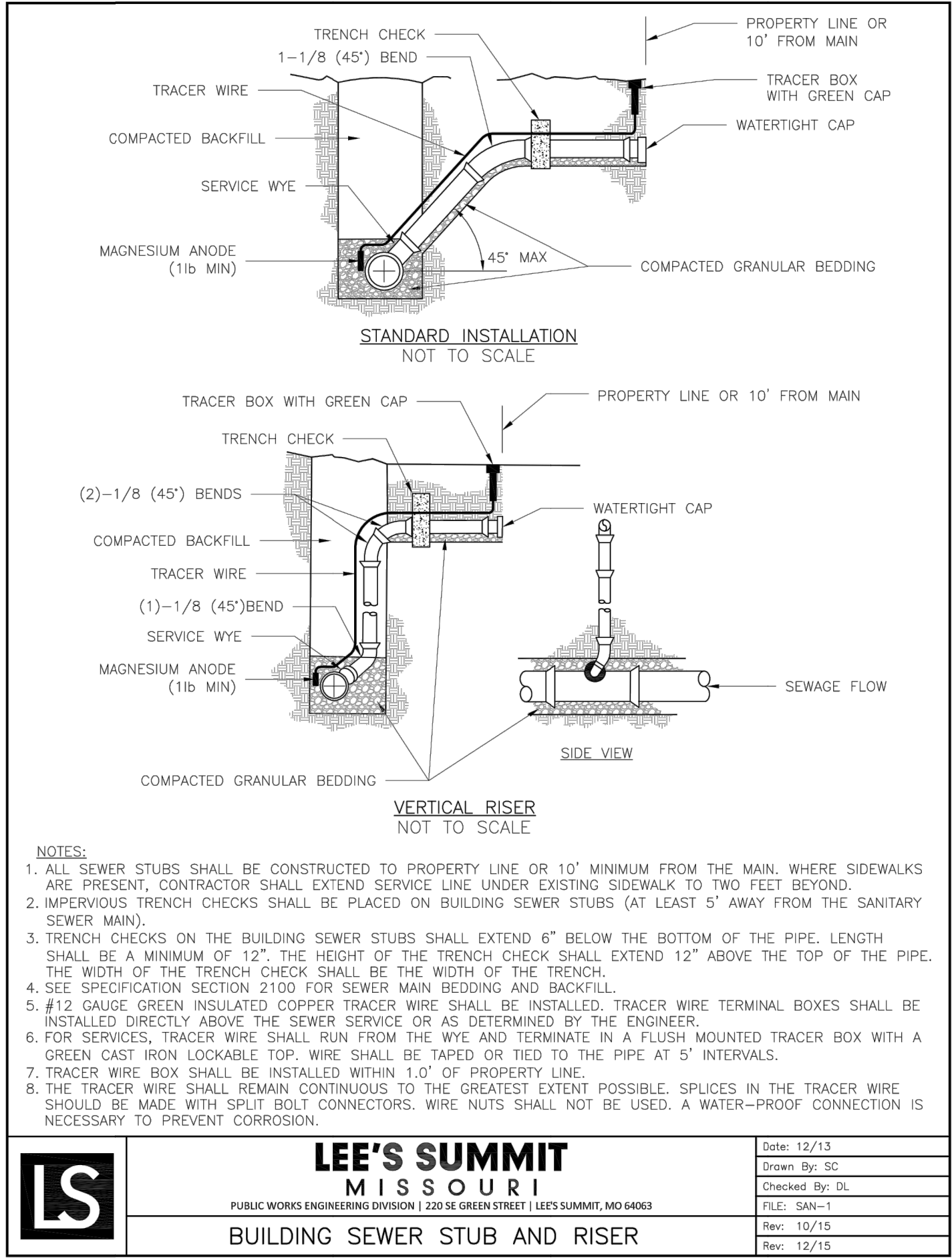
Project:
Monticello
Issue Date:
May 2019

Matthew J. Schlicht
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OK PE 25226

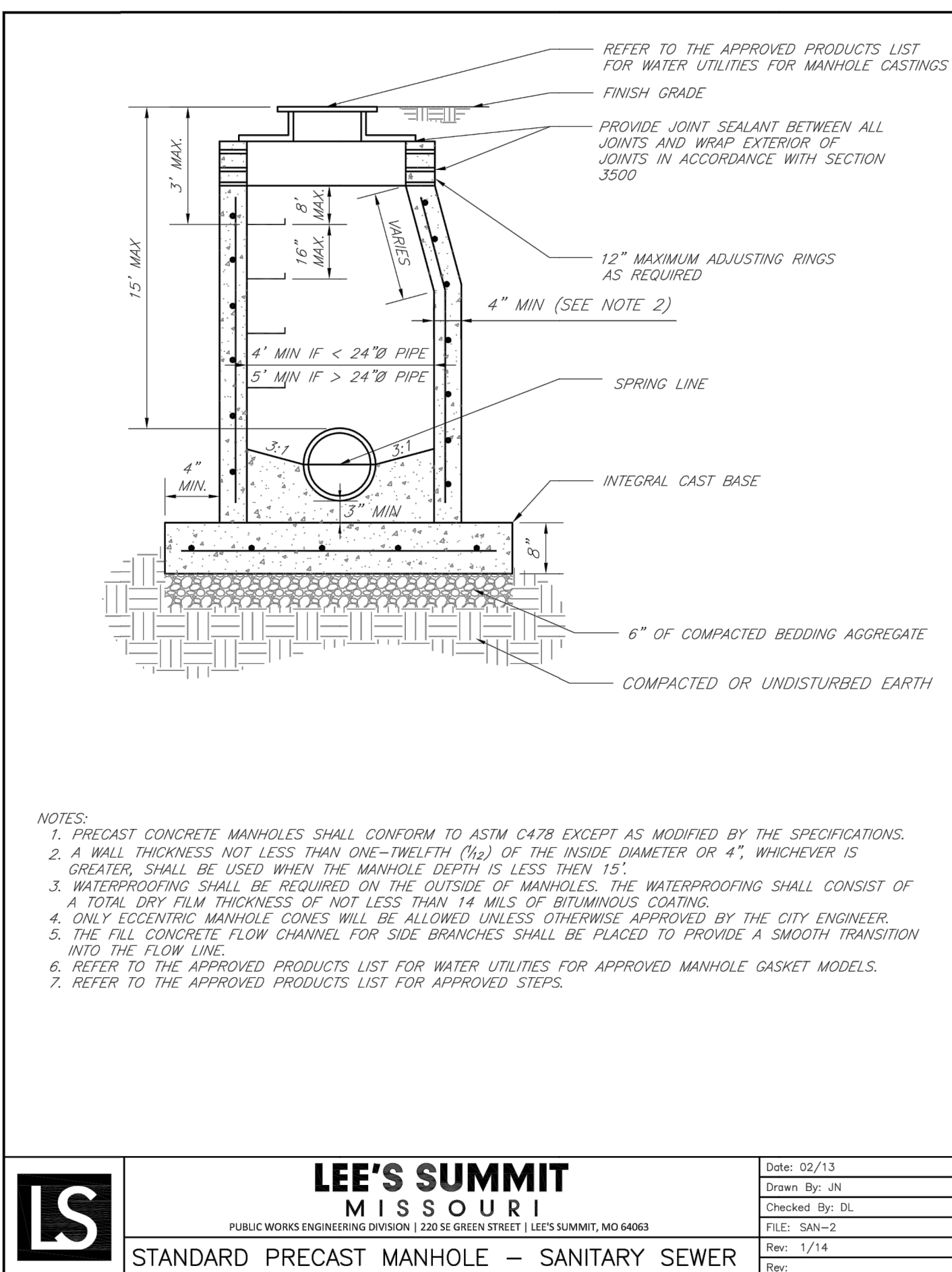
REVISIONS

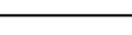
REV. 6/9/2020
REV. 6/19/2020
REV. 6/30/2020
REV. 7/21/2020

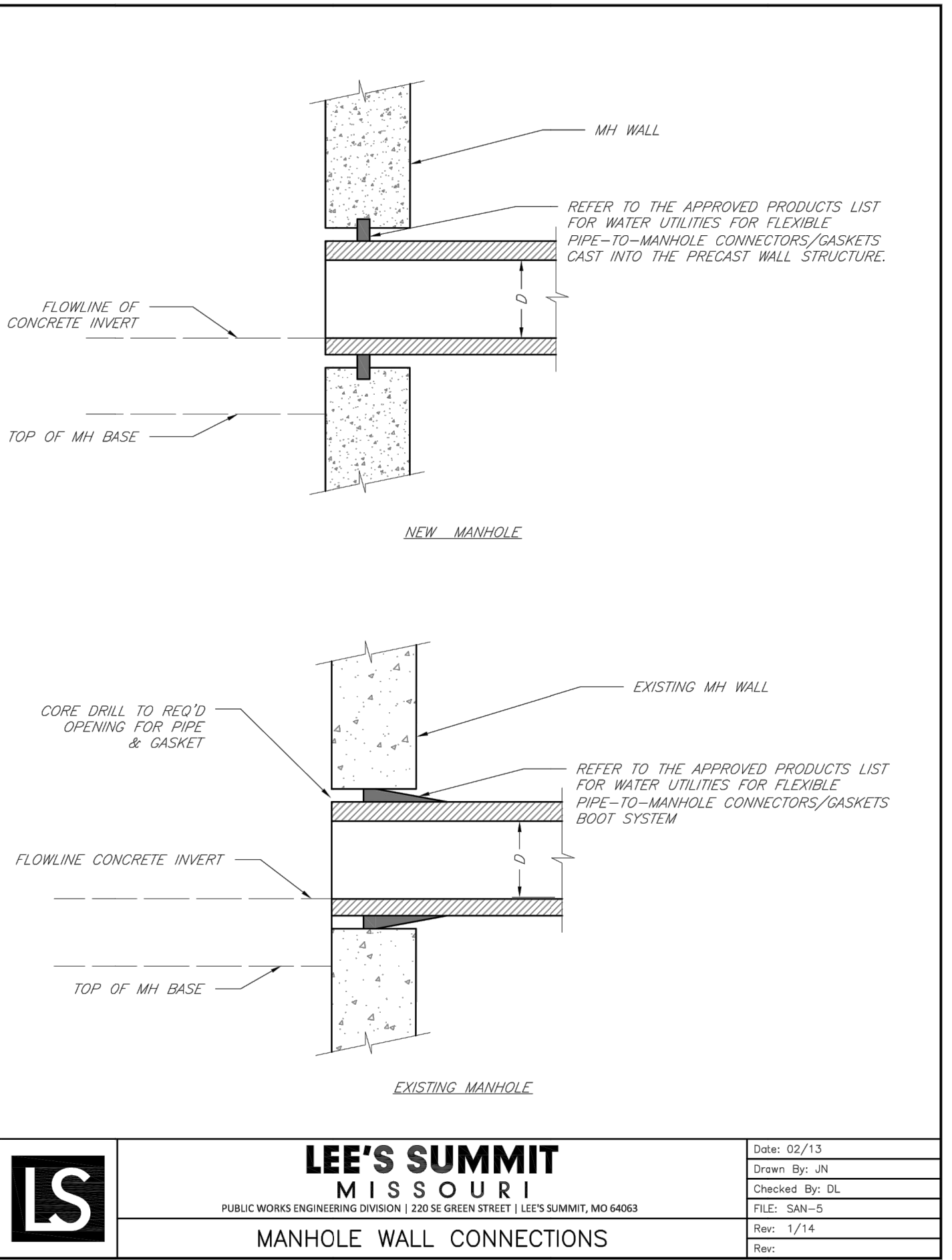
C.404



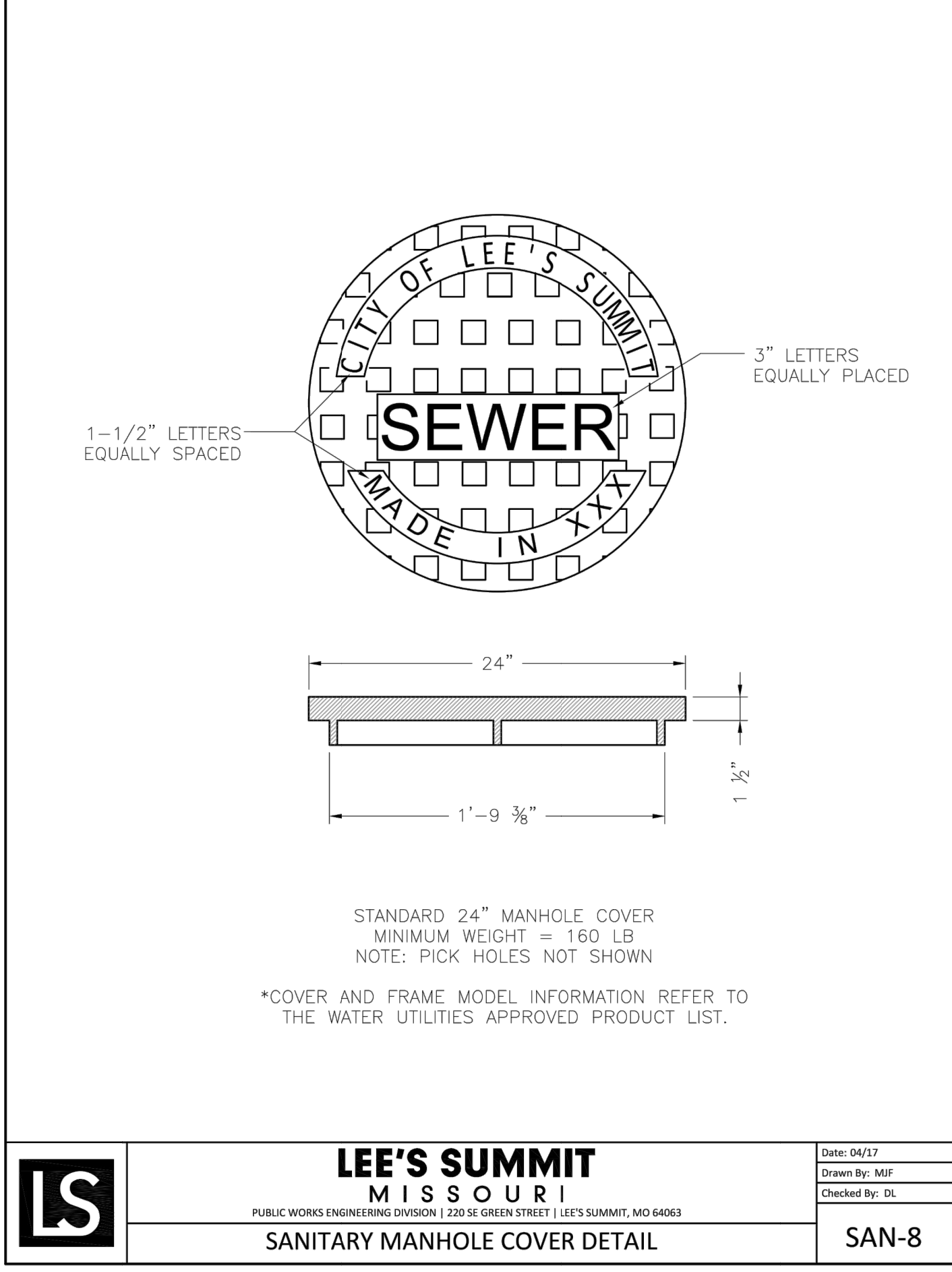
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		Drawn By: SC
		Checked By: DL
		FILE: SAN-1
		Rev: 10/15
		Rev: 12/15
BUILDING SEWER STUB AND RISER		



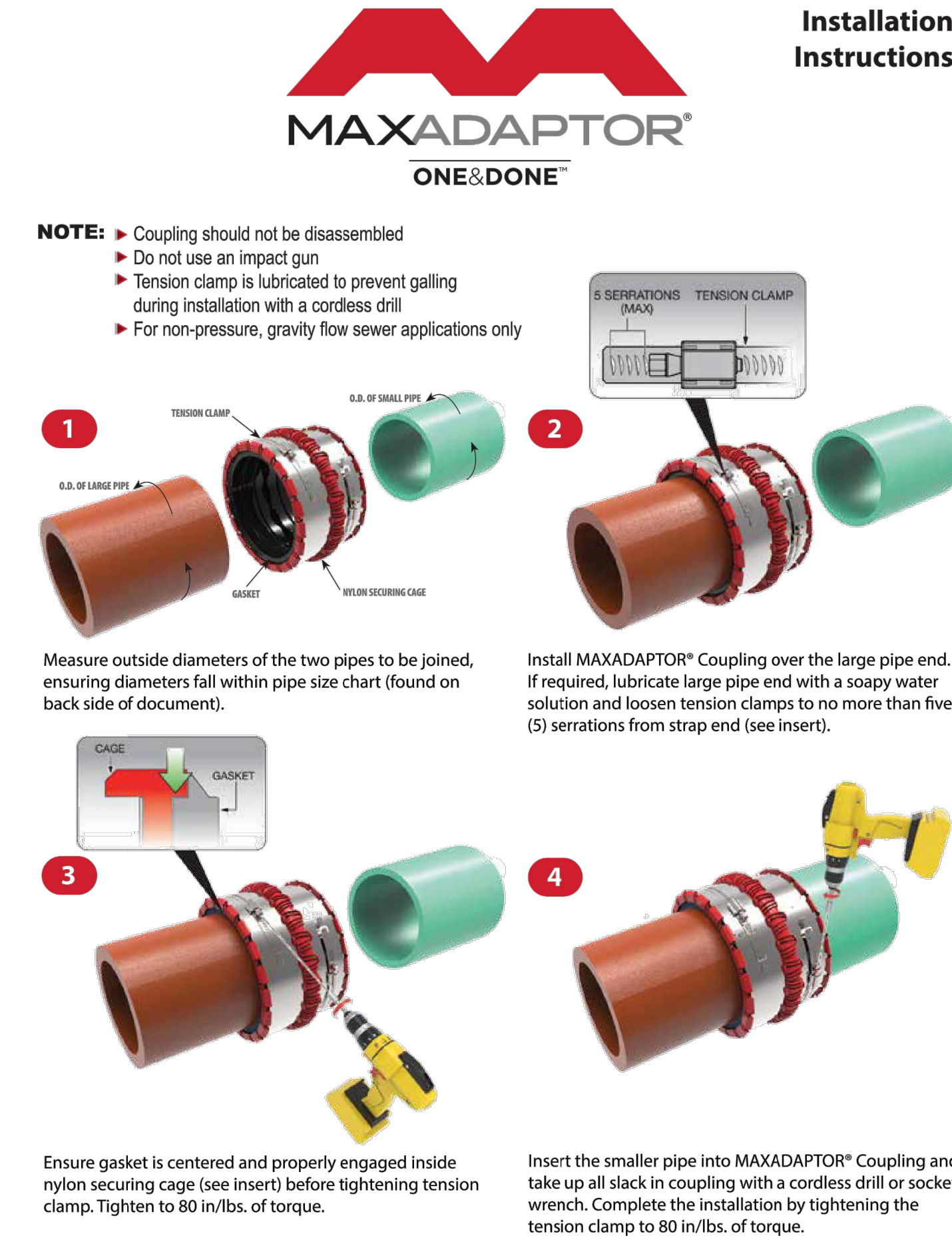
	LEE'S SUMMIT MISSOURI PUBLIC WORKS ENGINEERING DIVISION 220 SE GREEN STREET LEE'S SUMMIT, MO 64063	Date: 02/13
		Drawn By: JN
		Checked By: DL
		FILE: SAN-2
		Rev: 1/14
STANDARD PRECAST MANHOLE — SANITARY SEWER		Rev:



	LEE'S SUMMIT MISSOURI PUBLIC WORKS ENGINEERING DIVISION 220 SE GREEN STREET LEE'S SUMMIT, MO 64063 MANHOLE WALL CONNECTIONS	Date: 02/13
		Drawn By: JN
		Checked By: DL
		FILE: SAN-5
		Rev: 1/14
		Rev:

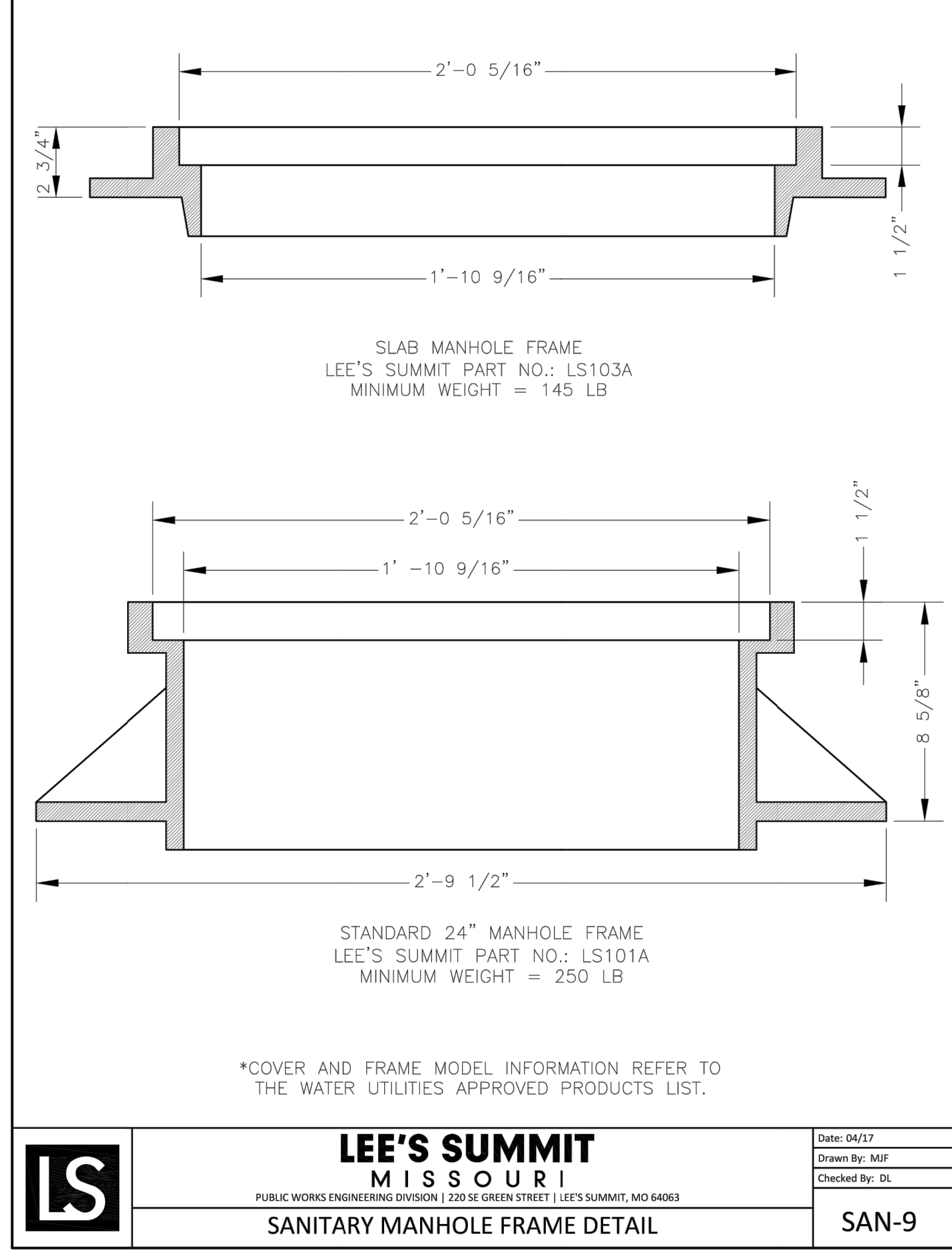


	LEE'S SUMMIT MISSOURI PUBLIC WORKS ENGINEERING DIVISION 220 SE GREEN STREET LEE'S SUMMIT, MO 64063	Date: 04/17
		Drawn By: MIF
		Checked By: DL
	SANITARY MANHOLE COVER DETAIL	
	SAN-8	



Ensure gasket is centered and properly engaged inside nylon securing cage (see insert) before tightening tension clamp. Tighten to 80 in./lbs. of torque.

Insert the smaller pipe into MAXADAPTOR® Coupling and take up all slack in coupling with a cordless drill or socket wrench. Complete the installation by tightening the tension clamp to 80 in./lbs. of torque.



	LEE'S SUMMIT MISSOURI PUBLIC WORKS ENGINEERING DIVISION 220 SE GREEN STREET LEE'S SUMMIT, MO 64063	Date: 04/17
		Drawn By: Mif
		Checked By: DL
	SANITARY MANHOLE FRAME DETAIL	
	SAN-9	

Added Maxadaptor Detail

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