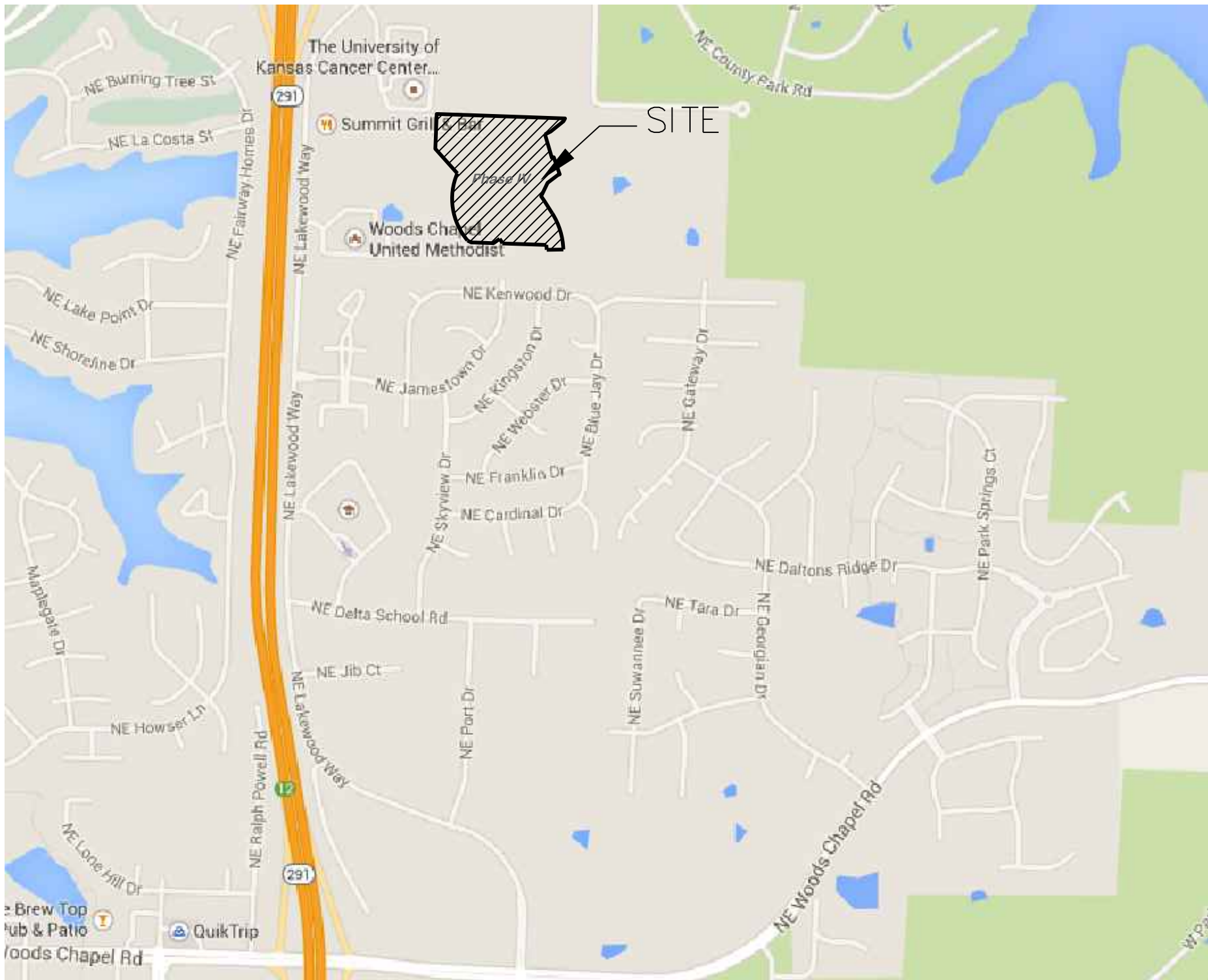


MONTICELLO 4th PLAT
SANITARY SEWER CONSTRUCTION PLANS
LOTS 109- TRACTS
SECTION 4, TOWNSHIP 48 NORTH, RANGE 31 WEST
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

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 DEVELOPMENT SERVICES INSPECTIONS ~ 969-1800
CITY OF LEE'S SUMMIT WATER UTILITIES ~ 969-1900
MISSOURI ONE CALL (DIG RITE) ~ 1-800-344-7483



SITE LOCATION MAP

- 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

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.

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.

CITY OF LEE'S SUMMIT, MISSOURI

APPROVED: DATE: _____

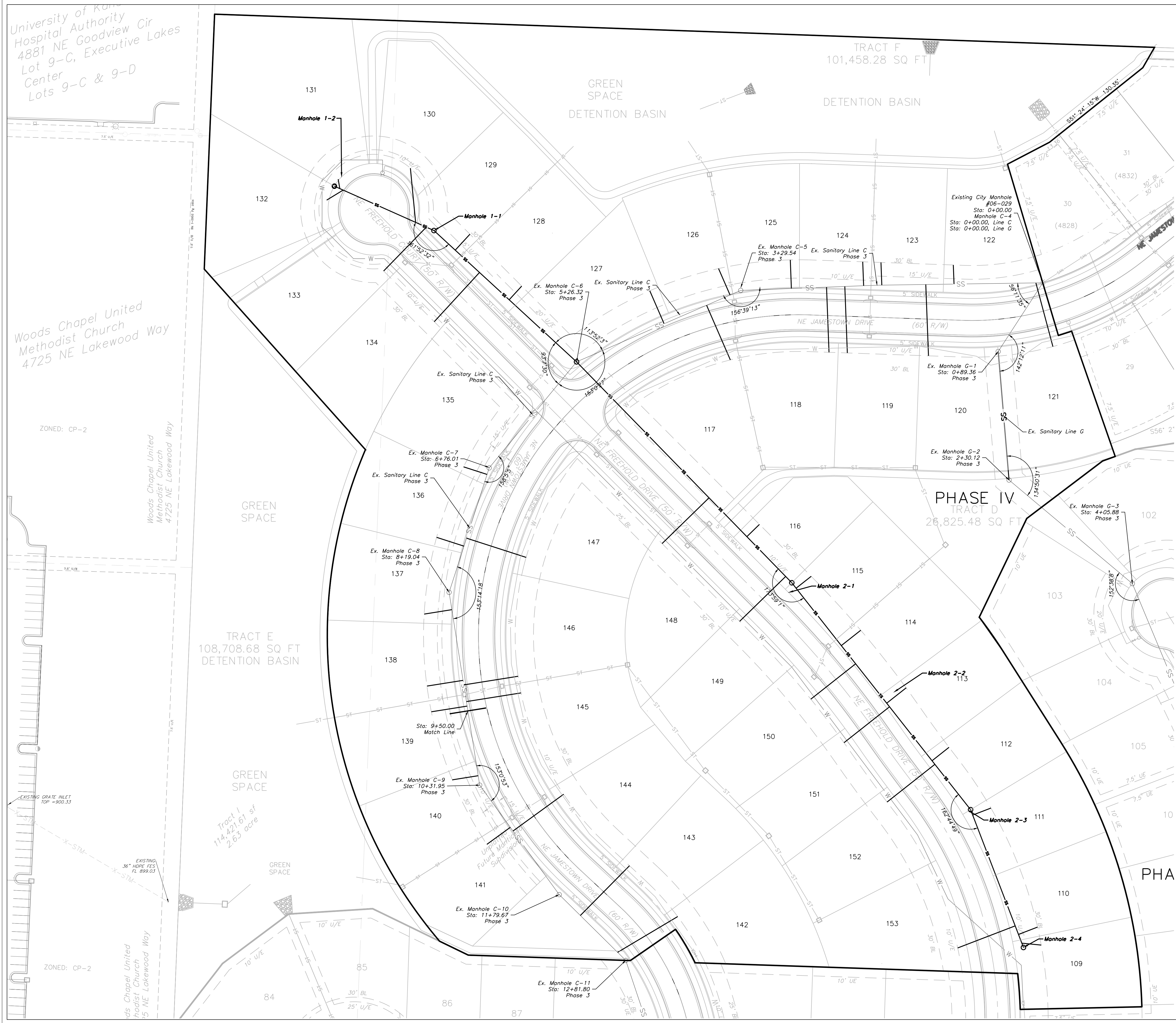
BY: _____
CITY ENGINEER

Monticello 4th Plat
Lee's Summit, Jackson County, Missouri

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 25526

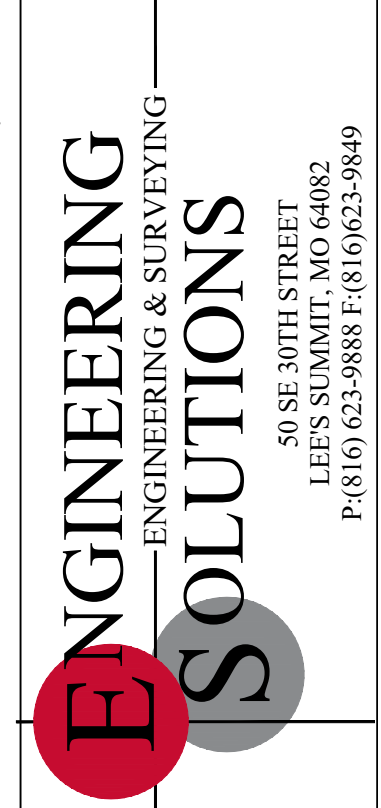
REVISIONS



SANITARY SEWER GENERAL LAYOUT

SCALE: 1" = 50'

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Professional Registration
Missouri
Engineering 2005002185-D
Surveying 200500019-D
Kansas
Engineering E-1895
Surveying LS-219
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

Sanitary Sewer General Layout
Construction Plans for:
Monticello 4th Plat
Lee's Summit, Jackson County, Missouri

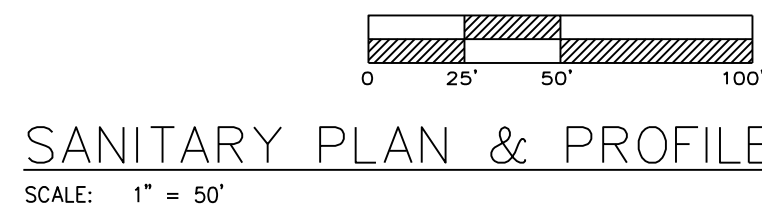
Project:
Monticello
Issue Date:
May, 2019

Sanitary Sewer General Layout
Construction Plans for:
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Lee's Summit, Jackson County, Missouri

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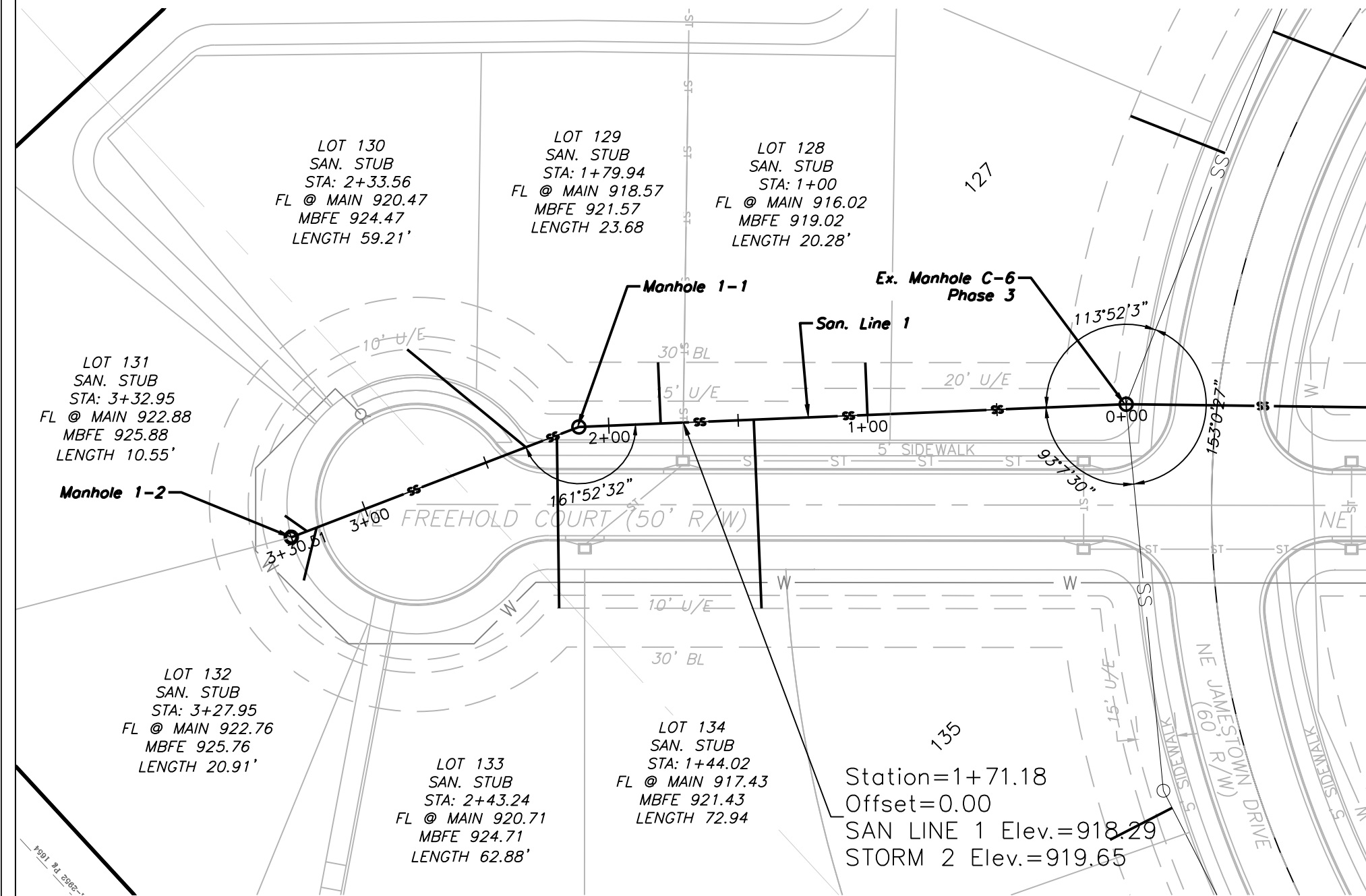
REVISIONS

1. SEWER MAIN PIPE SHALL BE SDR-26 PVC MINIMUM UNLESS OTHERWISE INDICATED.
2. ALL SERVICE STUBS SHALL BE SDR-26 MINIMUM.
3. CONTRACTOR SHALL FIELD VERIFY EXACT LENGTHS OF 4" RISERS AND SERVICE LINES.
4. 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.



GENERAL NOTE:

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



This diagram is a sanitary sewer profile view showing the existing and proposed sewer line. The vertical axis represents elevation in feet, ranging from 890 to 970. The horizontal axis represents stationing, with major markers at 3+00, 2+00, 1+00, and 0+00. The profile includes two manholes: Sanitary Manhole 1-2 at station 3+00 and Sanitary Manhole 1-1 at station 2+00. The sewer line is shown with existing and proposed grades, and the pipe is labeled 'FL Pipe'. The profile also shows the storm line and storm sewer main. The existing grade is shown as a dashed line, and the proposed grade is shown as a solid line. The pipe is shown as a thick solid line. The profile includes the following data:

- Sanitary Manhole 1-2 (Station 3+00):**
 - Sta. 3+00.45'
 - Top: 923.65'
 - FL Out (E): 923.00'
- Sanitary Manhole 1-1 (Station 2+00):**
 - Sta. 2+00.56'
 - Top: 920.56'
 - FL In (W): 920.00'
 - FL Out (SE): 919.50'
- Sanitary Sewer Main (Station 3+00 to 2+00):**
 - Length: 118.95 L.F.
 - Slope: 8" SDR-26 @ 2.52%
- Sanitary Sewer Main (Station 2+00 to 0+00):**
 - Length: 211.56 L.F.
 - Slope: 8" SDR-26 @ 3.11%
- Storm Line (Station 2+00 to 0+00):**
 - Length: 196.78 L.F.
 - Slope: 8" SDR-26 @ 1.07%
- Existing Grade (Station 3+00 to 0+00):**
 - Station 3+00: 930.4'
 - Station 2+00: 929.9'
 - Station 1+00: 916.82'
 - Station 0+00: 912.50'
- Proposed Grade (Station 3+00 to 0+00):**
 - Station 3+00: 922.75'
 - Station 2+00: 922.13'
 - Station 1+00: 930.1'
 - Station 0+00: 928.3'
- FL Pipe (Station 3+00 to 0+00):**
 - Station 3+00: 923.00'
 - Station 2+00: 920.00'
 - Station 1+00: 919.50'
 - Station 0+00: 912.50'
- Storm Line (Station 2+00 to 0+00):**
 - Station 2+00: 920.00'
 - Station 1+00: 918.29'
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 - Station 1+00: 918.29'
 - Station 0+00: 912.50'
- Sanitary Sewer Main (Station 3+00 to 0+00):**
 - Station 3+00: 923.00



Sanitary Sewer Profile View

Vertical Axis (Elevation): 890 to 970 feet.

Horizontal Axis (Stationing): 0+00 to 8+00.

Key Features:

- Existing Grade:** Dashed line.
- Proposed Grade:** Solid line.
- Sanitary Sewer Main:**
 - 0+00 to 1+00: 36.78 L.F. of 8" SDR-26 @ 1.07% slope.
 - 1+00 to 3+00: 336.55 L.F. of 8" SDR-26 @ 5.11% slope.
 - 3+00 to 6+00: 315.26 L.F. of 8" SDR-26 @ 2.27% slope.
 - 6+00 to 8+00: 160.53 L.F. of 8" SDR-26 @ 1.09% slope.
- Manholes:**
 - Manhole C-6:** Station 0+00. Top: 928.36', New FL in (W): 912.91', FL in (W): 912.56', FL out (E): 912.41'.
 - Manhole 2-1:** Station 3+00. Top: 940.68', FL in (W): 930.10', FL in (E): 930.60'.
 - Manhole 2-2:** Station 6+00. Top: 950.28', FL out (W): 937.75', FL in (E): 938.25'.
 - Manhole 2-4:** Station 8+00. Top: 950.16', FL out (W): 940.00'.
- Other Notes:**
 - Sta. 0+71.58: Water Line FL 924.12, Sanitary FL 916.49.
 - Sta. 4+15.11: Storm Line FL 932.35, Sanitary FL 938.08.

Scale: 1" = 20' (vertical), 1" = 20' (horizontal).

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

Lee's Summit, Jackson County, Missouri

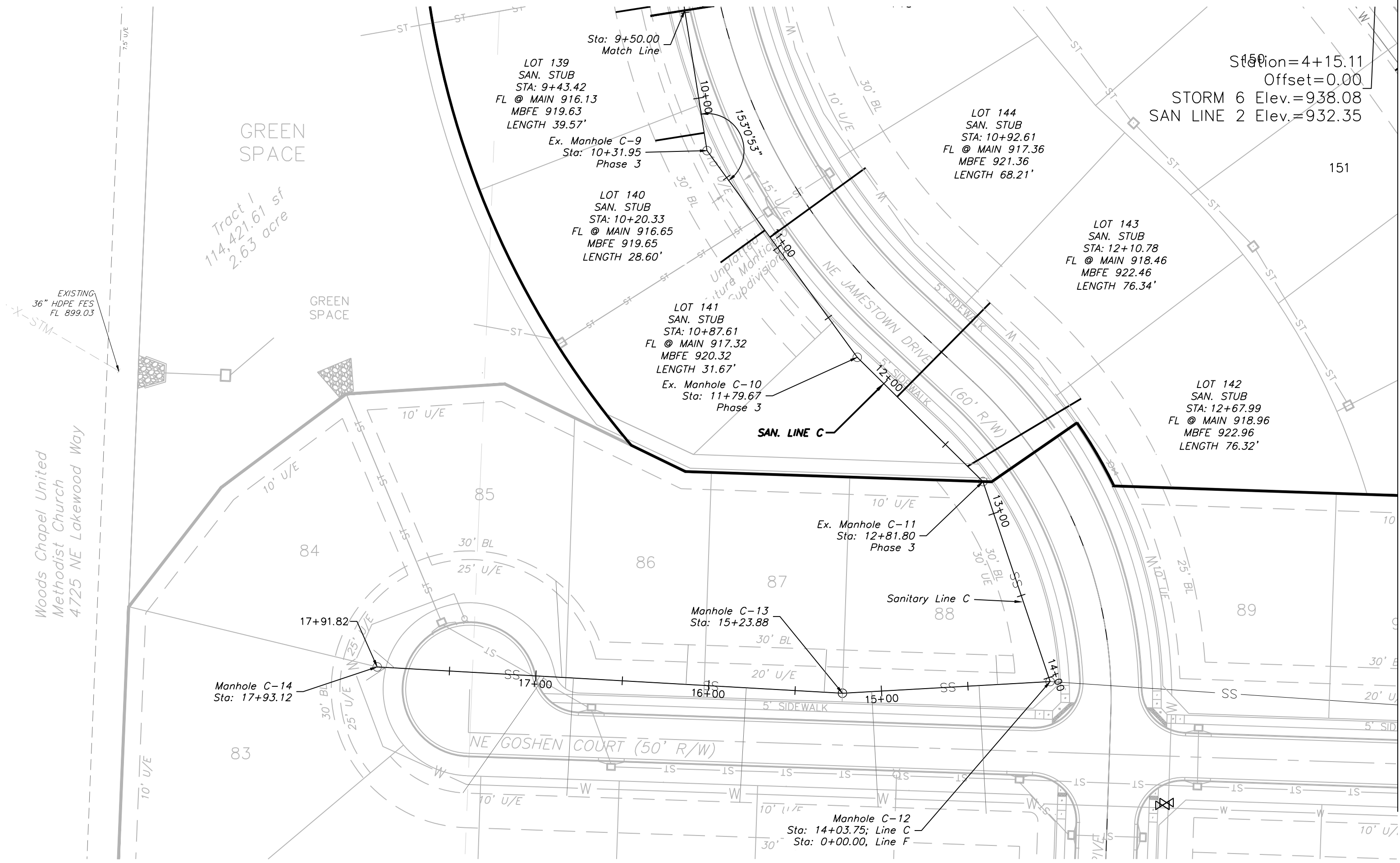
Issue Date:
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Construction Plans for:
Monticello 4th Plat
Lee's Summit, Jackson County, Missouri

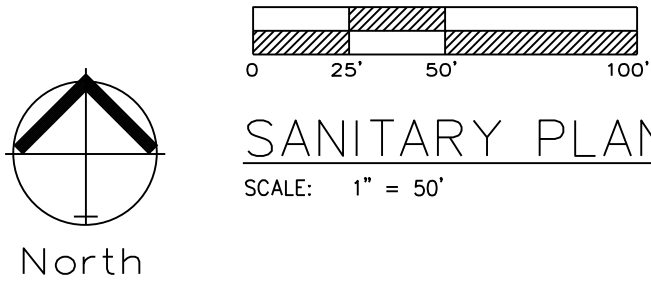
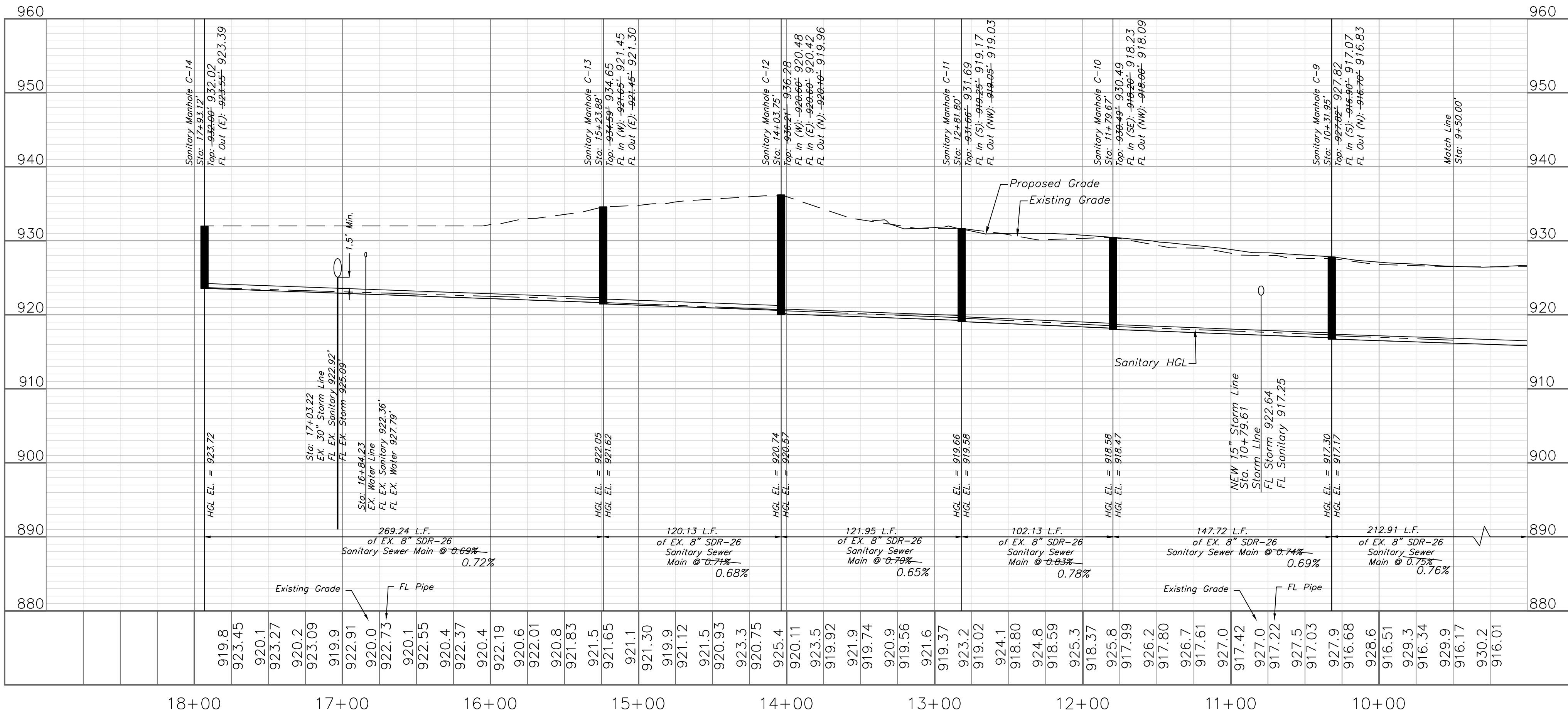
Matthew J. Schlicht
D PE 2006019708
KS PE 19071
OK PE 25226

REVISIONS

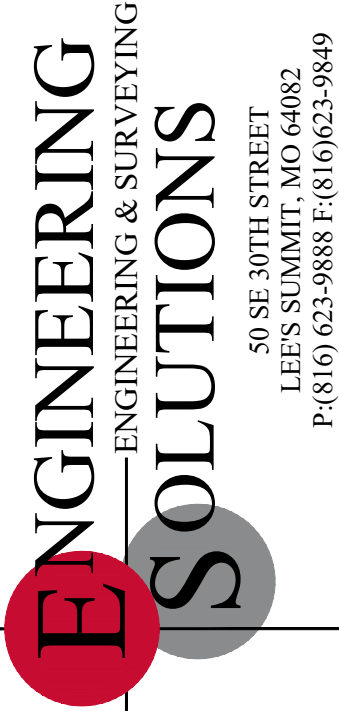
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EX. SAN LINE C



NOTE:
CONTRACTOR TO INSTALL SERVICE LINES.



Professional Registration
Missouri
Engineering 2005002185-D
Surveying 2005000119-D
Kansas
Engineering E-1895
Surveying LS-219
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

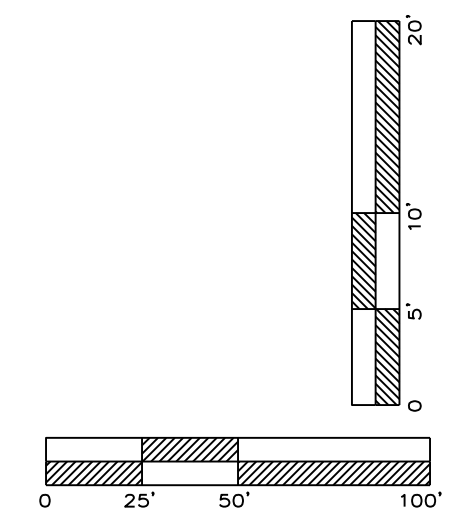
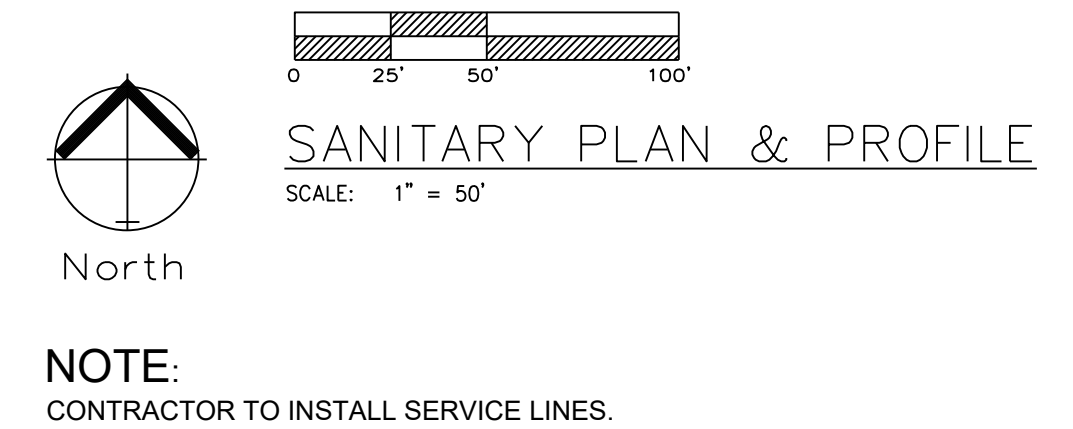
Project:
Monticello
Sanitary Plan and Profile
Construction Plans for:
Monticello 4th Plat
Lee's Summit, Jackson County, Missouri
Issue Date:
May, 2019

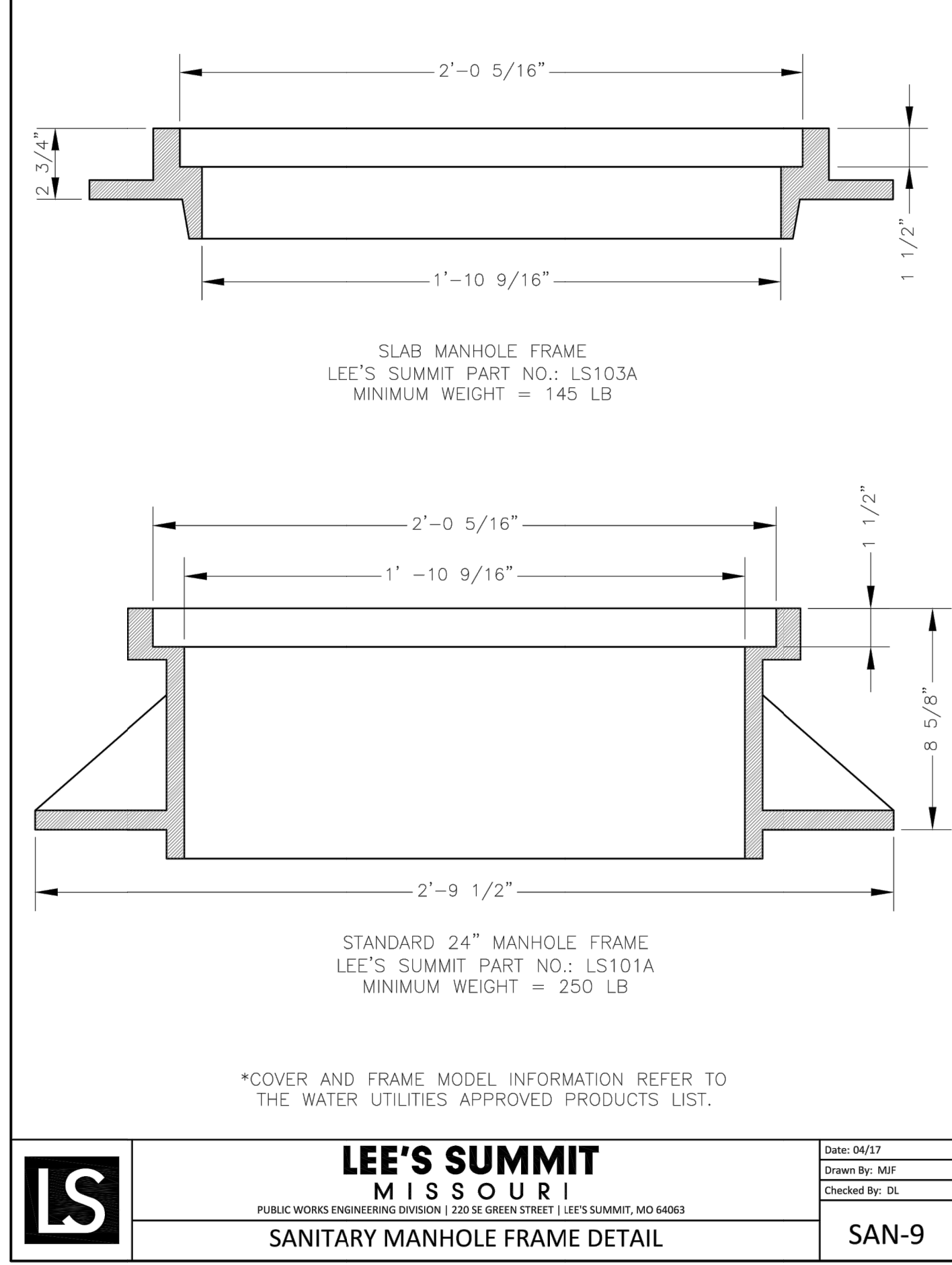
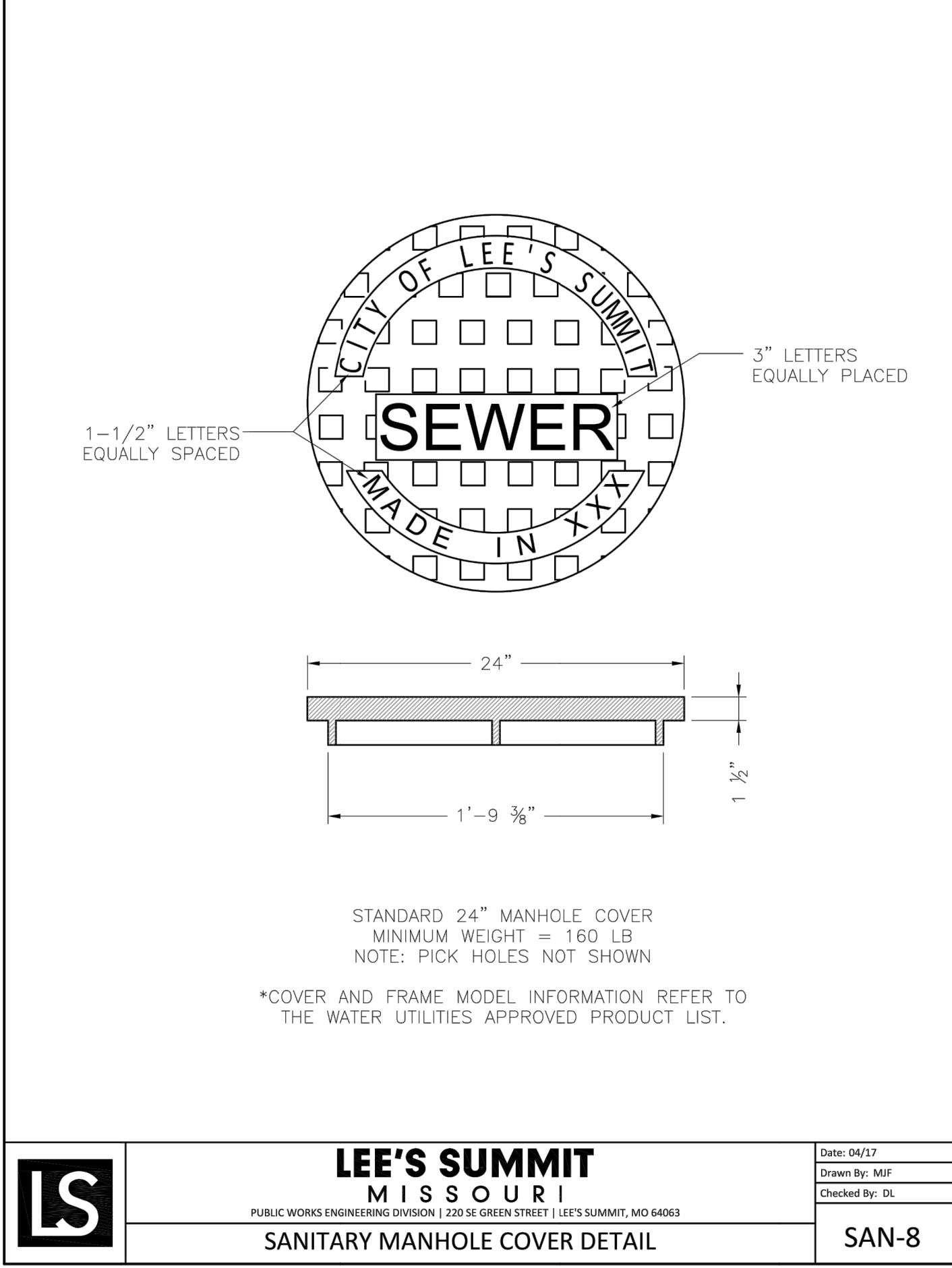
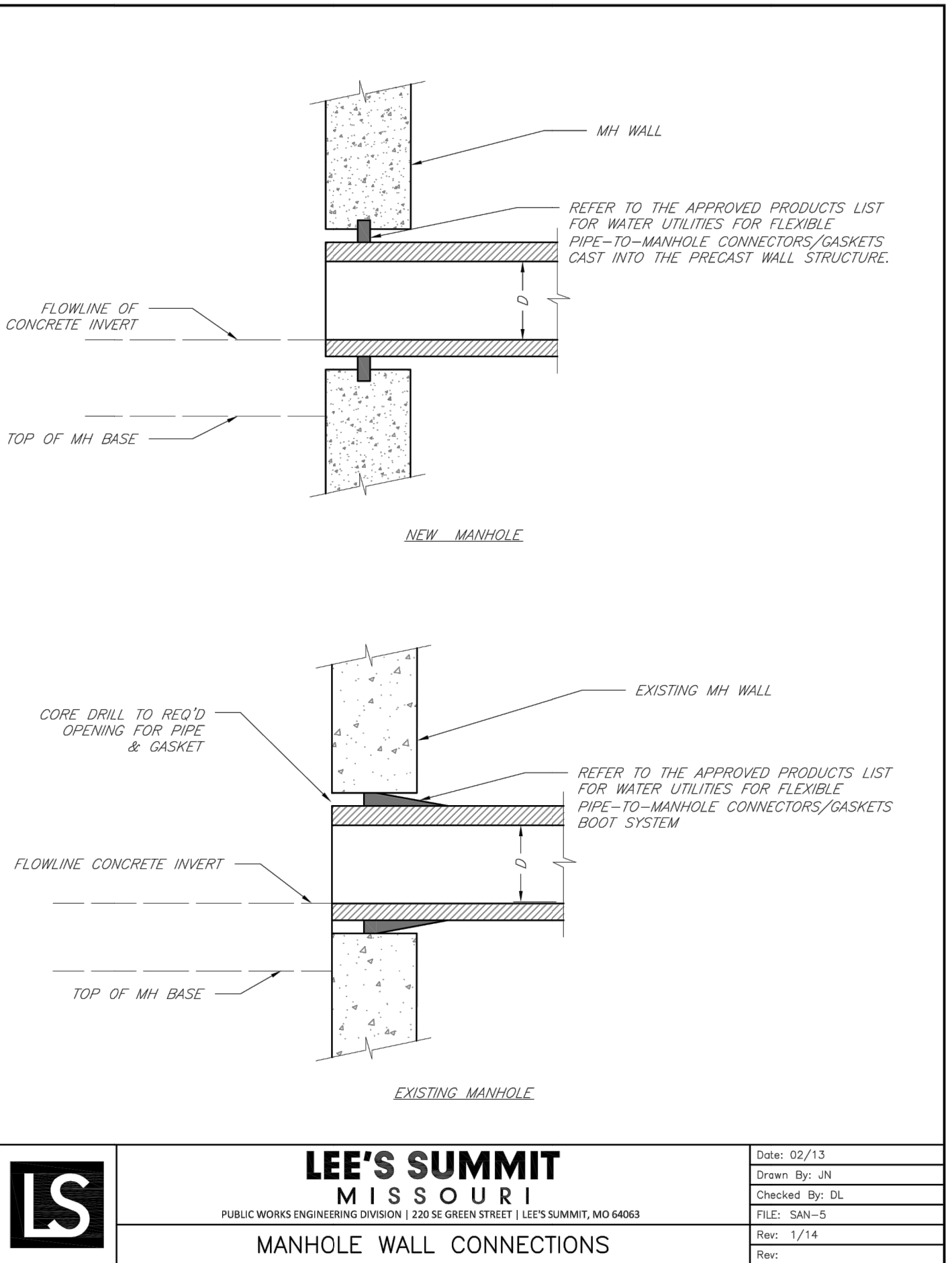
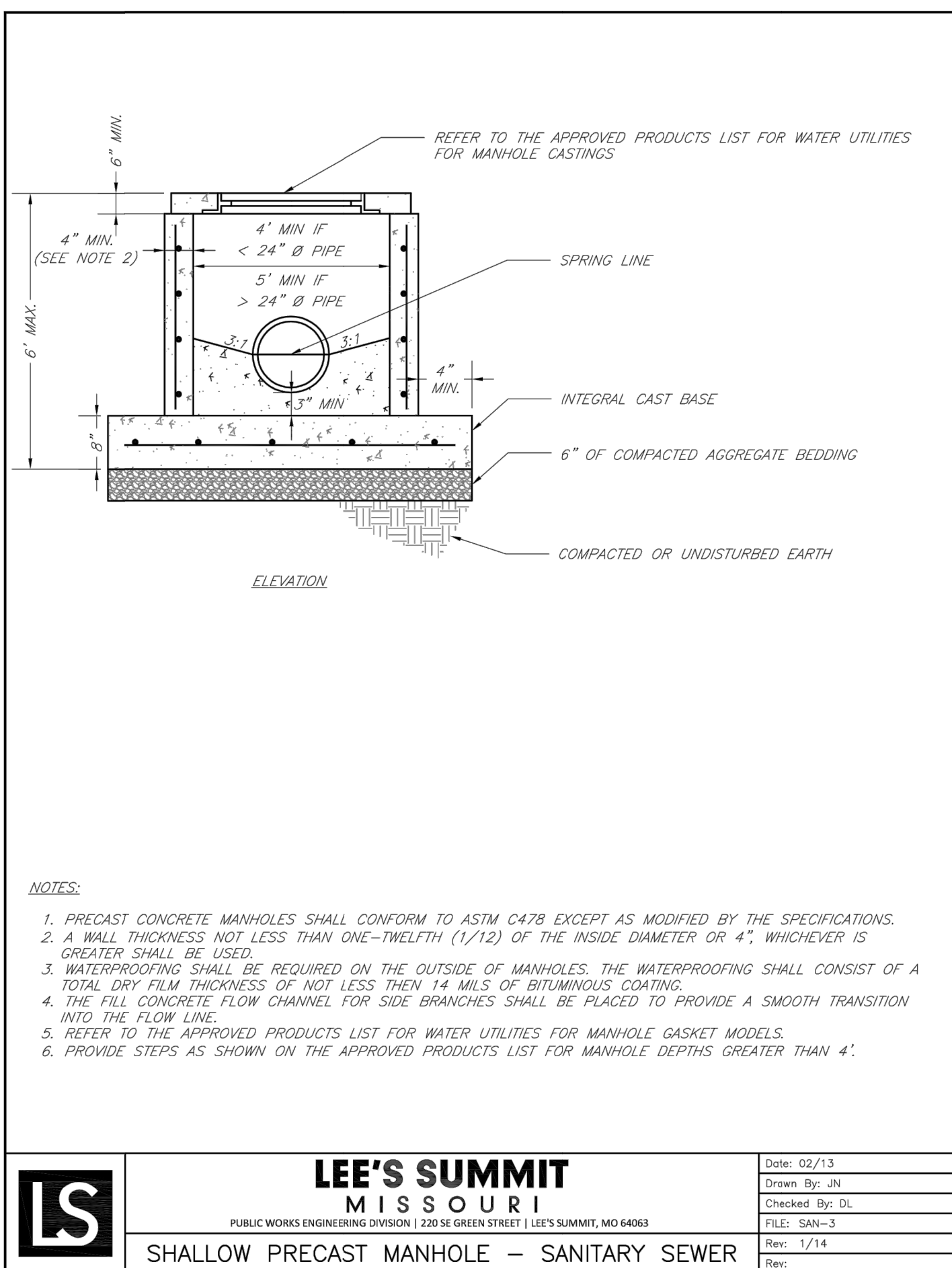
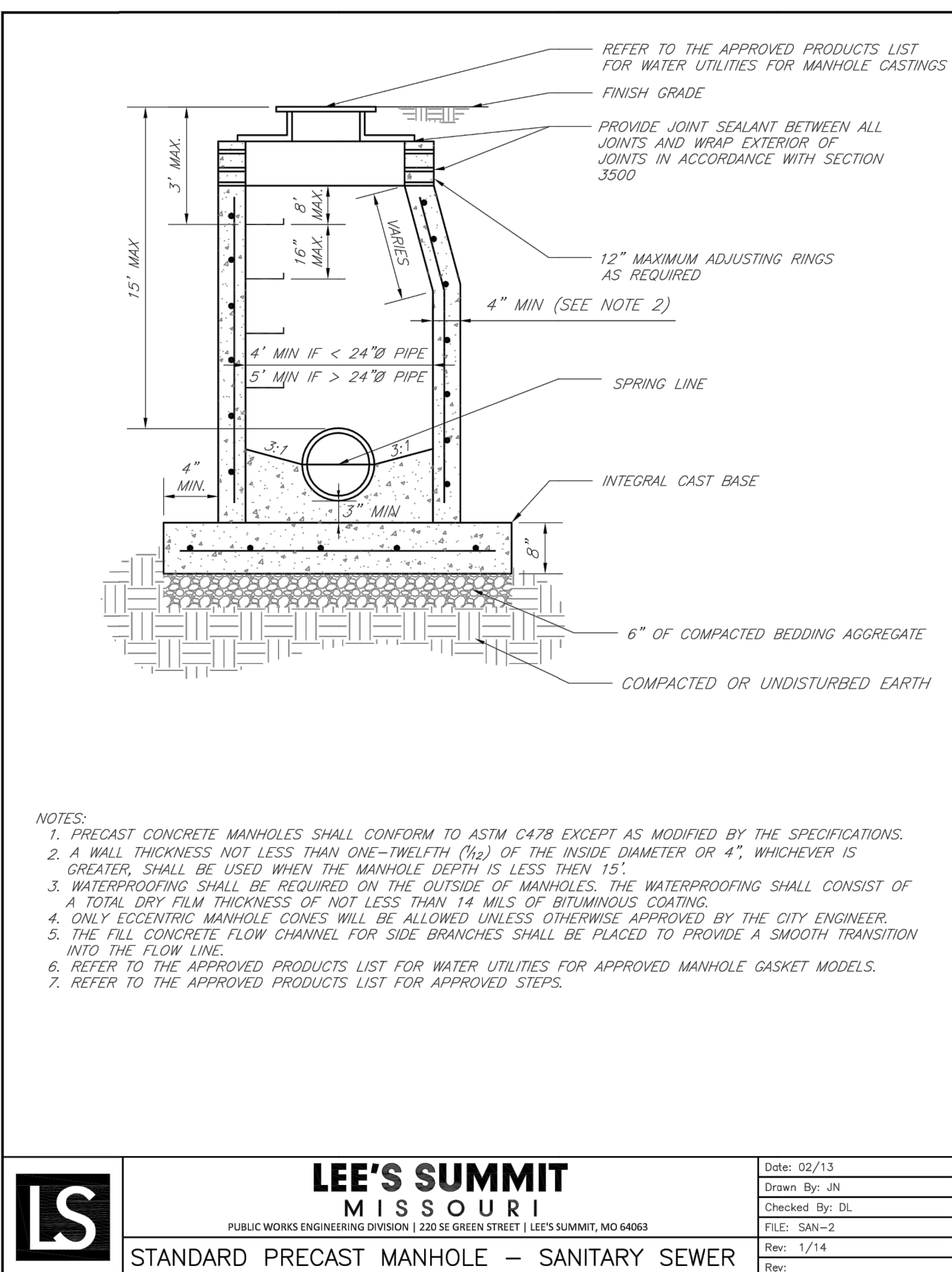
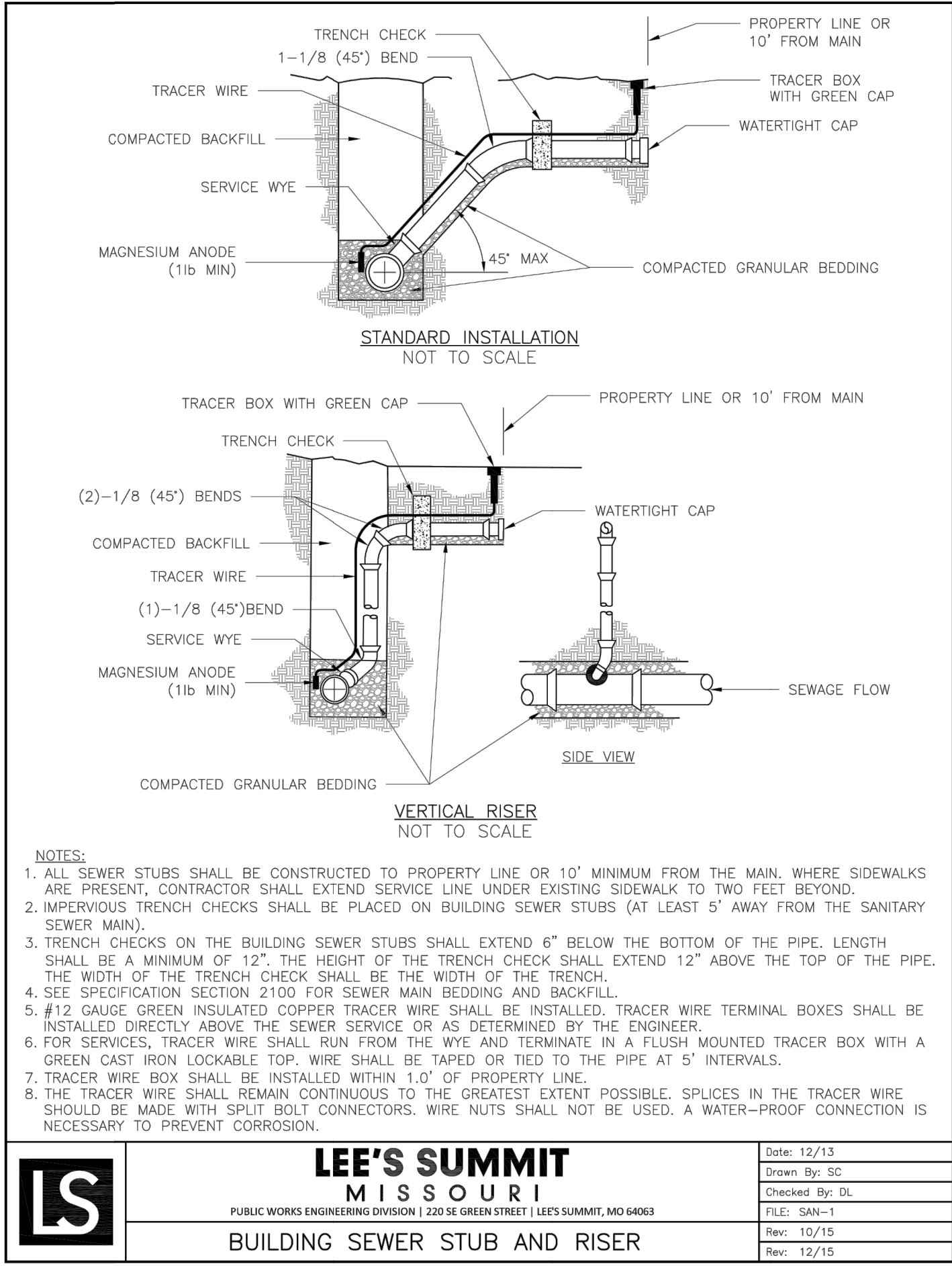
Sanitary Plan and Profile
Construction Plans for:
Monticello 4th Plat
Lee's Summit, Jackson County, Missouri

Matthew J. Schlicht
MO PE 2006019708
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REVISIONS
C.403

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