# Town Centre OFF-SITE SANITARY SEWER CONSTRUCTION PLANS

Section 29, Township 48 North, Range 31 West LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

# **CONSTRUCTION AND DESIGN NOTES:**

1. 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 APPROXIMATION. THE ACTUAL ELEVATION SHALL BE DETERMINED BY THE FLOW LINE ELEVATION OF THE SEWER MAIN, THE FITTINGS AND GRADE OF THE SEWER LATERAL

3. 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.

4. A STAKE SHALL BE PLACED AT THE END OF EACH WYE CONNECTION WITH THE END ELEVATION WRITTEN ON THE STAKE

5. FILL AREAS SHALL HAVE 18" OF COMPACTED FILL IN PLACE PRIOR TO TRENCHING

6. A TRENCH CHECK CONSISTING OF FLOWABLE FILL MUST BE INSTALLED ON EVERY PRIVATE LATERAL

# **GENERAL NOTE:**

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 INSTALLED AT ALL SANITARY WYES LOCATION.

3 ~ WYES SHOULD BE LOCATED AT LEAST 4 FEET FROM MANHOLES (EDGE TO EDGE) AND 4 FEET FROM OTHER WYES (CENTER TO CENTER)".

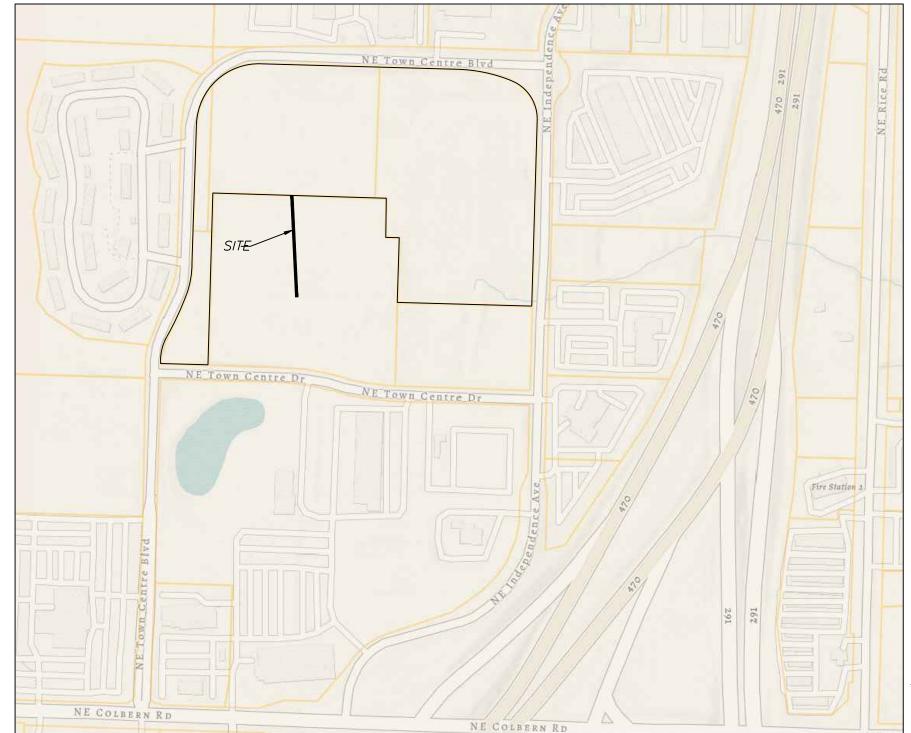
4 ~ THE CONTRACTOR SHALL CONTACT THE CITY'S DEVELOPMENT SERVICES ENGINEERING INSPECTION TO SCHEDULE A PRE-CONSTRUCTION MEETING WITH A FIELD ENGINEERING INSPECTOR PRIOR TO ANY LAND DISTURBANCE WORK AT (816)

## 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 SUBJECT PROPERTY SURVEYED LIES WITHIN A FLOOD ZONE DESIGNATED ZONE (X), AREAS LOCATED OUTSIDE THE 100 YEAR FLOOD PLAIN, PER F.E.M.A. MAP, COMMUNITY PANEL NO. 29095C0430G EFFECTIVE DATE: JANUARY 20, 2017.



Vicinity Map



# **INDEX OF SHEETS:**

C.702 ~ SANITARY SEWER DETAILS

C.700 ~ SANITARY SEWER COVER SHEET C.701 ~ SANITARY SEWER PLAN & PROFILE

# **Summary of Quantities:**

UNIT	ESTIMATED QUANTITY
LF	688.24
EA	1.00
LS	1.00
	LF EA

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 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

COMCAST CABLE ~ 795-1100 WILLIAMS PIPELINE ~ 422-6300

CITY OF LEE'S SUMMIT DEVELOPMENT ENGINEERING INSPECTION AT 816.969.1200

D/E - DRAINAGE EASEMENT FND. – FOUND

L.N.A. - LIMITS OF NO ACCESS R/W - RIGHT OF WAY

S/W - SIDEWALK

WATER LINE STORM SEWER LINE

# **UTILITY COMPANIES:**

MISSOURI GAS ENERGY ~ 756-5261 SOUTHWESTERN BELL TELEPHONE ~ 761-5011

CITY OF LEE'S SUMMIT PUBLIC WORKS ~ 969-1800

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

L/E - LANDSCAPE EASEMENT

SAN - SANITARY SEWER LINE

U/E - UTILITY EASEMENT

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

## **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.

Record Drawing

RECORD DRAWING The information provided on this drawing conforms to construction records; it is not intended for construction, implementation or recording purposes; and it is solely based on information obtained by my firm.

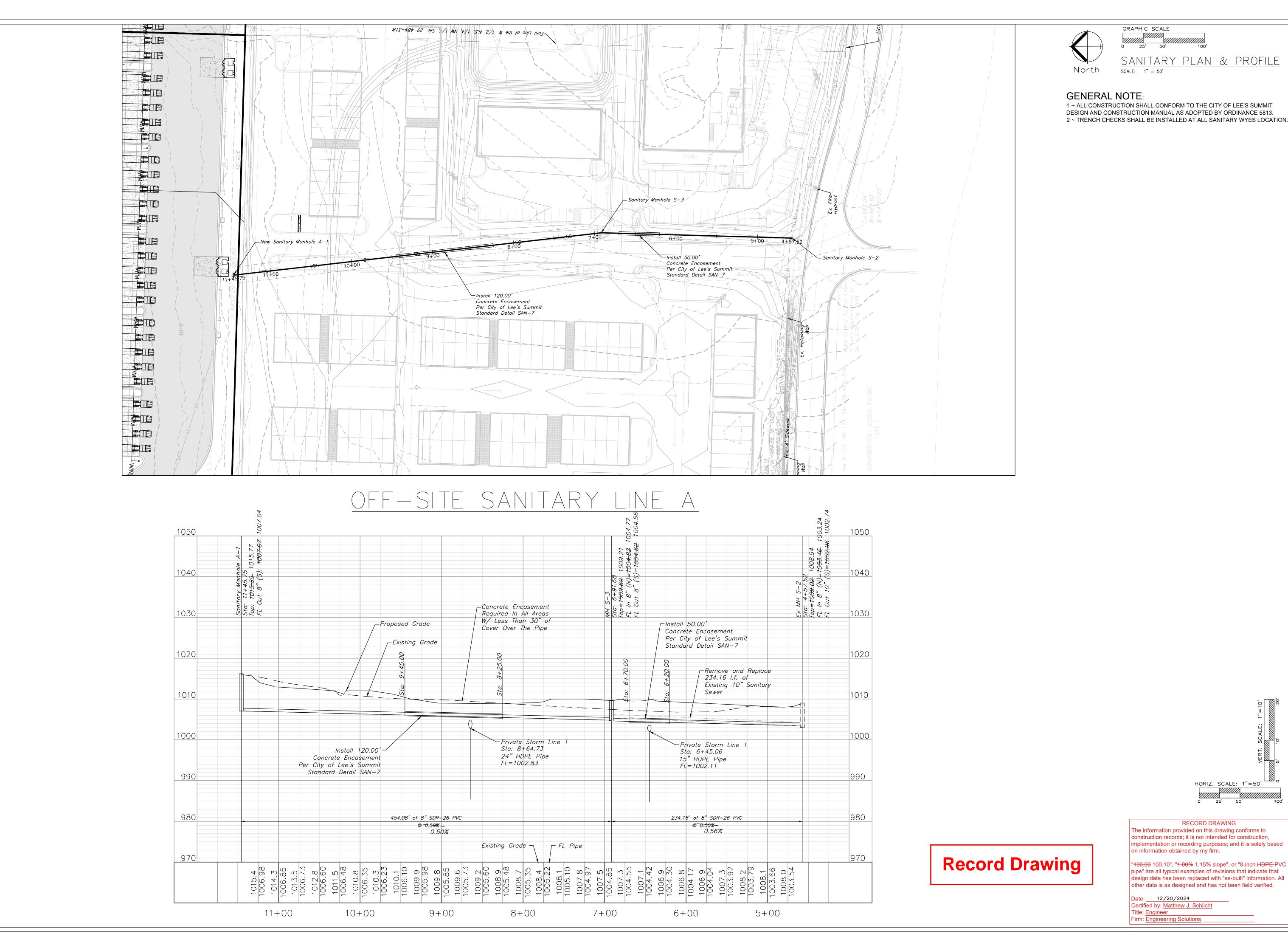
"<del>100.00</del> 100.10", "<del>1.00%</del> 1.15% slope", or "8-inch HDPE-PVC pipe" are all typical examples of revisions that indicate that design data has been replaced with "as-built" information. All other data is as designed and has not been field verified.

Date: 12/20/2024 Certified by: Matthew J. Schlicht Title: Engineer\_ Firm: Engineering Solutions

C.700

REVISIONS

12/20/2024 As-Built

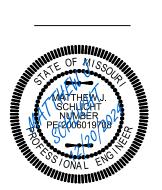


SANITARY PLAN & PROFILE

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

Sanitary Plan and Profile



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

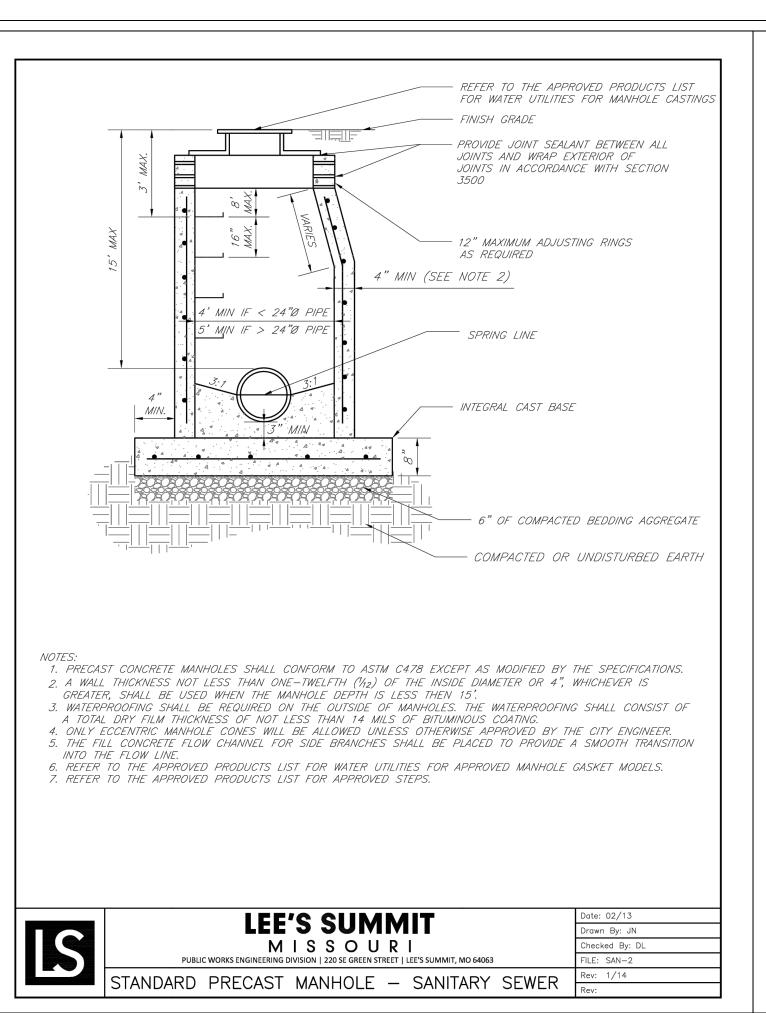
HORIZ. SCALE: 1"=50'
0 25' 50'

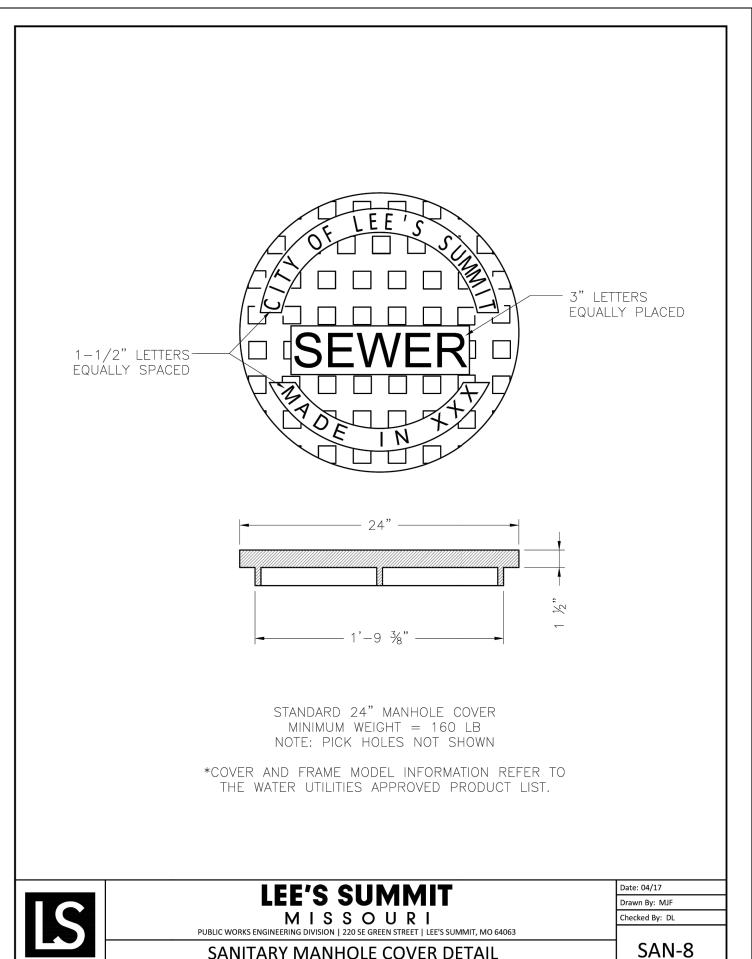
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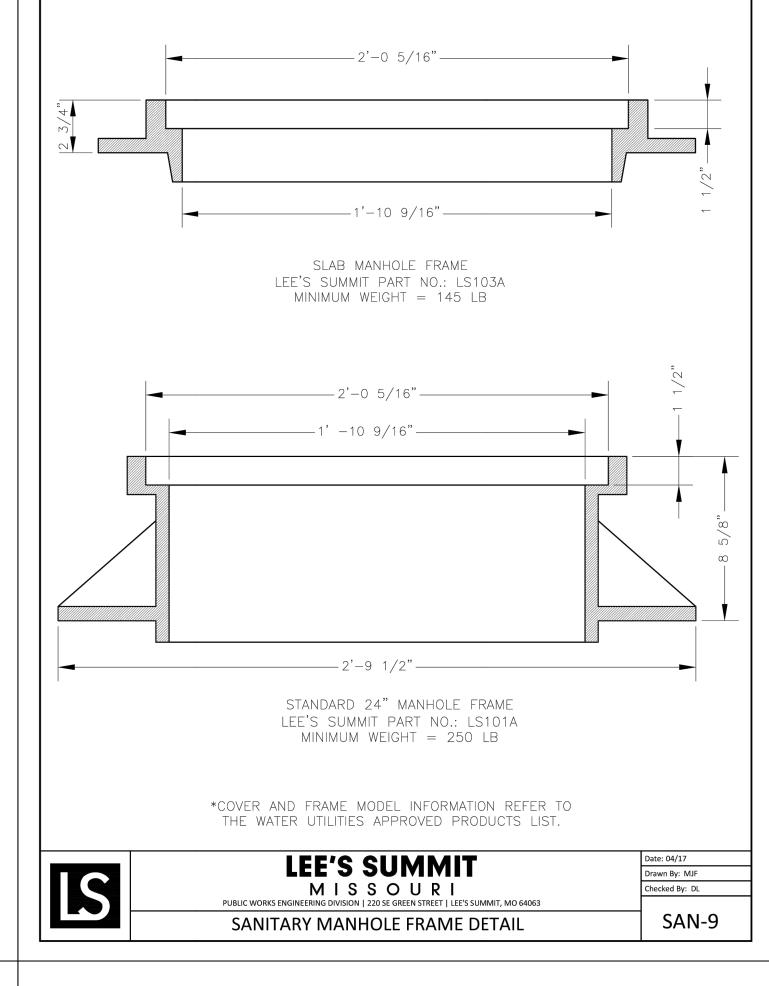
REVISIONS

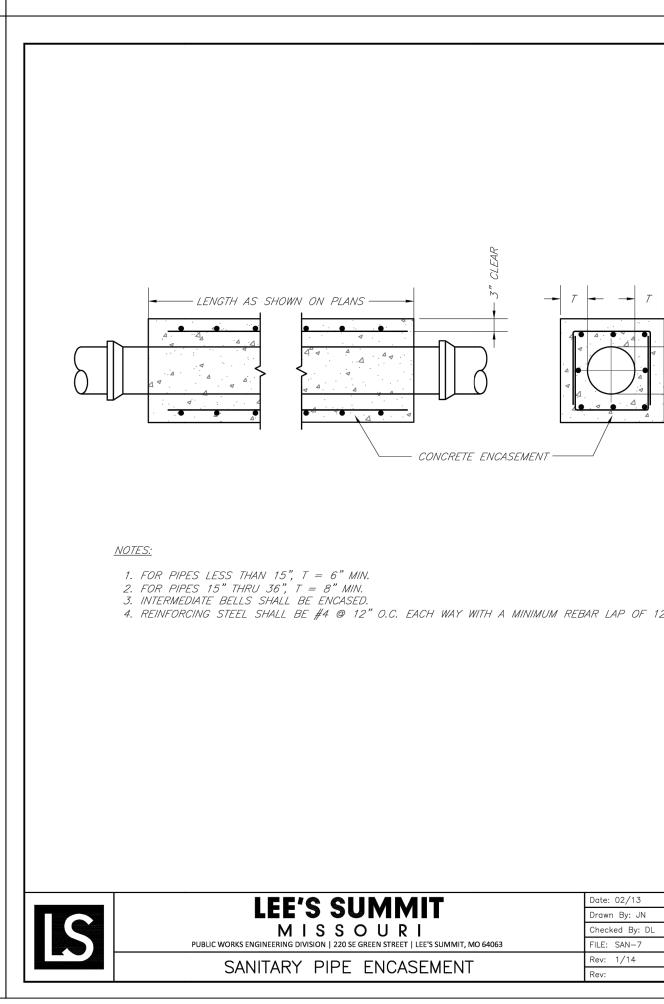
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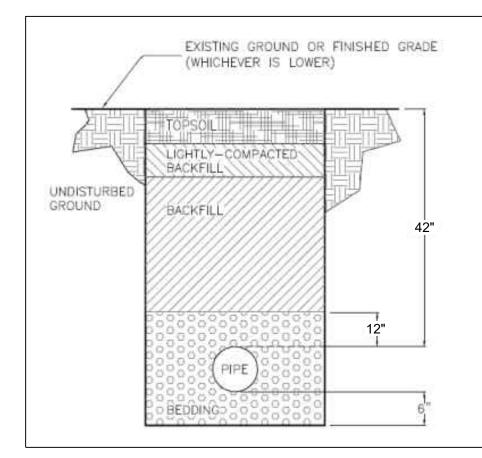
C.701







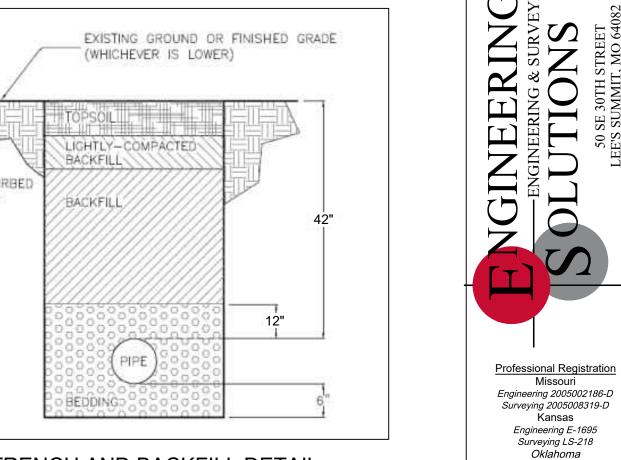




TRENCH AND BACKFILL DETAIL

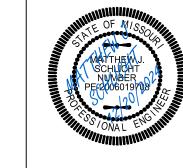
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Kansas

Engineering 6254 Nebraska Engineering CA2821



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

REVISIONS

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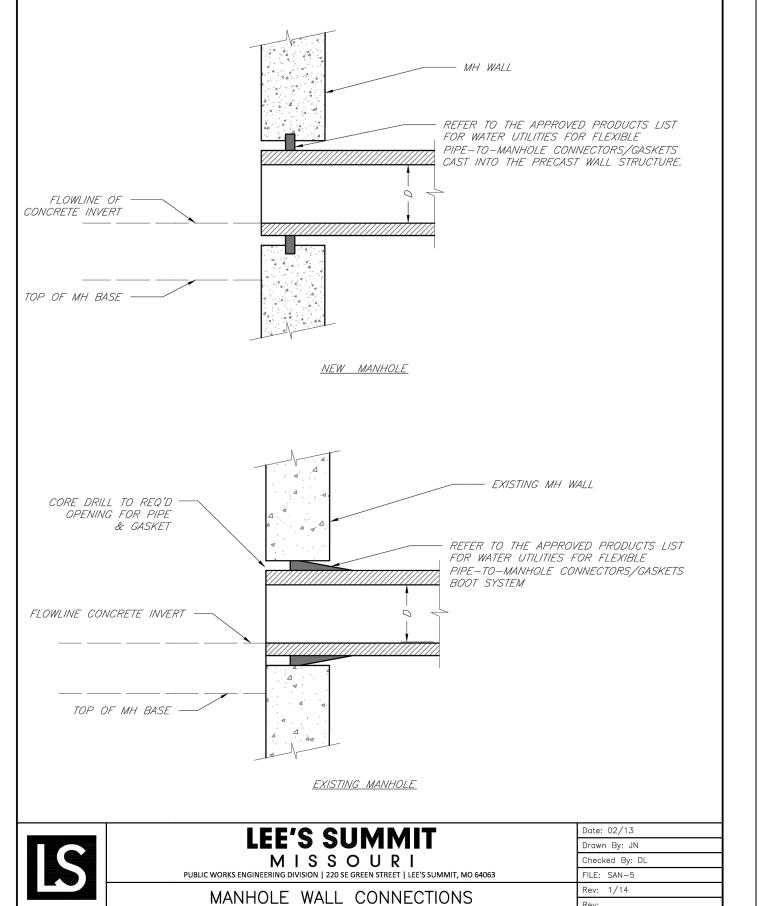
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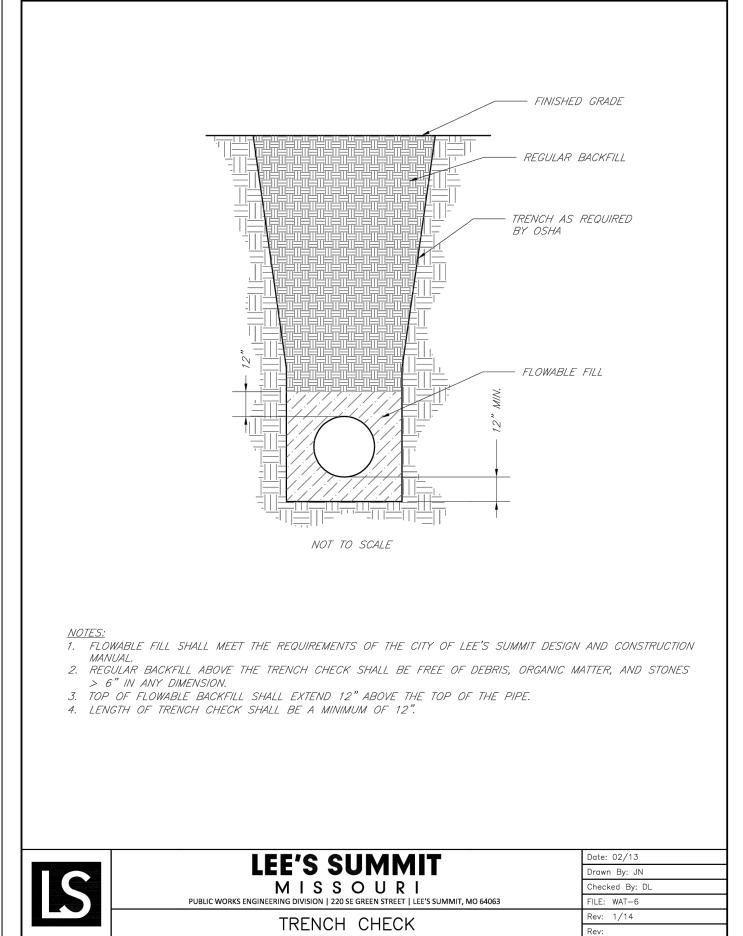
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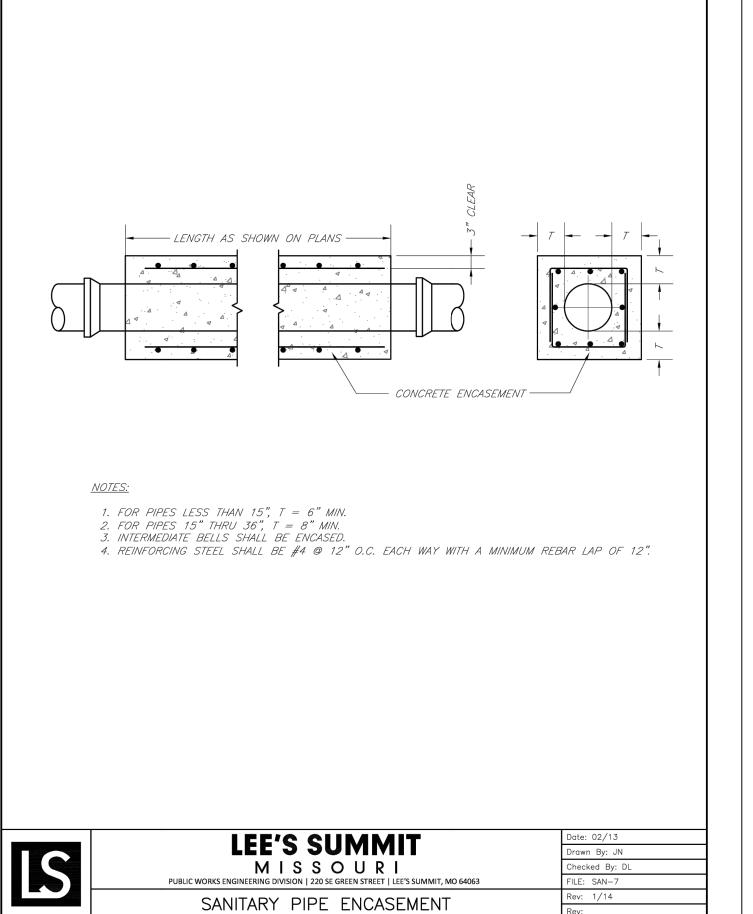
Date: 12/20/2024 Certified by: Matthew J. Schlicht Title: Engineer\_ Firm: Engineering Solutions

on information obtained by my firm.





SANITARY MANHOLE COVER DETAIL



**Record Drawing** 

C.702