

**ENGINEERING**  
ENGINEERING & SURVEYING  
**SOLUTIONS**

50 SE. 30TH STREET  
LEE'S SUMMIT, MO 64082  
PR(816) 623-9888 F(816) 623-9849

Professional Registration  
Missouri  
Engineering 200502196-D  
Surveying 2005008319-D  
Kansas  
Engineering E-1695  
Surveying LS-218  
Oklahoma  
Engineering 6254  
Nebraska  
Engineering CA2821

**SANITARY SEWERS:**

1. SANITARY SEWER PIPE SHALL BE POLY VINYL CHLORIDE (PVC), SDR-26, UNLESS NOTED OTHERWISE IN THESE PLANS.
2. 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.
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.

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.

## PROPERTY DESCRIPTION

All that part of the Northeast Quarter of Section 29 and that part of the Northwest Quarter of Section 28, all in Township 48, Range 31 in Lee's Summit, Jackson County, Missouri described as follows: commencing at the Southeast corner of said Northeast Quarter of Section 29; thence North 88 degrees 28 minutes 52 seconds West along the South line of said Quarter Section, a distance of 1257.71 feet; thence North 01 degrees 39 minutes 46 seconds East, a distance of 53.94 feet to the intersection of the Northeast line of said Quarter Section of Section 29 with the East line of said Quarter Section of Section 28; thence East 89 degrees 16 minutes 46 seconds East along the East right of way line of said First Road, a distance of 599.14 feet to the Southwest corner of RICE ACRES LOT 2, a subdivision of record; thence South 88 degrees 31 minutes 22 seconds East along the South line of said subdivision, a distance of 399.53 feet to the Southeast corner thereof; thence North 01 degrees 39 minutes 46 seconds East along the East line of said subdivision and also along the East line of RICE ACRES LOT 3 and TRACT A, a subdivision of record, a distance of 874.29 feet to the Northeast corner thereof; thence North 88 degrees 31 minutes 22 seconds West along the North line of said subdivision, a distance of 556.02 feet to a point on the East line of said Northeast Quarter of Section 29; said point also being on the West line of said Northeast Quarter of Section 28; thence South 88 degrees 31 minutes 14 seconds East, a distance of 349.15 feet; thence South 01 degrees 28 minutes 46 seconds West, a distance of 15.12 feet to a point on the edge of water of existing reservoir as located in the field on March 16, 2006; thence Southwesterly along the edge of water of said reservoir to a point on an East/West line described in Document No. 1239167 in Book 842 at Page 401 as being 603 feet Southerly of the Northwest corner of the Northeast Quarter of Section 29 of said Township 48, Range 31 in Lee's Summit, Jackson County, Missouri; thence North 87 degrees 21 minutes 18 seconds West along said line, a distance of 522.27 feet to a point on an extension of the East line of RICE ACRES LOT 1, a subdivision of record; thence South 01 degrees 22 minutes 59 seconds West along said extension, a distance of 214.14 feet to the Northeast corner of said subdivision; thence North 88 degrees 38 minutes 46 seconds West along the North line of said subdivision, a distance of 300.00 feet to the Northwest corner thereof; thence South 01 degrees 22 minutes 59 seconds West along the West line of said subdivision, a distance of 425.93 feet to the Southwest corner thereof; said point being on the East right of way of Colbern Road; thence North 88 degrees 38 minutes 46 seconds West along said right of way line, a distance of 499.89 feet to the point of beginning.

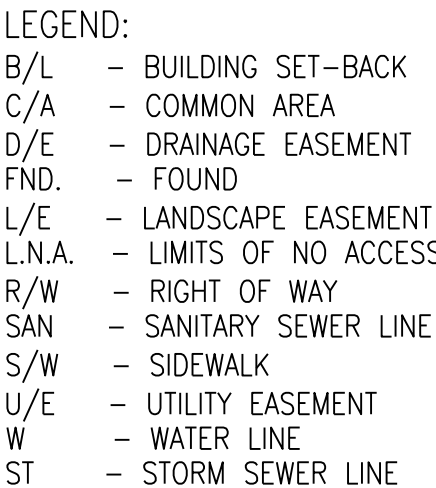
ACCORDING TO EDWARD ALTON MAY JR'S ENVIRONMENTAL IMPACT STUDY OF ABANDONED OIL AND GAS WELLS IN LEE'S SUMMIT, MISSOURI IN 1995, THERE ARE NOT OIL AND GAS WELLS WITHIN 185 FEET OF THE PROPERTY AS SURVEYED HEREON.

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 2017.



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



### 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 DETAILS

### Summary of Quantities:

ITEM AND DESCRIPTION	UNIT	ESTIMATED QUANTITY
<b>SANITARY</b>		
8" PVC SDR 26	LF	183.81
4" DIA Manhole	EA	1.00
CONNECTION TO EXISTING SANITARY SEWER	LS	1.00

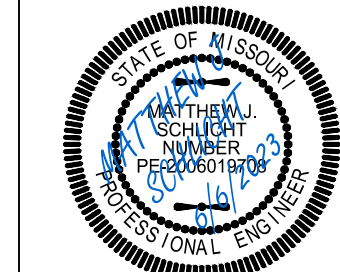
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Nebraska  
*Engineering CA2821*

Colbern Road Investments  
Lee's Summit, Jackson County, Missouri

Project:  
COLBERN ROAD  
INVESTMENTS LSMO

Issue Date:  
September 12, 2022

Cover Sheet  
Construction Plans for:  
Colbern Road Investments  
Lee's Summit, Jackson County, Missouri



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

REVISIONS

**REVISIONS**

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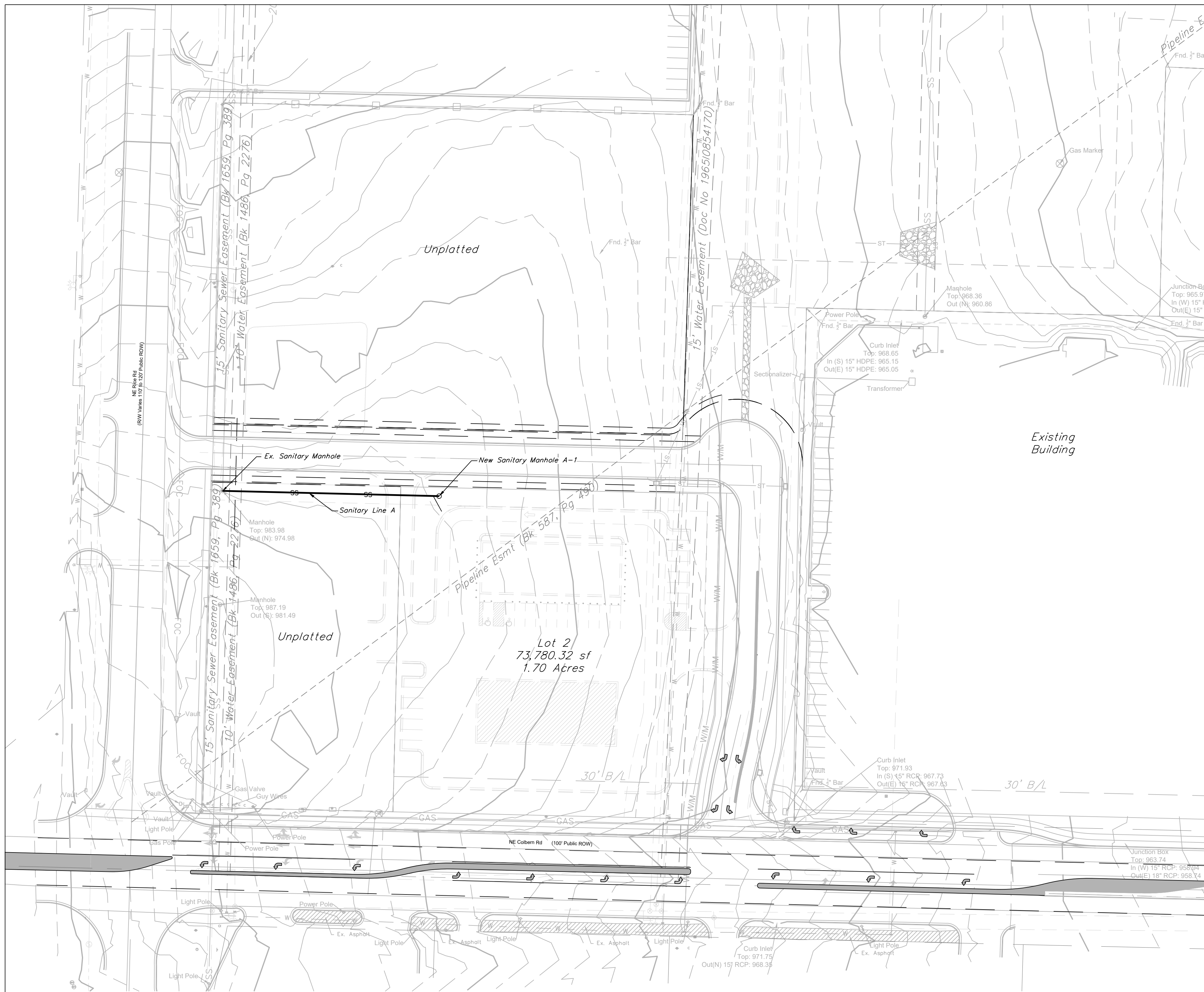
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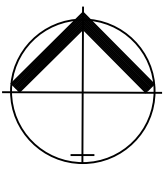


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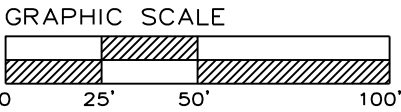
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North

GRAPHIC SCALE



0 25 50 100'

SANITARY SEWER GENERAL LAYOUT

SCALE: 1" = 50'

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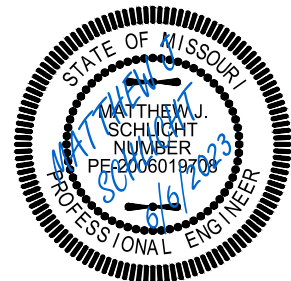
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Sanitary Sewer General Layout  
Construction Plans for:  
Colbern Road Investments  
Lee's Summit, Jackson County, Missouri

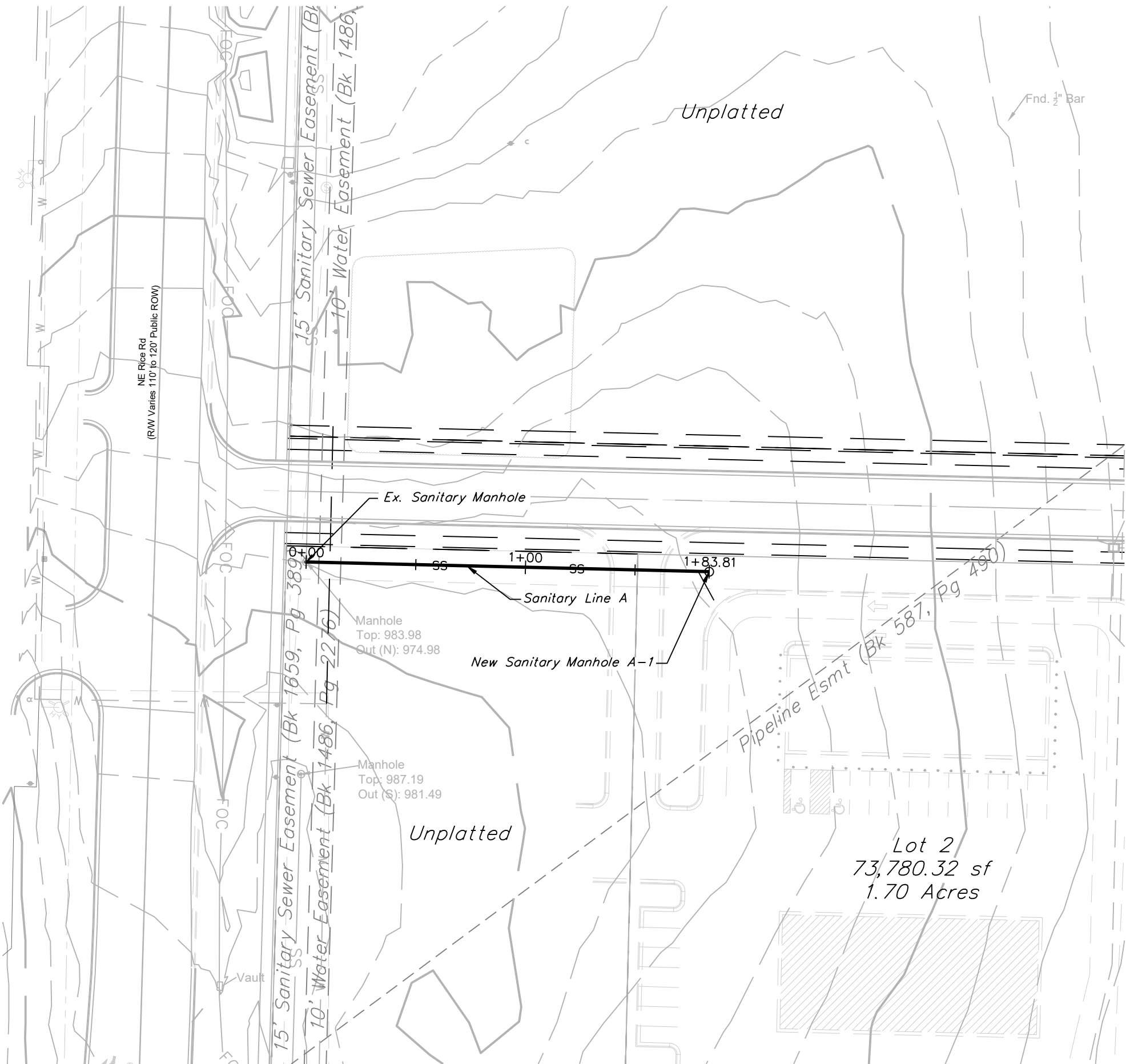
Project: COLBERN ROAD INVESTMENTS LEMO  
Issue Date: September 12, 2022

Sanitary Sewer General Layout  
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Lee's Summit, Jackson County, Missouri

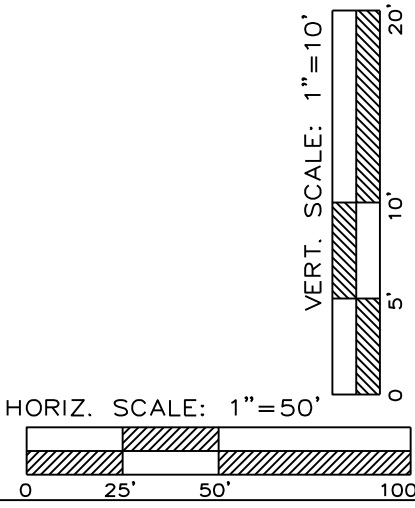
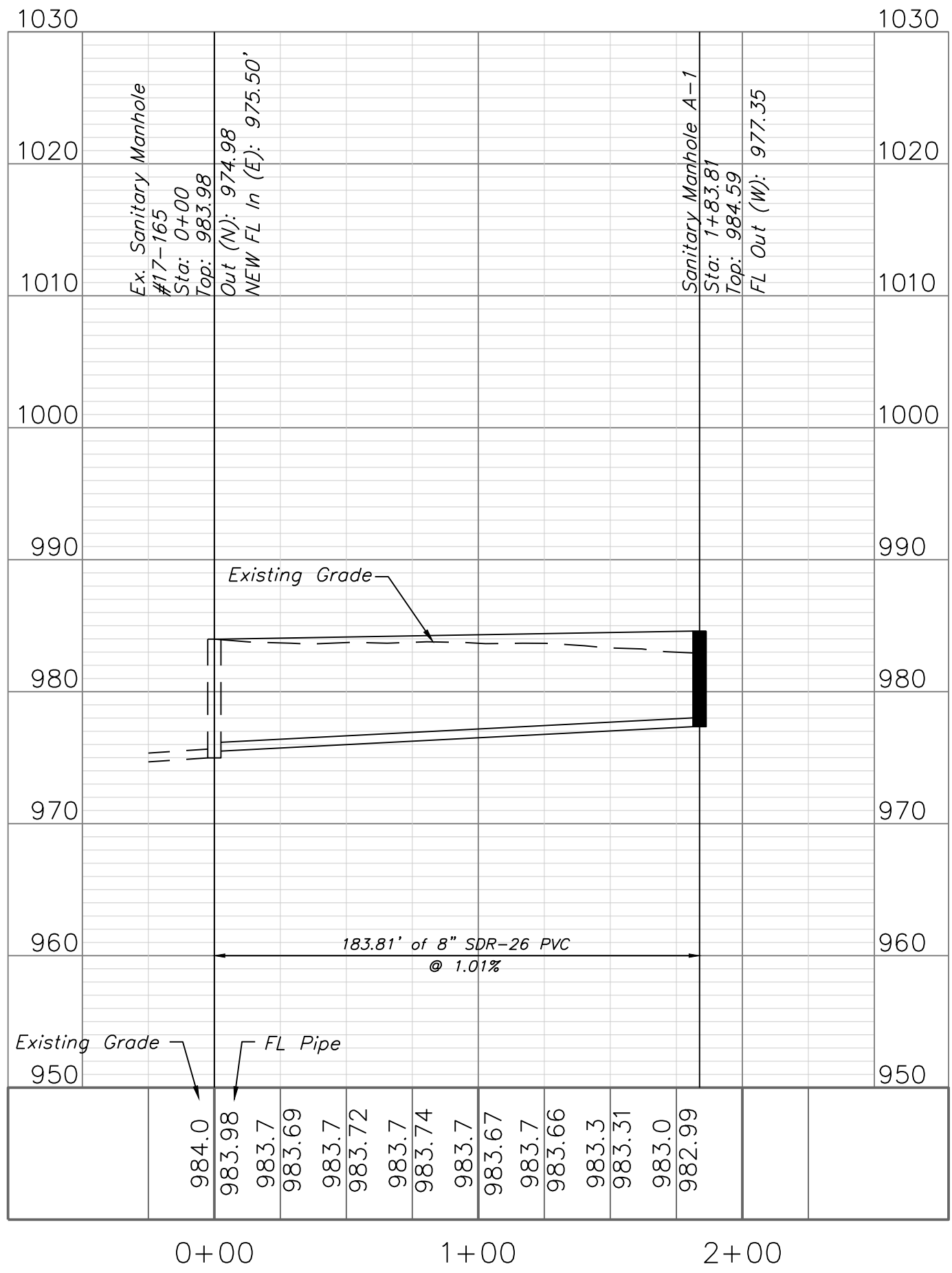


Matthew J. Schlicht  
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REVISIONS



SANITARY LINE A



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

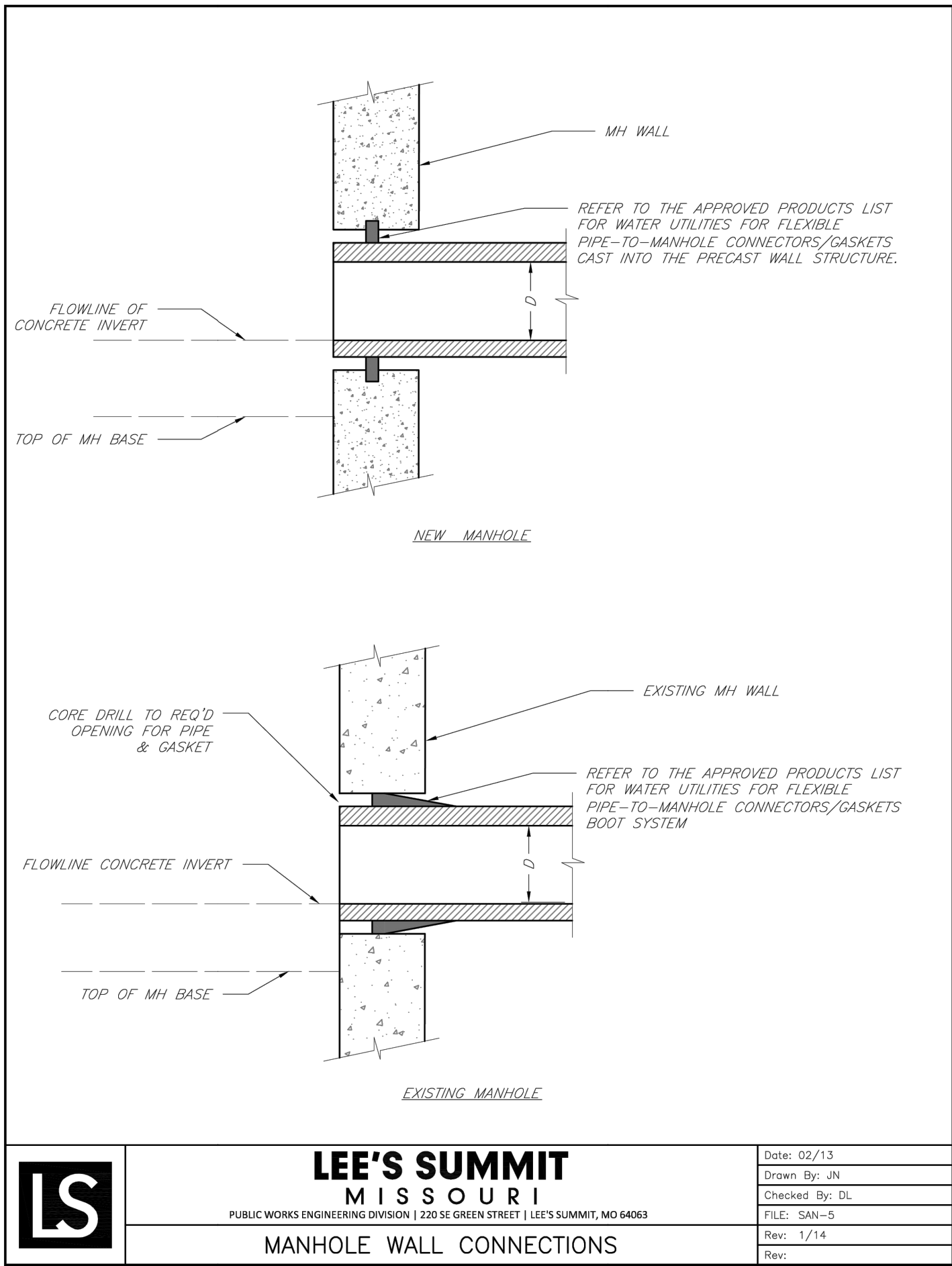
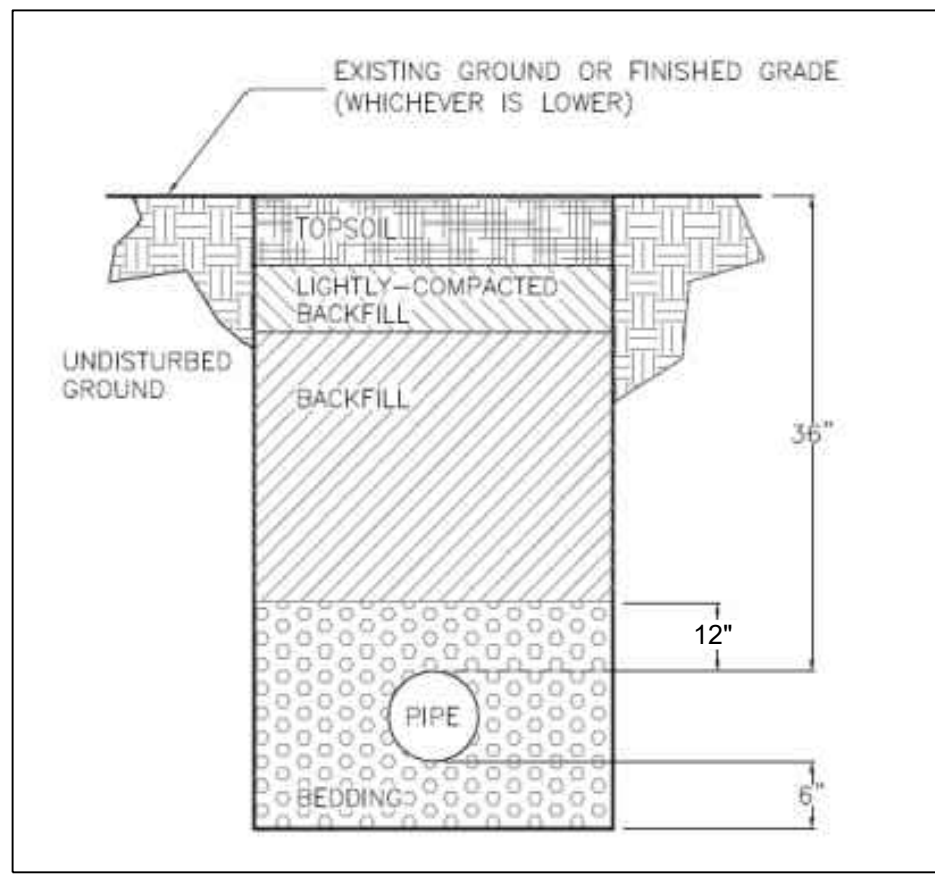
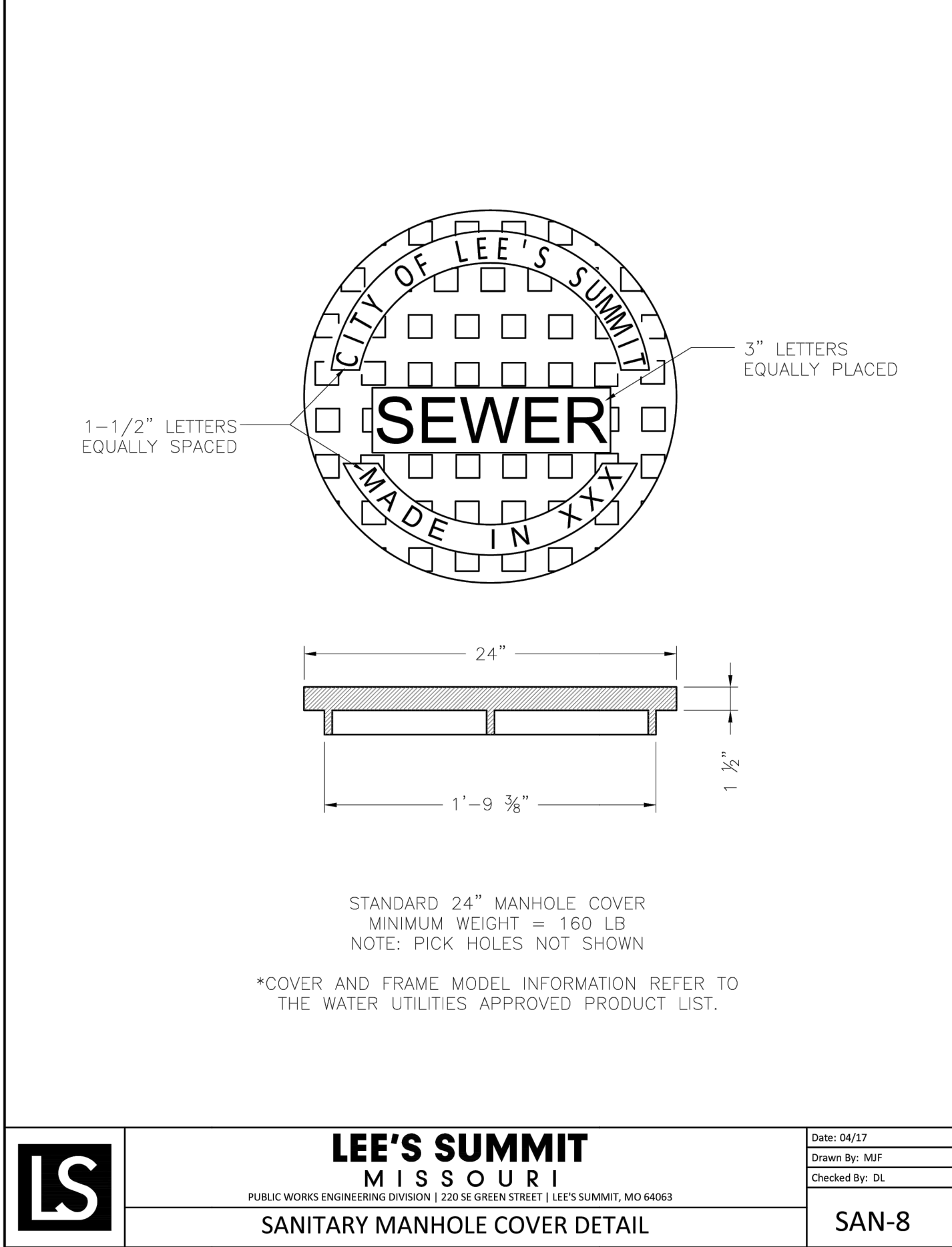
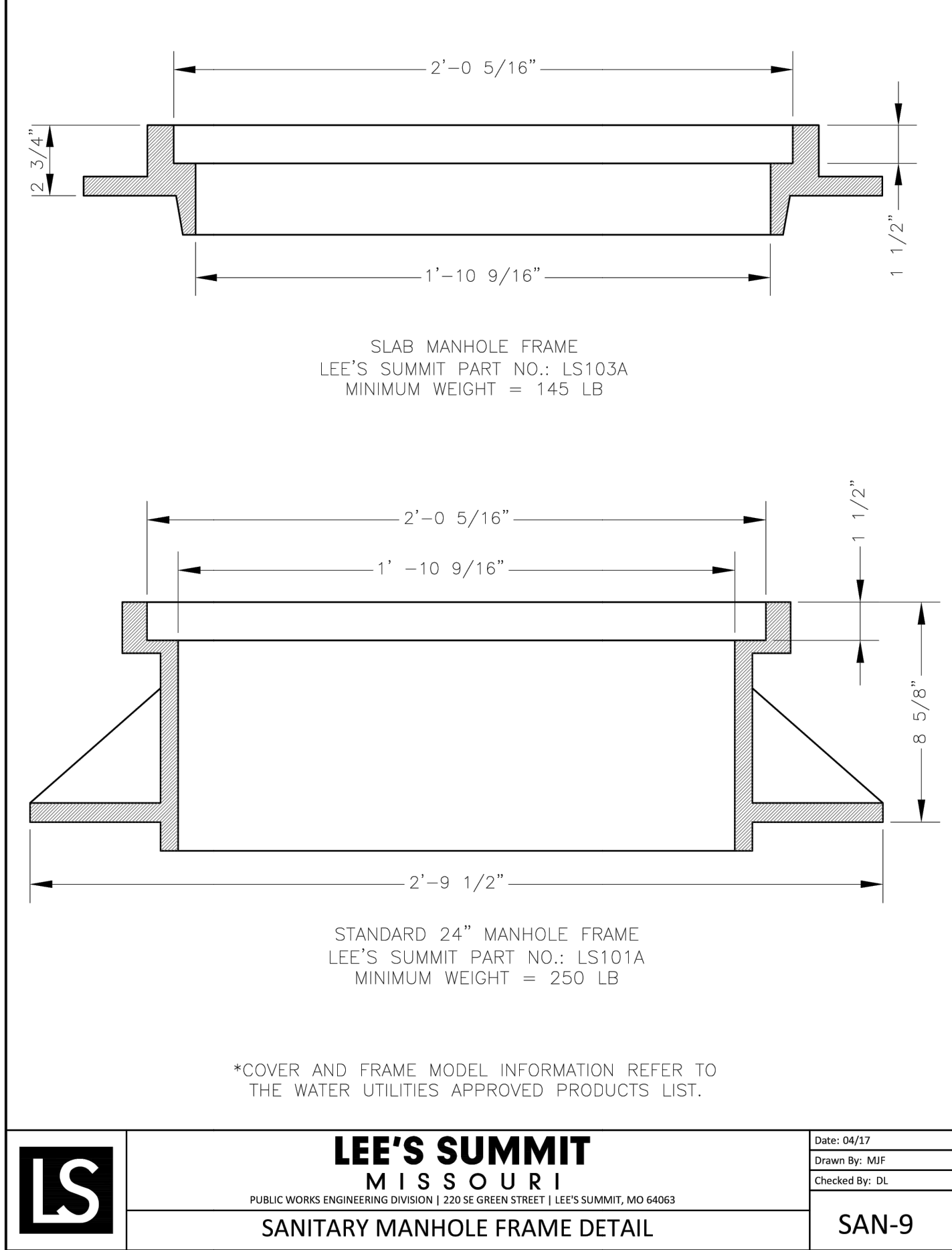
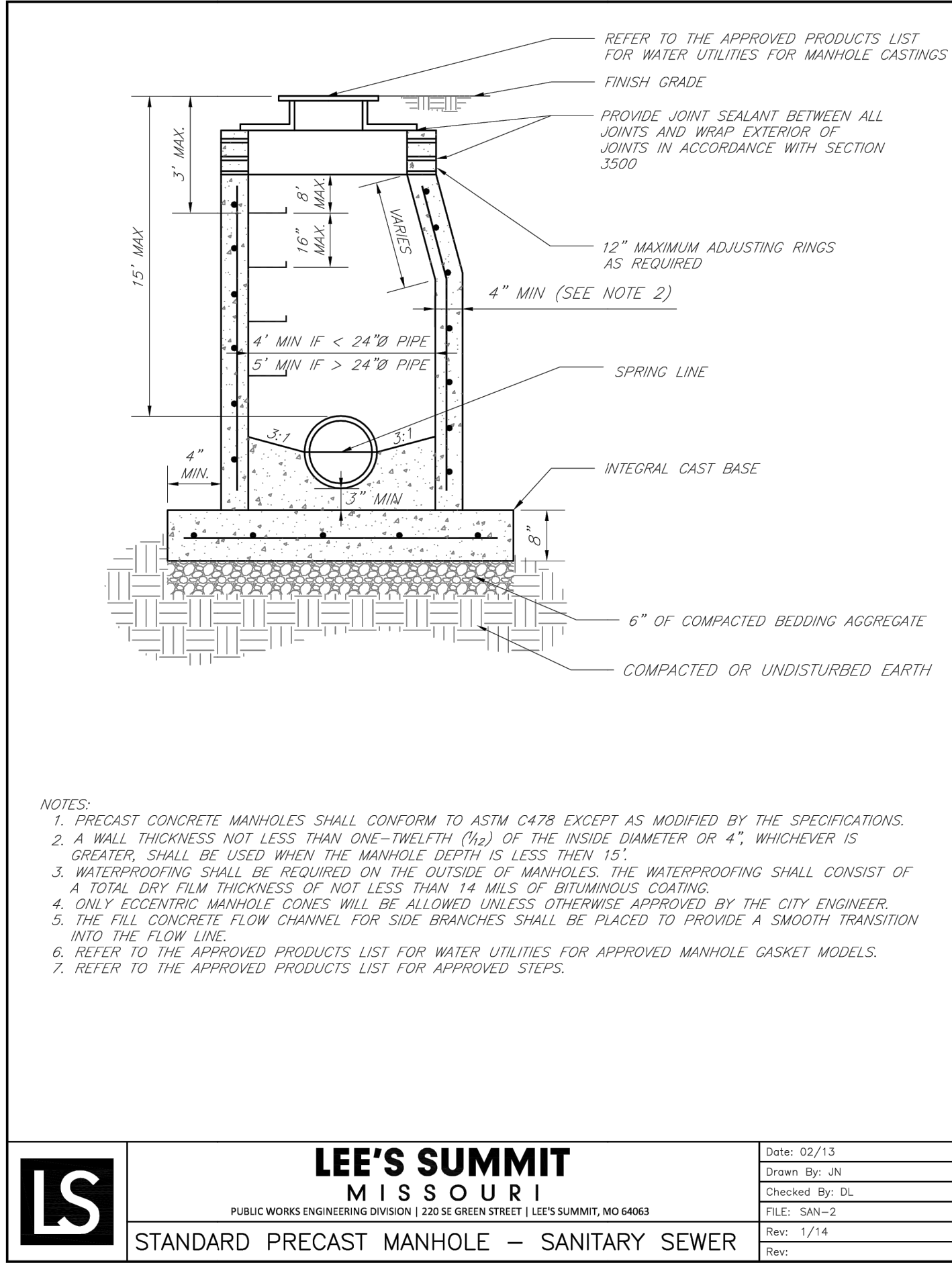
Project: COLBERN ROAD INVESTMENTS LIMO  
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Sanitary Plan and Profile  
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