SEC. 10, TWP. 47N, RNG. 32W

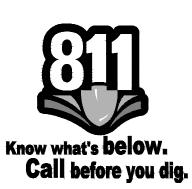
DATE: 3/10/2021

VICINITY MAP

SECTION 10, TOWNSHIP 47, RANGE 32 LEE'S SUMMIT, JACKSON COUNTY, MISSOURI NOT TO SCALE

LEGAL DESCRIPTION:

THE EAST HALF OF THE SOUTHEAST QUARTER OF PLAT, HIGHLANDS MEADOWS THIRD PLAT, HIGHLAND MEADOWS 4TH PLAT, SUBDIVISIONS IN LEE'S SUMMIT. JACKSON COUNTY, MISSOURI.





UTILITY CONTACTS:

SANITARY & WATER: CITY OF LEE'S SUMMIT JEFF THORN 220 SE GREEN STREET LEE'S SUMMIT, MO 64063 PHONE (816) 969-1900

<u>STREETS:</u> CITY OF LEE'S SUMMIT MICHAEL PARK 220 SE GREEN STREET LEE'S SUMMIT, MO 64063

PHONE (816) 969-1900

EVERGY: DOUG DAVIN 1300 SE HAMBLEN ROAD LEE'S SUMMIT, MO 64081 PHONE (816) 347-4320

RONALD GIPFERT 500 E 8TH STREET

MISSOURI GAS ENERGY: RICHARD FROCK 3025 SW CLOVER DRIVE LEE'S SUMMIT, MO 64082 PHONE (816) 472-3489

FEMA FLOOD INFORMATION:

THE SITE IS LOCATED IN ZONE X, AREA OF MINIMAL FLOOD HAZARD, PER FEMA FIRM MAP 29095C0418G: EFFECTIVE DATE OF JANUARY 20, 2017. NO LETTERS OF MAP AMENDMENT OR REVISIONS ARE BEING PROPOSED.

BENCHMARK:

BM #1 N=999843.9665 E=2898946.9717 ELEV=935.04 DESCRIPTION = "JA-148" REFERENCE SYSTEM MONUMENT

STORMWATER:

CITY OF LEE'S SUMMIT PUBLIC WORKS 220 SE GREEN STREET LEE'S SUMMIT, MO 64063 PHONE (816) 969-1800

KANSAS CITY, MO 64106 PHONE (816) 275-1550

GRS DISK SET IN CONCRETE FLUSH WITH THE GROUND AND STAMPED "JA-148, 2002" LOCATED ON THE NORTH SIDE OF 3RD STREET, 12.5 FEET NORTH OF A SIDEWALK AND 102.5 FEET WEST OF THE PARKING LOT EXIT OF CEDAR CREEK ELEMENTARY SCHOOL.

SURVEY CONTROL:

COORDINATES ARE BASED ON THE MISSOURI

STATE PLANE COORDINATE SYSTEM, WEST ZONE,

USING JACKSON COUNTY, MISSOURI, GEOGRAPHIC

REFERENCE SYSTEM MONUMENT JA-148 (2003

UTILIZING A GRID SCALE FACTOR OF 0.9999020

PROJECT ELEVATIONS ARE BASED ON JACKSON

SYSTEM MONUMENT JA-148 (2003 ADJUSTMENT).

COUNTY, MISSOURI, GEOGRAPHIC REFERENCE

"JA-148" - STANDARD KC METRO ALUMINUM

ADJUSTMENT) AND ARE MODIFIED FROM GRIS

COORDINATÉS TO GROUND COORDINATES BY

WATERSHED: LITTLE BLUE RIVER

AT REFERENCE MONUMENT JA-148.

GENERAL NOTES:

- CONTRACTOR SHALL SATISFY THEMSELVES AS TO THE EXISTING CONDITIONS OF THE SITE AND HAVE ALL UTILITIES MARKED PRIOR TO COMMENCING CONSTRUCTION.
- 2. CONTRACTOR SHALL POTHOLE ALL CONNECTION POINTS TO EXISTING UTILITIES AND POTENTIAL UTILITY CONFLICT LOCATIONS PRIOR TO ANY CONSTRUCTION ACTIVITIES. NOTIFY ENGINEER IMMEDIATELY IF CONFLICT OR DISCREPANCY EXISTS.
- 3. CONTRACTOR SHALL PROTECT EXISTING STRUCTURES TO REMAIN FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED / REPLACED TO PRE-CONSTRUCTION CONDITION AT CONTRACTOR'S EXPENSE.
- 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) 969-1200.

SHEET INDEX:

C103 — SANITARY SEWER C AND D PLAN & PROFILE C401 — SANITARY SEWER DETAILS

PROJECT SPECIFICATIONS:

THE SPECIFICATIONS FOR THIS PROJECT SHALL BE

MOST CURRENT VERSION OF THE DESIGN AND CONSTRUCTION MANUAL OF THE CITY OF LEE'S

THE STANDARD SPECIFICATIONS THROUGH AND INCLUDING THE LATEST AMENDMENTS SHALL BE PART OF THESE PROJECT DRAWINGS AND SPECIFICATIONS AND ARE INCORPORATED HEREIN BY REFERENCE. THE MORE STRINGENT OF THESE STANDARD SPECIFICATIONS AND THOSE PREPARED BY THE ENGINEER PREPARING THESE PLANS SHALL GOVERN.

OIL AND GAS WELL NOTES.

NO ABANDONED OIL OR GAS WELLS HAVE BEEN IDENTIFIED WITHIN THE PROPERTY LIMITS OF THE PROPOSED CONSTRUCTION ACTIVITIES, PER THE MISSOURI DEPARTMENT OF NATURAL RESOURCES (MDNR) PERMITTED OIL AND GAS DATABASE, DATED JUNE 2. 2020.

DISTURBED AREA: 15.3 AC

LOTS: 134-159 (26 TOTAL)

PREPARED & SUBMITTED BY:

ANDERSON ENGINEERING INC. KANSAS CITY, MISSOURI

ZACH MYERS, P.E.

CIVIL ENGINEER:

LEE'S SUMMIT, MO 64082

BRADLEY@SUMMITHOMESKC.COM

DEVELOPER:

SUMMIT HOMES KC

(816) 927-9711

120 SE 30TH STREET

BRAD KEMPF

ZACH MYERS ANDERSON ENGINEERING, INC. 941 W 141ST TERR KANSAS CITY, MO 64145 ZMYERS@ANDERSONENGINEERINGINC. COM (816) 380-4821

Title: Project Engineer Firm: Anderson Engineering Inc

by Kent Monter Reason: I am document Date: 2021.04.15

RELEASE FOR CONSTRUCTION AS NOTED ON PLANS REVIEW DEVELOPMENT SERVICES LEE'S SUMMIT, MISSOURI 04/15/2021

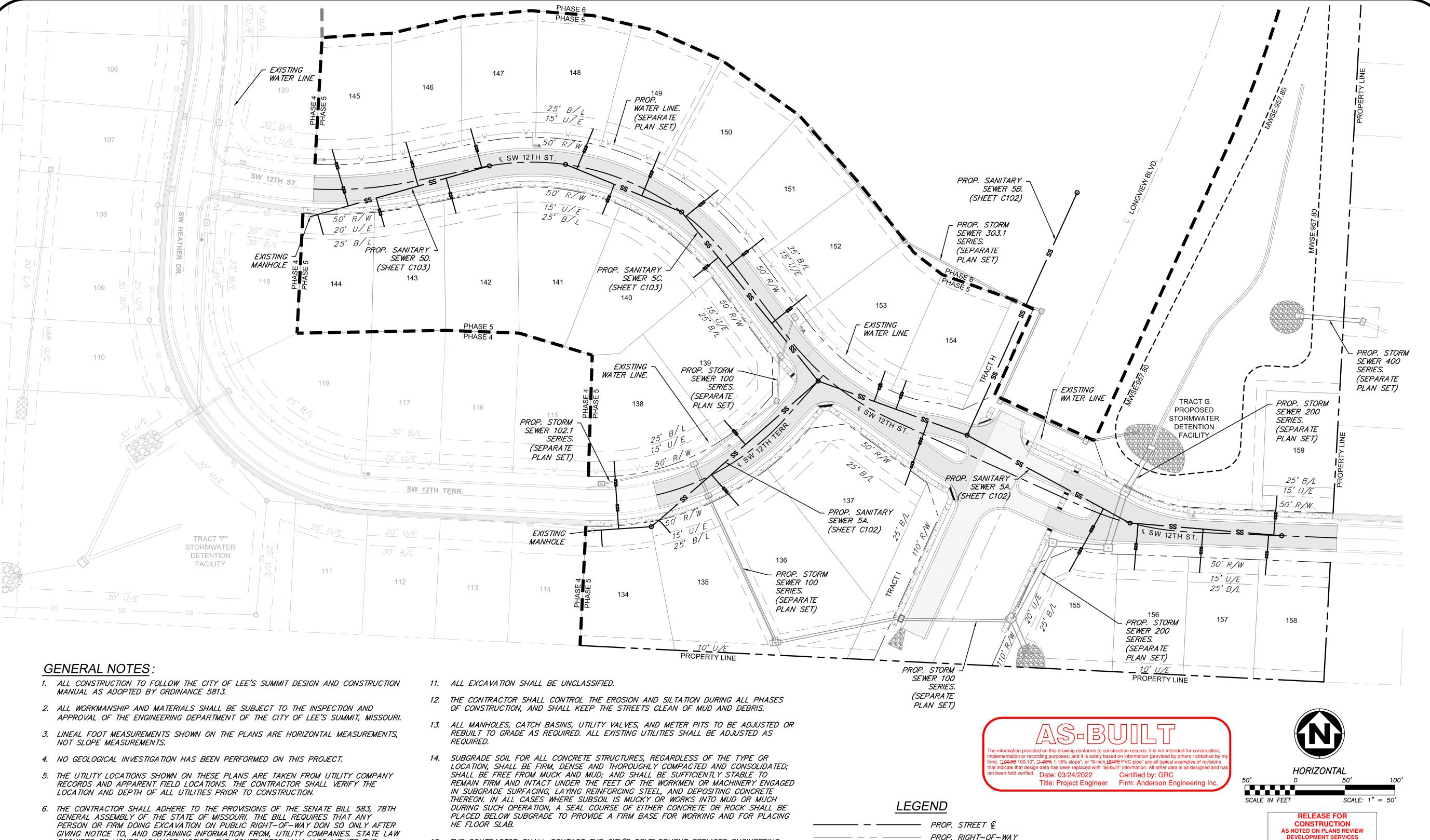
DATE

SH

SHEET NUMBER

Digitally signed Kent Monter approving this 20:42:11-05'00'

MISSOURI P.E. NO. 2012009232



ZACH A.

SHEET NUMBER

INSPECTION 48 HOURS PRIOR TO ANY LAND DISTURBANCE WORK AT (816) 969-1200.

16. THE CONTRACTOR SHALL CONTACT THE RIGHT-OF-WAY INSPECTOR AT 816-969-1800 PRIOR TO ANY LAND DISTURBANCE ACTIVITIES WITHIN THE RIGHT-OF-WAY. THESE ACTIVITIES MAY REQUIRE A PERMIT.

NECESSARY TO ENSURE THAT THE GENERAL PUBLIC IS PROTECTED AT ALL TIMES. TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL

19. ALL SANITARY SEWER LATERALS SHALL HAVE A TRENCH CHECK, CONSISTING OF A FLOWABLE BACKFILL, INSTALLED DURING CONSTRUCTION. TRENCH CHECK SHALL EXTEND TO BOTTOM OF TRENCH, TO WIDTH OF TRENCH TO 12 INCHES ABOVE PIPE, FOR A

PROP. RIGHT-OF-WAY PROP. UTILITY EASEMENT

PROP. BUILDING SETBACK PROP. LOT LINE PROP. WATER LINE — PROP. SSWR PROP. SSWR SERVICE

PROP. STREET PAVEMENT

PROP. LONGVIEW BLVD. PROP. SIDEWALK

PROP. RIPRAP

EXISTING SIDEWALK

COORDINATES ARE BASED ON THE MISSOURI STATE PLANE COORDINATE SYSTEM, WEST ZONE, USING JACKSON COUNTY, MISSOURI, GEOGRAPHIC REFERENCE SYSTEM MONUMENT JA-148 (2003 ADJUSTMENT) AND ARE MODIFIED FROM GRID COORDINATES TO GROUND COORDINATES BY UTILIZING A GRID SCALE FACTOR OF 0.9999020 AT REFERENCE MONUMENT JA-148.

PROJECT ELEVATIONS ARE BASED ON JACKSON COUNTY, MISSOURI, GEOGRAPHIC REFERENCE SYSTEM MONUMENT JA-148 (2003 ADJUSTMENT).

LEE'S SUMMIT, MISSOURI

04/15/2021

"JA-148"-STANDARD KC METRO ALUMINUM GRS DISK SET IN CONCRETE FLUSH WITH THE GROUND AND STAMPED "JA-148, 2002" LOCATED ON THE NORTH SIDE OF 3RD STREET, 12.5 FEET NORTH OF A SIDEWALK AND 102.5 FEET WEST OF THE PARKING LOT EXIT OF CEDAR CREEK ELEMENTARY SCHOOL.

PROJECT BENCHMARK(S) AND/OR CONTROL POINT(S)

BM #1 N=999843.9665 E=2898946.9717 ELEV=935.04 DESC="JA-148" REFERENCE SYSTEM MONUMENT

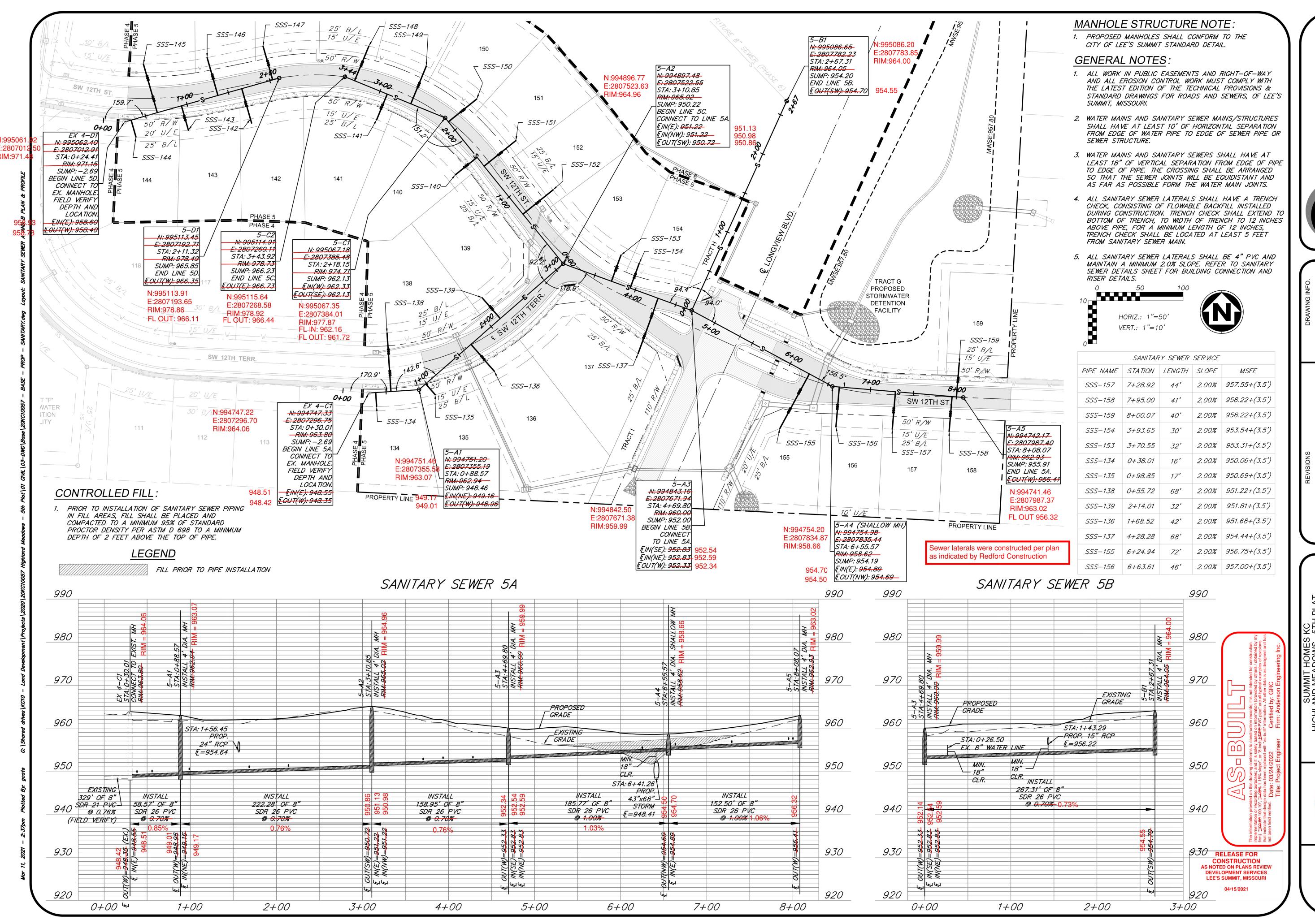
SURVEY CONTROL

- GIVING NOTICE TO, AND OBTAINING INFORMATION FROM, UTILITY COMPANIES. STATE LAW REQUIRES 72 HOURS ADVANCE NOTICE. THE CONTRACTOR MAY ALSO UTILIZE THE FOLLOWING TOLL FREE PHONE NUMBER PROVIDED BY "MISSOURI ONE CALL SYSTEM, INC.": 1-(800)-DIG RITE OR 811. THIS PHONE NUMBER IS APPLICABLE ANYWHERE WITHIN THE STATE OF MISSOURI. PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL NOTIFY ALL THOSE COMPANIES WHICH HAVE FACILITIES IN THE NEAR VICINITY OF THE CONSTRUCTION TO BE PERFORMED.
- 7. PRIOR TO ORDERING PRECAST STRUCTURES, SHOP DRAWINGS SHALL BE SUBMITTED TO THE DESIGN ENGINEER FOR APPROVAL.
- 8. THE CONTRACTOR SHALL PROTECT ALL MAJOR TREES FROM DAMAGE. NO TREE SHALL BE REMOVED WITHOUT PERMISSION OF THE OWNER, UNLESS SHOWN OTHERWISE.
- 9. CLEARING AND GRUBBING OPERATIONS AND DISPOSAL OF ALL DEBRIS THEREFROM SHALL BE PERFORMED BY THE CONTRACTOR IN STRICT ACCORDANCE WITH ALL LOCAL CODES AND ORDNANCES.
- 10. ALL WASTE MATERIAL RESULTING FROM THE PROJECT SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR, OR AS DIRECTED BY THE OWNER.

15. THE CONTRACTOR SHALL CONTACT THE CITY'S DEVELOPMENT SERVICES ENGINEERING

17. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL TRAFFIC HANDLING MEASURES DEVICES (MUTCD - LATEST EDITION).

MINIMUM LENGTH OF 12 INCHES, TRENCH CHECK SHALL BE LOCATED AT LEAST 5 FEET FROM SANITARY MAIN.



NO. DESCRIPTION BY

1. REVISED PER CITY COMMENTS GC

2. REVISED PER CITY COMMENTS GC

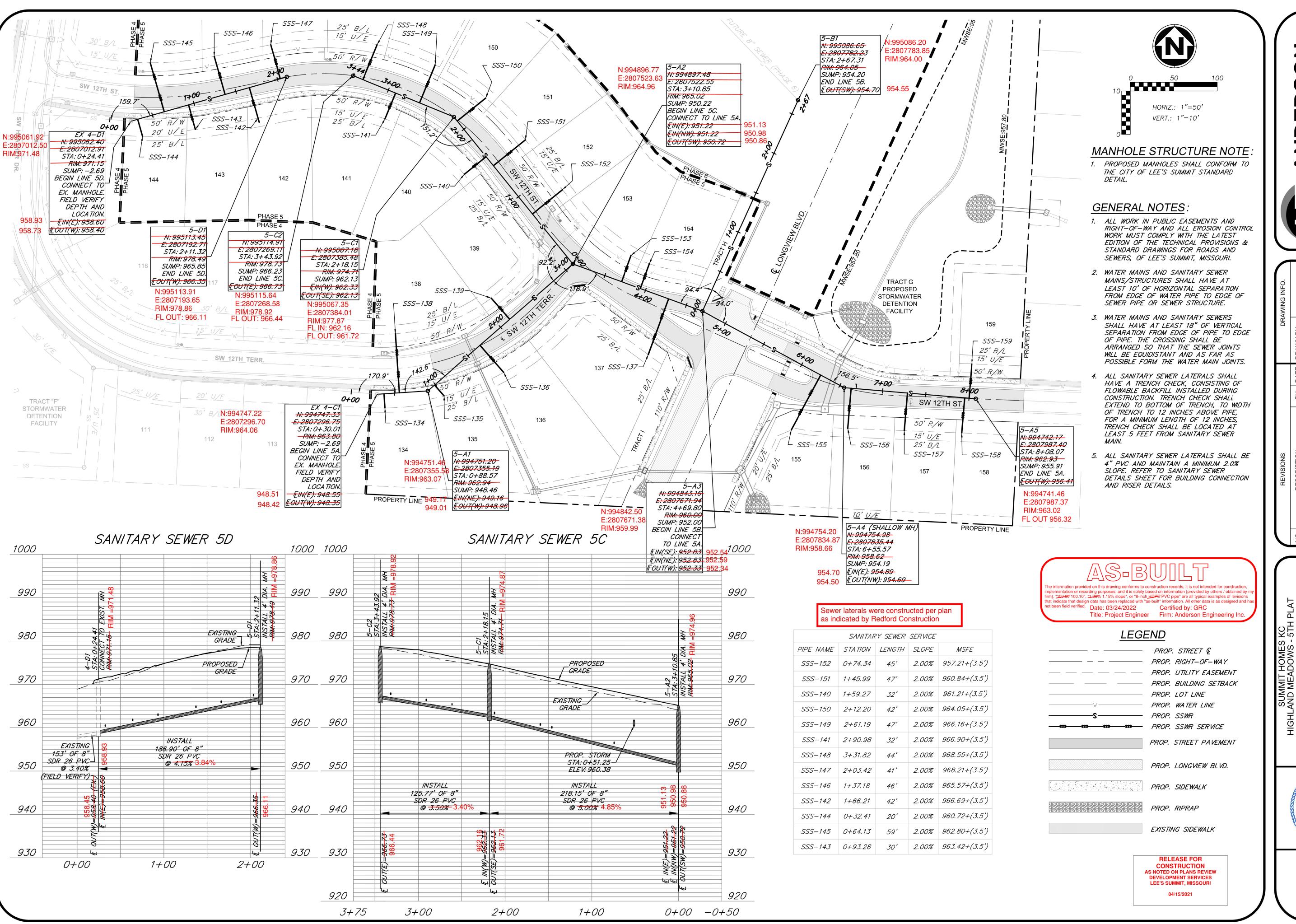
4. AS-BUILT DRAWINGS GC

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ARY SEWER A AND B LAN & PROFILE

SOUTH OF MISSOUTH AND SOUTH OF MISSOUTH OF

C102
3 of 5



GINEERING
OYEE OWNED
LABORATORIES - DRILLING

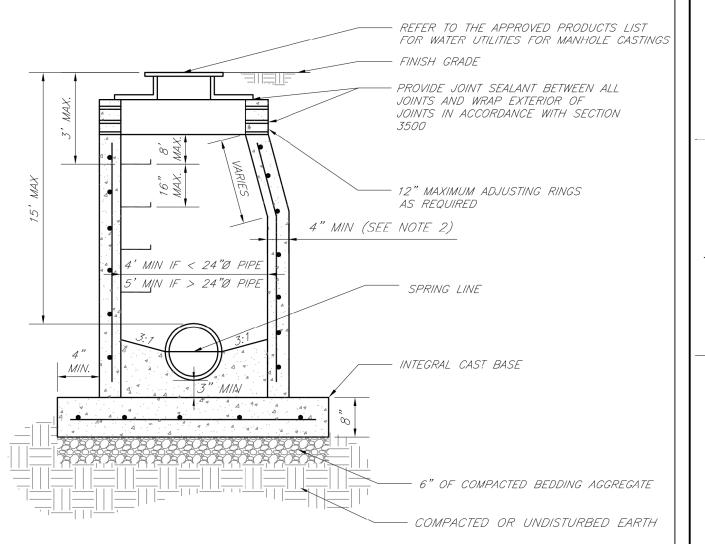
	REVISIONS			20	DRAWING INTO.
NO.	DESCRIPTION	ВҮ	DATE	BY DATE DRAWN BY:	29
1.	REVISED PER CITY COMMENTS	CC	1/15/21	GC 1/15/21 CHECK BY:	ZM
2.	REVISED PER CITY COMMENTS	GC	2/26/21	GC 2/26/21 LICENSE NO.	PE-2012009232
				DATE:	12/2/2020
4.	AS-BUILT DRAWINGS	GC	3/24/22	GC 3/24/22 ISSUED FOR:	FOR REVIEW
				JOB NUMBER:	20KC10057
	© COPYRIGHT ANDERSON ENGINEERING, INC. 2020	2020		MO COA NO.	000062

TARY SEWER C AN PLAN & PROFILE

PLAN & P



C103
4 of 5



- 1. PRECAST CONCRETE MANHOLES SHALL CONFORM TO ASTM C478 EXCEPT AS MODIFIED BY THE SPECIFICATIONS. 2. A WALL THICKNESS NOT LESS THAN ONE—TWELFTH $(rac{1}{2})$ OF THE INSIDE DIAMETER OR 4", WHICHEVER IS
- GREATER, SHALL BE USED WHEN THE MANHOLE DEPTH IS LESS THEN 15'. 3. WATERPROOFING SHALL BE REQUIRED ON THE OUTSIDE OF MANHOLES. THE WATERPROOFING SHALL CONSIST OF
- A TOTAL DRY FILM THICKNESS OF NOT LESS THAN 14 MILS OF BITUMINOUS COATING.

 4. ONLY ECCENTRIC MANHOLE CONES WILL BE ALLOWED UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. 5. THE FILL CONCRETE FLOW CHANNEL FOR SIDE BRANCHES SHALL BE PLACED TO PROVIDE A SMOOTH TRANSITION
- 6. REFER TO THE APPROVED PRODUCTS LIST FOR WATER UTILITIES FOR APPROVED MANHOLE GASKET MODELS. 7. REFER TO THE APPROVED PRODUCTS LIST FOR APPROVED STEPS.

LEE'S SUMMIT

MISSOURI

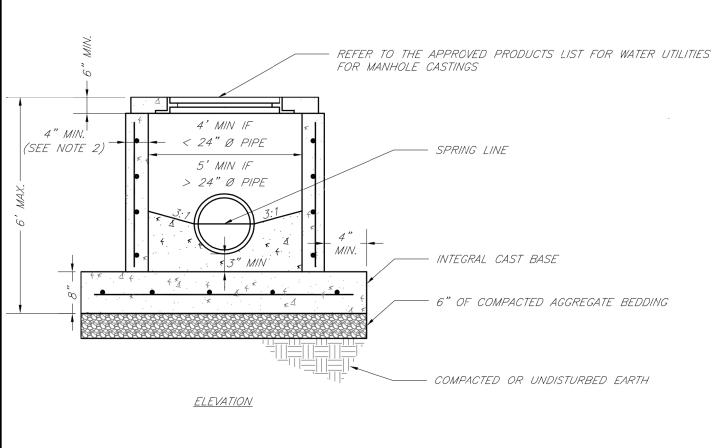
PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

STANDARD PRECAST MANHOLE - SANITARY SEWER

TRENCH CHECK -

1-1/8 (45°) BEND -

TRACER WIRE -





PROPERTY LINE OR

WATERTIGHT CAP

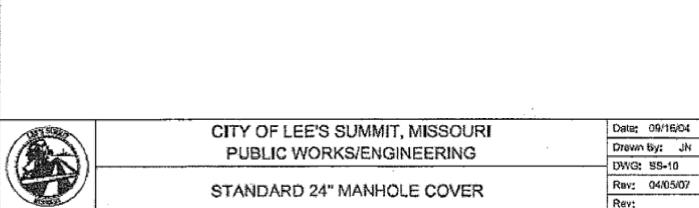
TRACER BOX

WITH GREEN CAP

10' FROM MAIN

- 1. PRECAST CONCRETE MANHOLES SHALL CONFORM TO ASTM C478 EXCEPT AS MODIFIED BY THE SPECIFICATIONS. 2. A WALL THICKNESS NOT LESS THAN ONE—TWELFTH (1/12) OF THE INSIDE DIAMETER OR 4", WHICHEVER IS
- 3. WATERPROOFING SHALL BE REQUIRED ON THE OUTSIDE OF MANHOLES. THE WATERPROOFING SHALL CONSIST OF A TOTAL DRY FILM THICKNESS OF NOT LESS THEN 14 MILS OF BITUMINOUS COATING.
- 4. THE FILL CONCRETE FLOW CHANNEL FOR SIDE BRANCHES SHALL BE PLACED TO PROVIDE A SMOOTH TRANSITION
- 5. REFER TO THE APPROVED PRODUCTS LIST FOR WATER UTILITIES FOR MANHOLE GASKET MODELS. 6. PROVIDE STEPS AS SHOWN ON THE APPROVED PRODUCTS LIST FOR MANHOLE DEPTHS GREATER THAN 4'.

	LEE'S SUMMIT	Date: 02/13
S	FEE 9 90 MIMILI	Drawn By: JN
	MISSOURI	Checked By: DL
	PUBLIC WORKS ENGINEERING DIVISION 220 SE GREEN STREET LEE'S SUMMIT, MO 64063	FILE: SAN-3
	SHALLOW PRECAST MANHOLE - SANITARY SEWER	Rev: 1/14
		Rev:
		_



Standard 24" Manhole Cover

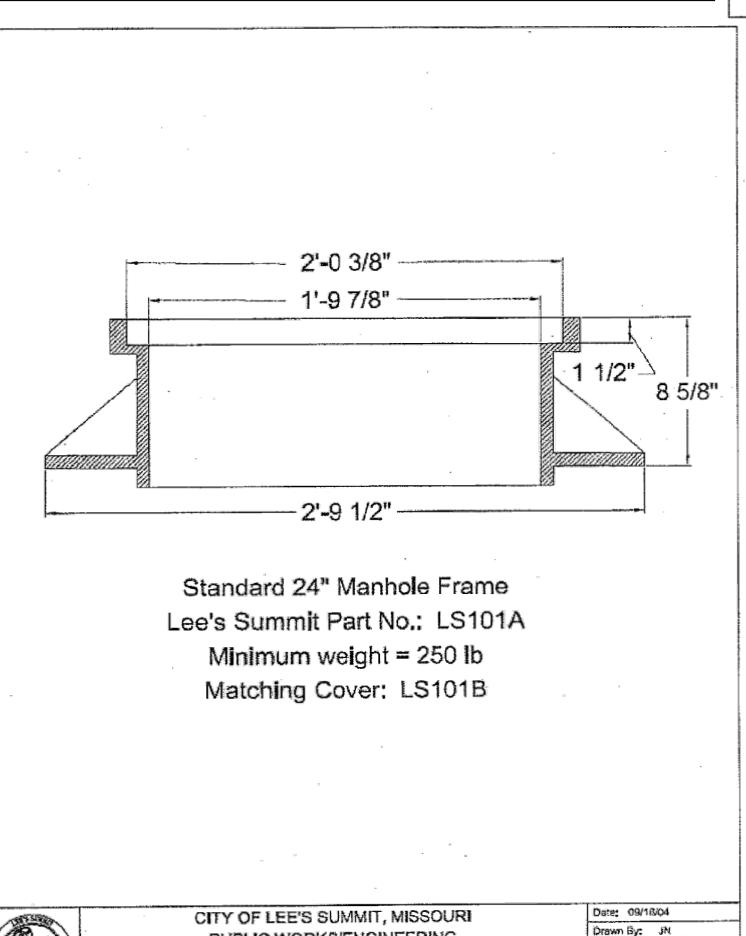
Lee's Summit Part No.: LS101B

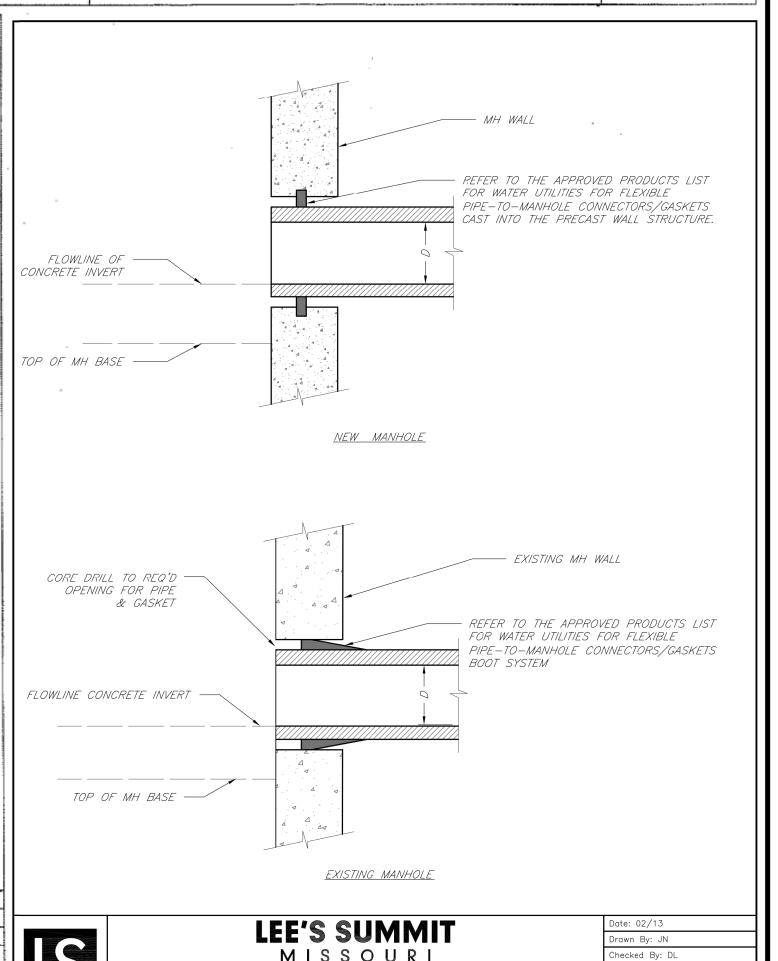
Minimum weight = 160 lb

Matching Frame: LS101A

Note: Pick holes not shown.

1-1/2" letters equally spaced







CONSTRUCTION **AS NOTED ON PLANS REVIEW** LEE'S SUMMIT, MISSOURI 04/15/2021

-3" letters equally spaced

1/2"-3/4" CLEAN AGGREGATE, HAND TAMPED OR MECHANICALLY COMPACTED IN MAX. 4" LIFTS

<u>INITIAL BACKFILL</u> -UNDER PAVED AREAS OR WITHIN 4' HORIZONTAL OF PAVED AREAS

1/2"-3/4" CLEAN AGGREGATE, HAND TAMPED OR MECHANICALLY COMPACTED IN MAX. 4" LIFTS -UNDER OPEN AREAS

1/2"-3/4" CLEAN AGGREGATE, HAND TAMPED OR MECHANICALLY COMPACTED IN MAX. 4" LIFTS FINAL BACKFILL

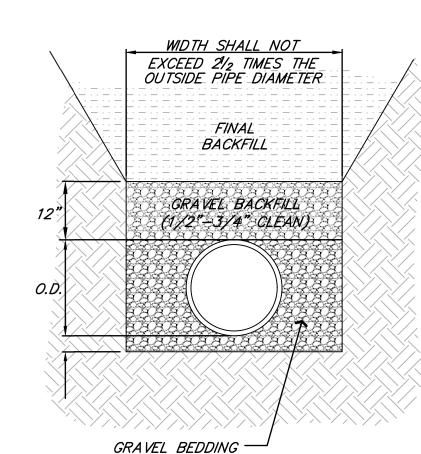
-UNDER PAVED AREAS OR WITHIN 4' HORIZONTAL

OF PAVED AREAS ON-SITE OR IMPORTED MATERIAL FREE OF MUCK, FROZEN MATERIAL, EXCESS MOISTURE, ORGANICS. TOPSOIL. RUBBISH. CONSTRUCTION DEBRIS. ROCK OR BRICK LARGER THAN 8", COMPACTED TO 95% OF

STANDARD DENSITY PER ASTM D-698 -UNDER OPEN AREAS ON-SITE OR IMPORTED MATERIAL FREE OF MUCK, FROZEN MATERIAL, EXCESS MOISTURE, ORGANICS, TOPSOIL, RUBBISH, CONSTRUCTION DEBRIS, ROCK OR BRICK LARGER THAN 8", COMPACTED TO 90% OF

BEDDING DEPTH BELOW PIPE IN SOIL IN ROCK PIPE DIAMETER 24" AND LESS 6" 27" THRU 60" 4" 9"

STANDARD DENSITY PER ASTM D-698

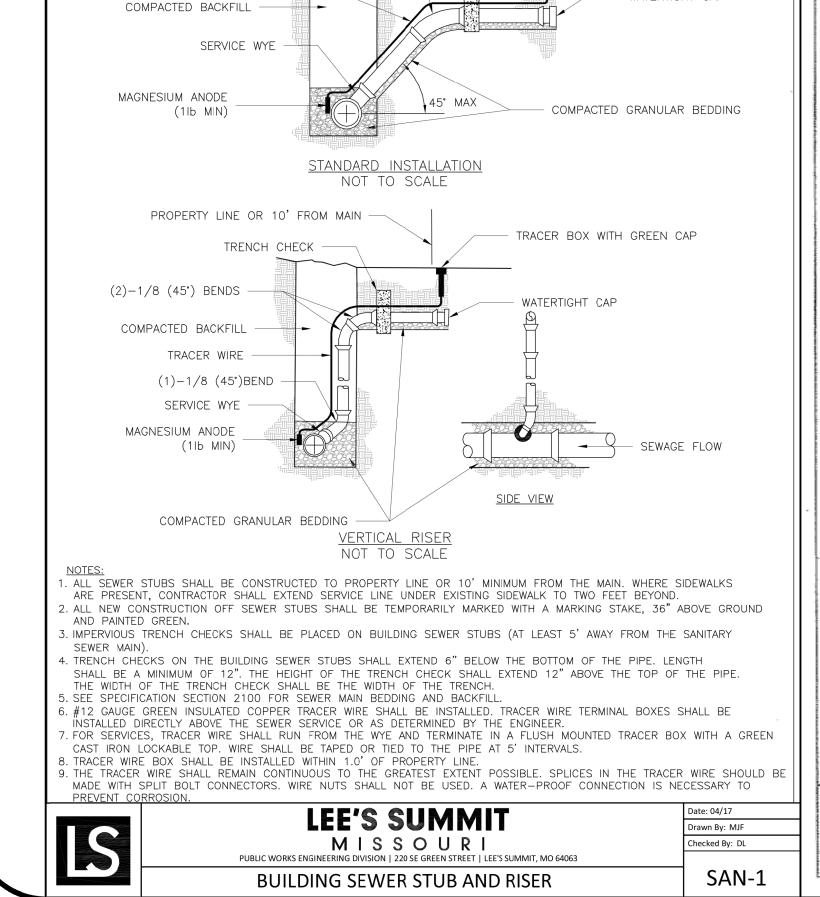


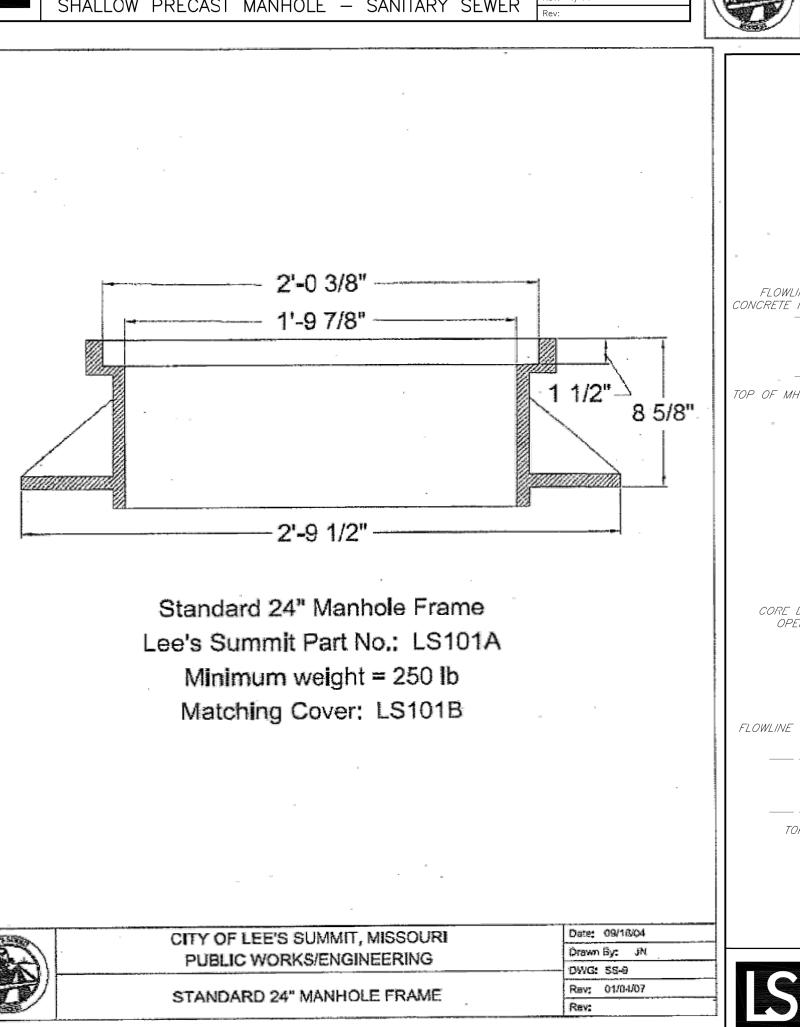
(1/2"-3/4" CLEAN) PIPE BEDDING DETAIL

NOT TO SCALE



SHEET NUMBER





MISSOURI MANHOLE WALL CONNECTIONS