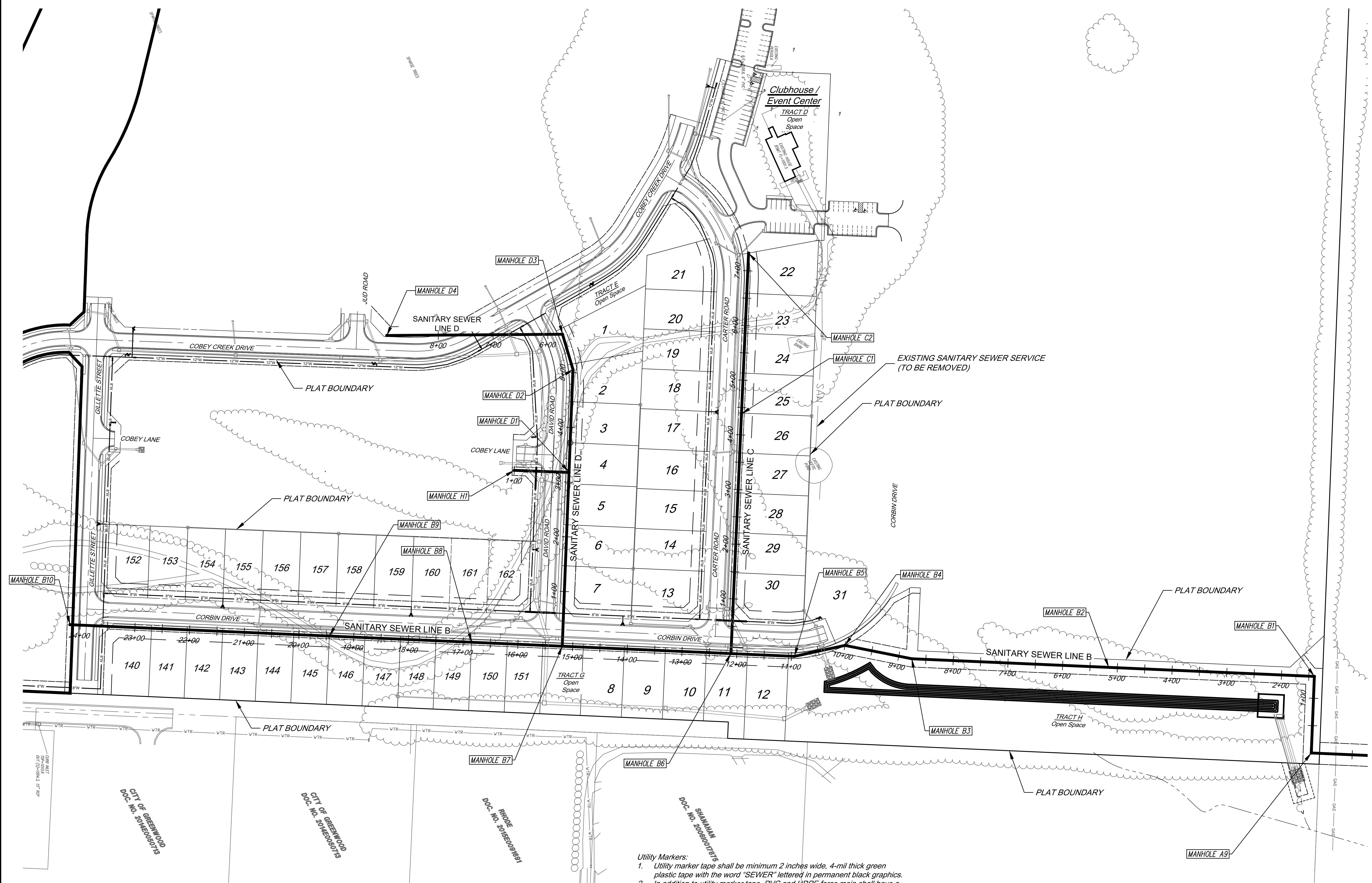
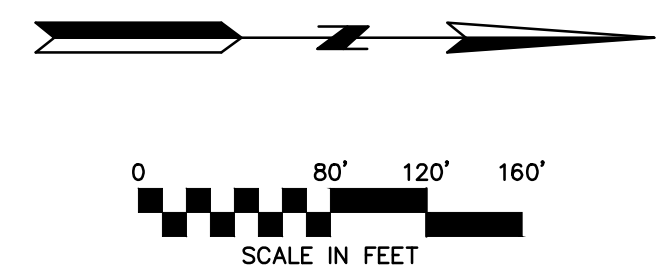




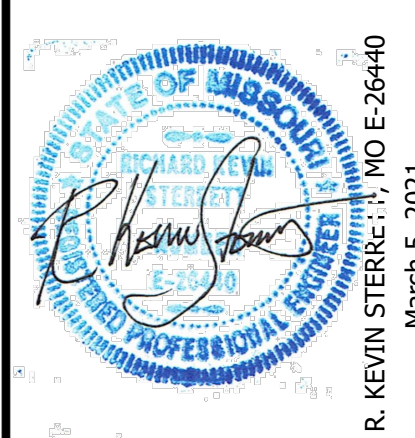
- Utility Markers:
- Utility marker tape shall be minimum 2 inches wide, 4-mil thick green plastic tape with the word "SEWER" lettered in permanent black graphics.
 - In addition to utility marker tape, PVC and HDPE force main shall have a tracer wire installed along the top of the pipe. The wire shall be insulated, no smaller than 12 gauge, and for underground applications.
 - Splices in wiring shall be made with epoxy/silicon splice connector.
 - Tracer wire shall be installed along the top of service laterals. The wire shall have HDPE insulation, be no smaller than 12 gauge, and intended for underground applications. The tracer wire shall be green in color. Tracer wires shall terminate at 3500 11 Rev 01/06/16 the ground surface inside a tracer box. Tracer box lids shall be green in color. Tracer wire shall be grounded to a minimum one pound magnesium anode at the sewer line.



AS-BUILT
03/5/21



DATE	REVISION	NO.	BY	CHK/APR
03/05/21	16-059 B	5	SPW	PKS
09/08/20	REVISED SANITARY LATERAL TABLES	4	SPW	PKS
04/07/19	SHOW STREET CROSSINGS AND ADD ENCLOSURE	3	SPW	PKS
02/20/19	PER CITY COMMENTS	2	SPW	PKS
02/08/19	PER CITY COMMENTS	1	SPW	PKS
01/21/18	PER CITY COMMENTS	1	SPW	PKS
11/21/18	QUANTIFY TO CITY OF LEE'S SUMMIT	1	SPW	PKS

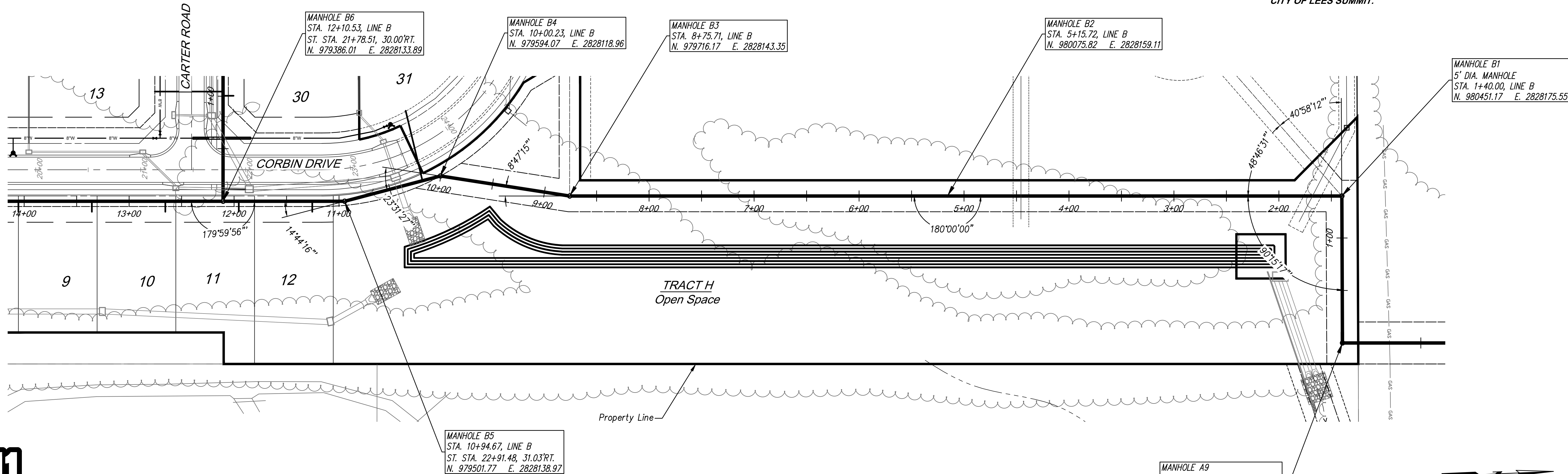


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engineers planners
11010 Haskell Street, Suite 210, Kansas City, Kansas 66109
CORPORATE LICENSE No. E20100573 (MO.) / E-1726 (KS.)

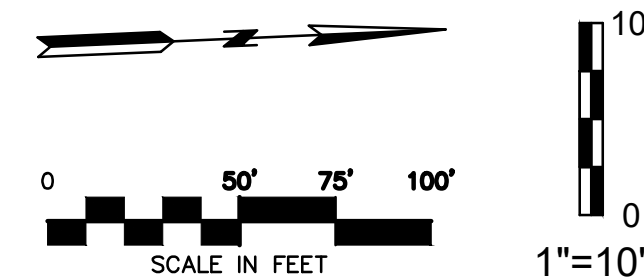
SANITARY SEWER MAIN EXTENSION GENERAL UTILITY LAYOUT	
COBEY CREEK FIRST PLAT	
LEE'S SUMMIT - JACKSON COUNTY - MISSOURI	
X-REF NO. 16-059 Base	
DRAWING NO. 16-059 Phase I Sanitary	
DATE September 8, 2020	
JOB NO. 16-059	
2 OF 11	



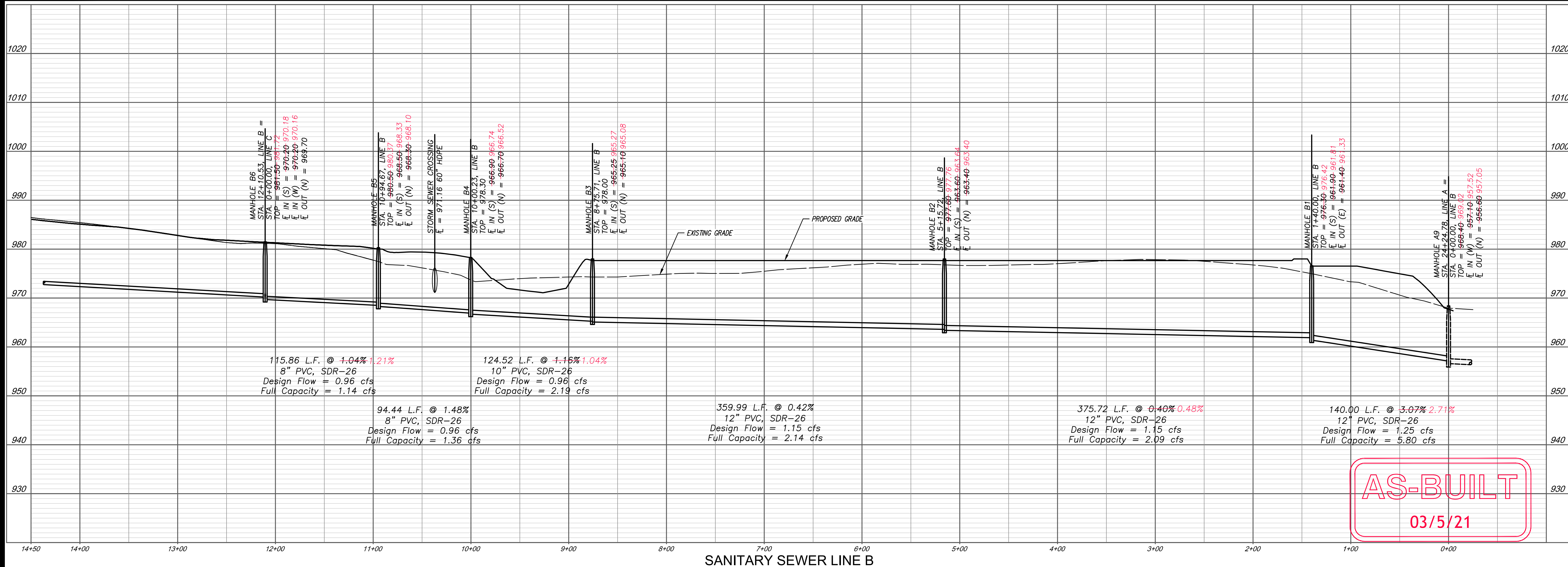
Know what's below.
Call before you dig.



NOTE:
TRENCH CHECKS WILL BE INSTALLED PER THE LEES
SUMMIT STANDARD DETAIL SHOWN ON SHEET 10.

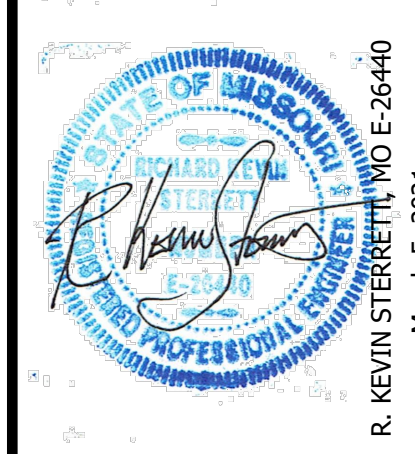


NOTE:
ALL FUTURE MANHOLE CONNECTIONS SHALL BE CORED
DRILLED. STUB-OFFS ARE SPECIFICALLY PROHIBITED IN THE
CITY OF LEES SUMMIT.



AS-BUILT
03/5/21

DATE	REVISION	NO.	BY	CHKD.
02/05/21	AS-BUILT	4	SPW	RKS
04/16/19	STORM SEWER CROSSINGS AND AID ENCLOSURE	3	SPW	RKS
02/20/19	PER CITY'S COMMENTS	2	SPW	RKS
02/08/19	PER CITY'S COMMENTS	1	SPW	RKS
01/21/19	PER CITY'S COMMENTS	1	SPW	RKS
11/21/18	SUBMITTAL TO CITY OF LEES SUMMIT	1	SPW	RKS

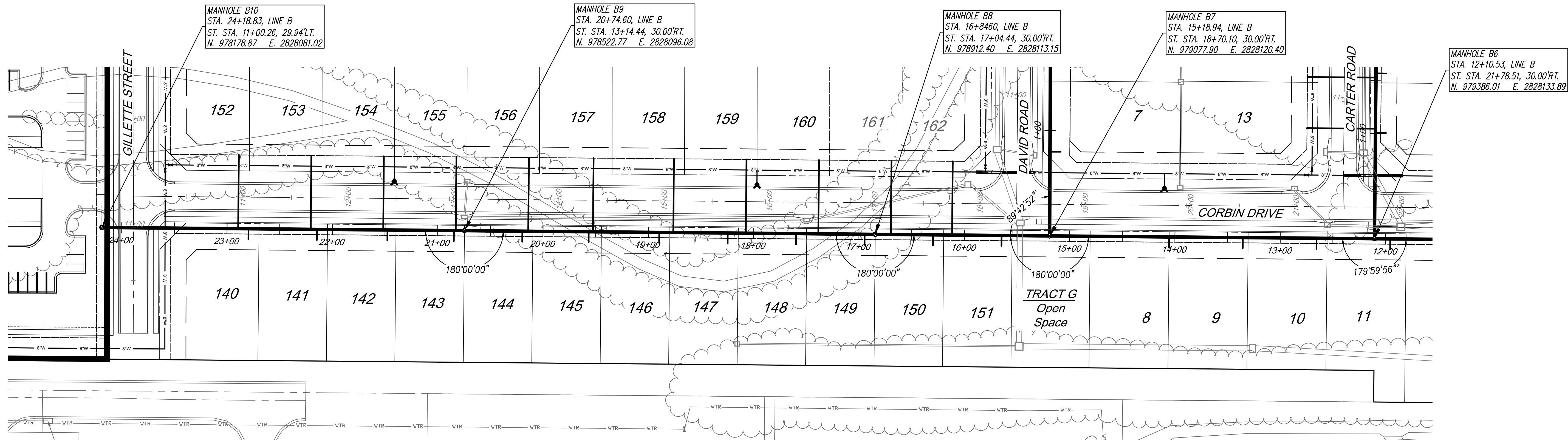


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CORPORATE LICENSE NO. E20100573 (MO.) / E-1736 (KS.)

SANITARY SEWER MAIN EXTENSION PLAN AND PROFILE COBEY CREEK FIRST PLAT LEE'S SUMMIT - JACKSON COUNTY - MISSOURI	X-REF. NO. 16-059 Base DRAWING NO. 16-059 Phase I Sanitary DATE April 16, 2019 JOB NO. 16-059
3	SHEET OF 11

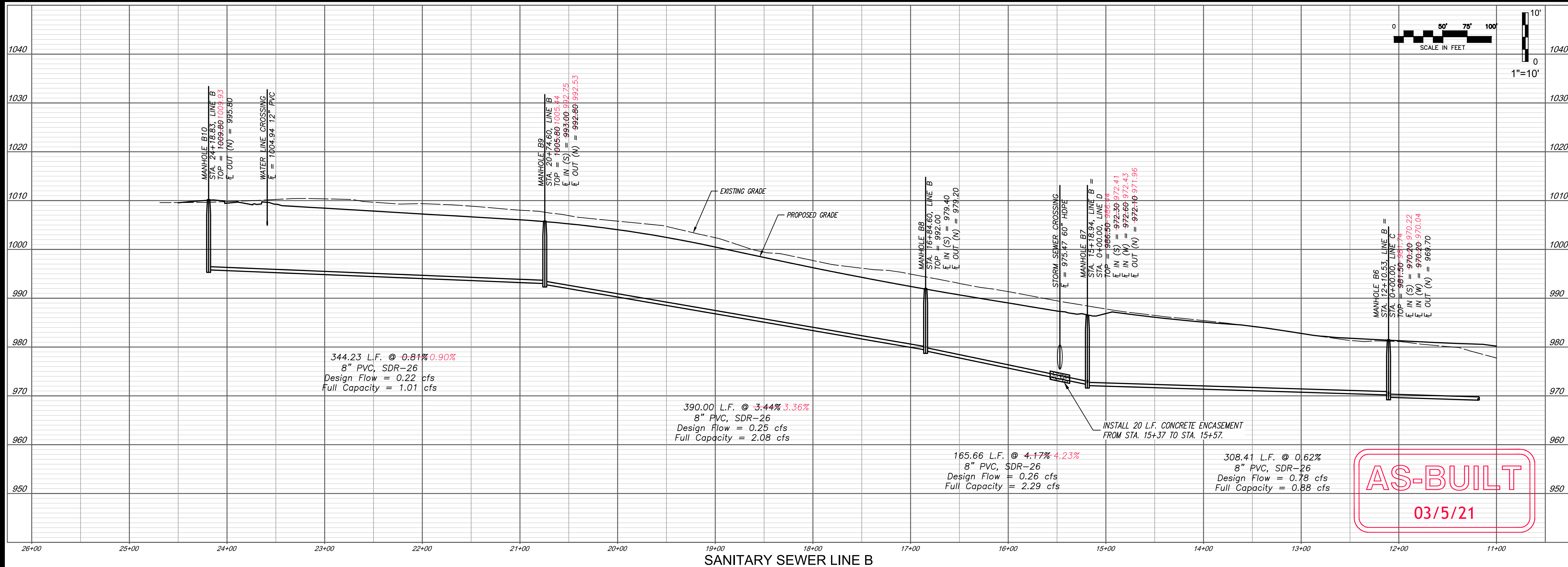


Know what's below.
Call before you dig.



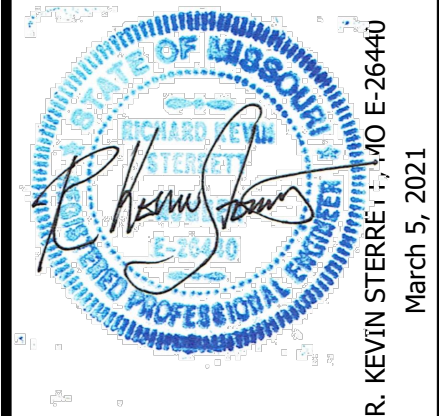
NOTE:
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DRILLED. STUB-OFFS ARE SPECIFICALLY PROHIBITED IN THE
CITY OF LEES SUMMIT.

NOTE:
TRENCH CHECKS WILL BE INSTALLED PER THE LEES
SUMMIT STANDARD DETAIL SHOWN ON SHEET 10.



AS-BUILT
03/5/21

NO.	BY	DATE	REVISION
1	SPW	02/05/21	AS-BUILT
2	SPW	02/20/19	PER CITY'S COMMENTS
3	SPW	02/20/19	PER CITY'S COMMENTS
4	SPW	02/20/19	STORM SEWER CROSSINGS AND ROAD ENCLOSURE



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SANITARY SEWER MAIN EXTENSION PLAN AND PROFILE	COBEY CREEK FIRST PLAT
LEE'S SUMMIT - JACKSON COUNTY - MISSOURI	
X-REF. NO. 16-059 Base	
DRAWING NO. 16-059 Phase I Sanitary	
DATE April 16, 2019	
JOB NO. 16-059	
4	SHEET OF 11

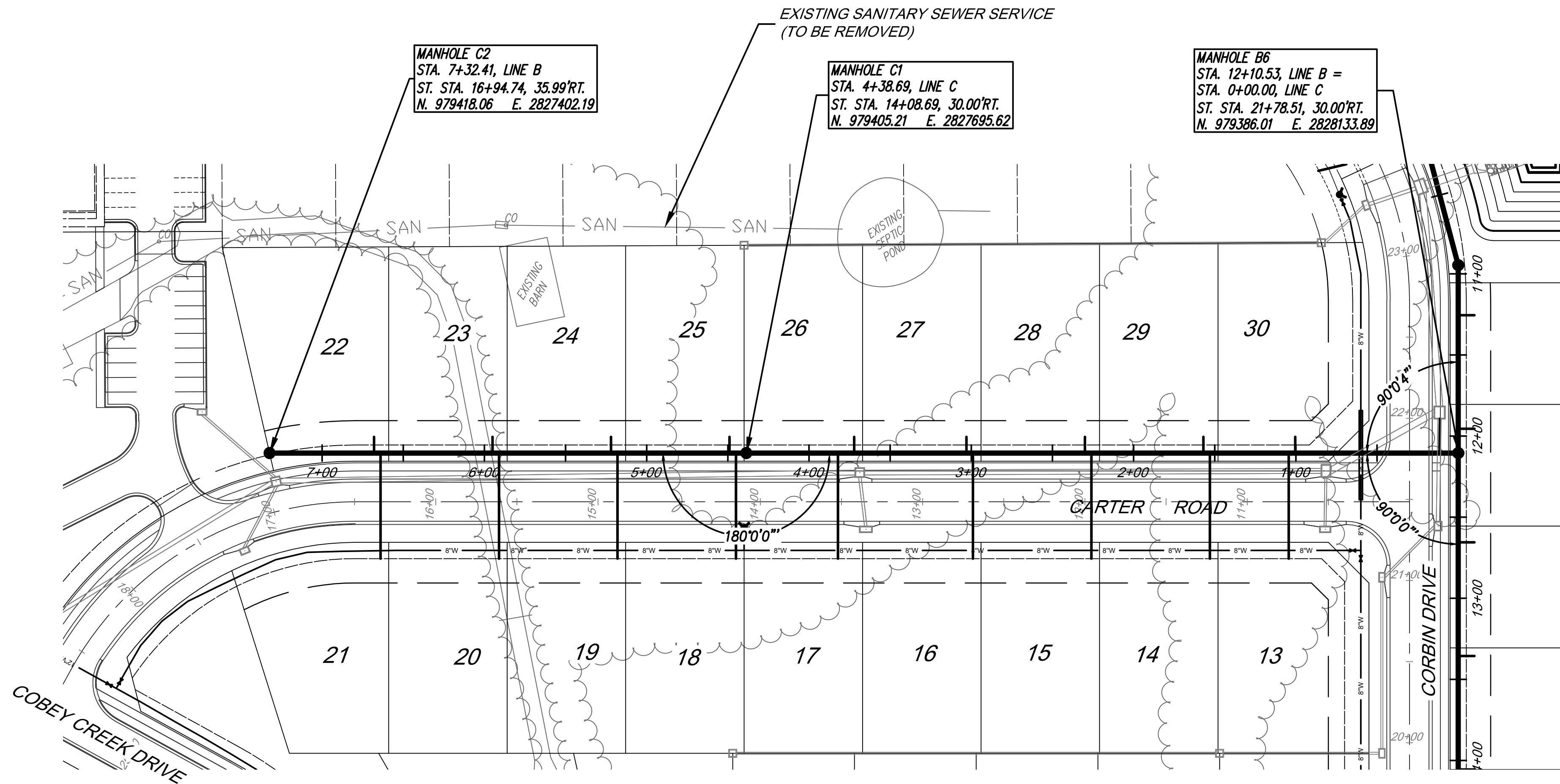
MANHOLE H1
STA. 1+00.00, LINE H
ST. STA. 12+87.17, 69.99'RT.
N. 978990.29 E. 2827799.09

MANHOLE D1
STA. 3+18.58, LINE D =
STA. 0+00.00, LINE H
ST. STA. 12+88.58, 30.00'RT.
N. 979090.25 E. 2827802.06

MANHOLE C2
STA. 7+32.41, LINE B
ST. STA. 16+94.74, 35.99'RT.
N. 979418.06 E. 2827402.19

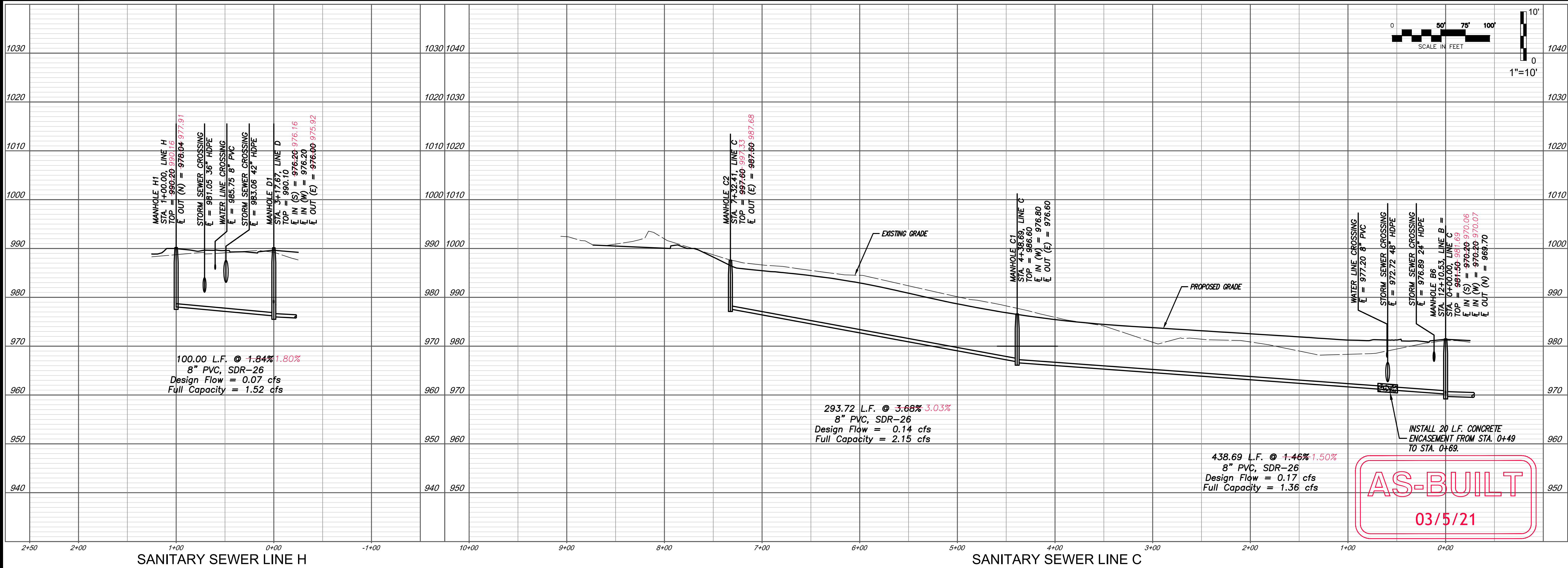
MANHOLE C1
STA. 4+38.69, LINE C
ST. STA. 14+08.69, 30.00'RT.
N. 979405.21 E. 2827695.62

MANHOLE B6
STA. 12+10.53, LINE B =
STA. 0+00.00, LINE C
ST. STA. 21+78.51, 30.00'RT.
N. 979386.01 E. 2828133.89



NOTE:
TRENCH CHECKS WILL BE INSTALLED PER THE LEES
SUMMIT STANDARD DETAIL SHOWN ON SHEET 10.

NOTE:
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AS-BUILT
03/5/21

DATE	REVISION	NO.	BY	CHK/APP.
02/05/21	AS-BUILT			
04/16/19	STORM SEWER CROSSINGS AND ADD ENCLOSURE	4	SPW	RKS
02/20/19	PER CITY'S COMMENTS	3	SPW	RKS
02/08/19	PER CITY'S COMMENTS	2	SPW	RKS
01/21/19	PER CITY'S COMMENTS	1	SPW	RKS
11/21/18	SUBMITTAL TO CITY OF LEES SUMMIT			



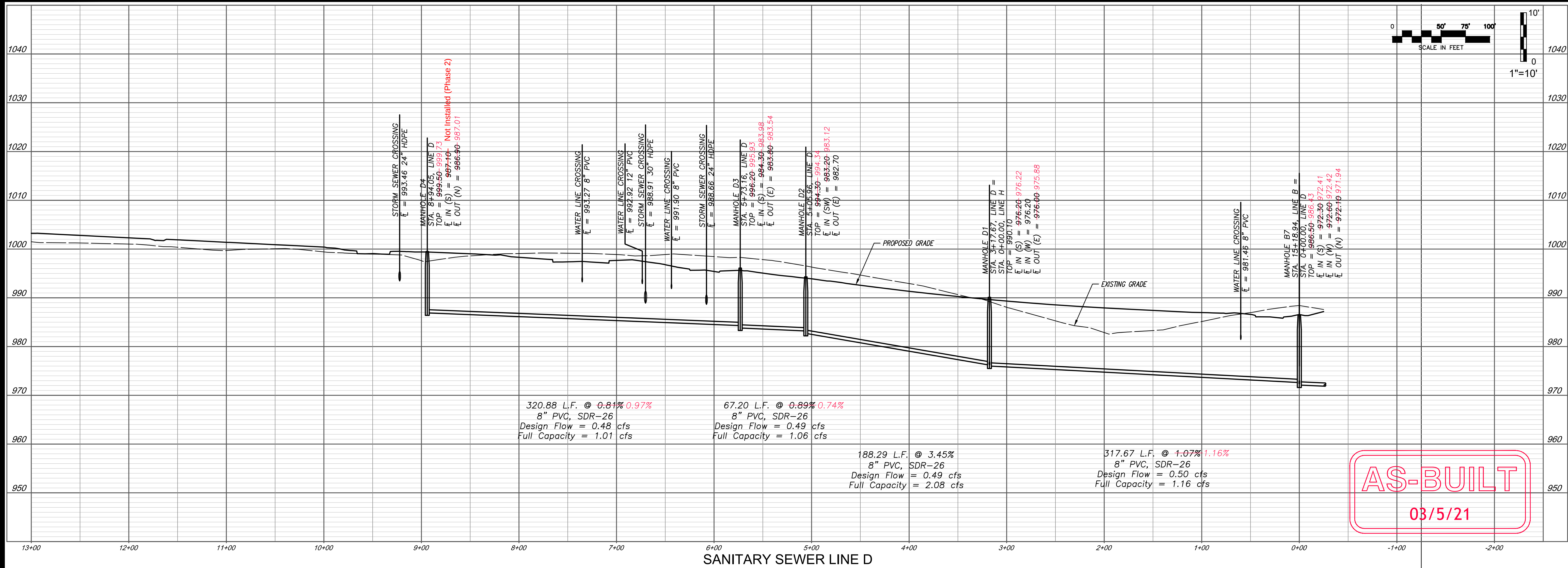
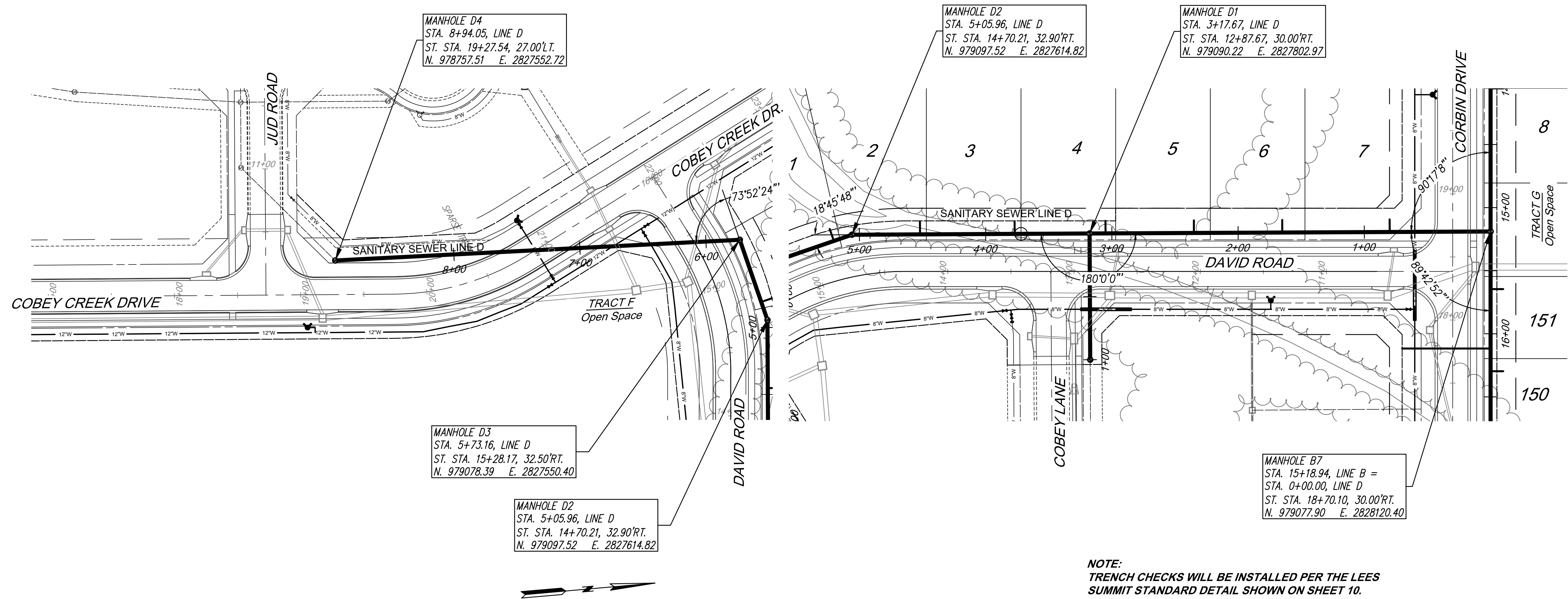
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planners
11010 Haskell Street, Suite 210, Kansas City, Kansas 66109
CORPORATE LICENSE NO. E20100573 (MO.) / E-1736 (KS.)

SANITARY SEWER MAIN EXTENSION
PLAN AND PROFILE
COBEY CREEK FIRST PLAT
LEE'S SUMMIT - JACKSON COUNTY - MISSOURI

X-REF. NO.
16-059 Base
DRAWING NO.
16-059 Phase I Sanitary
DATE
April 16, 2019
JOB NO.
16-059



Know what's below.
Call before you dig.



811

Know what's below.
Call before you dig.

8 CONSULT INC

engineers planners

11010 Haskell Street, Suite 210, Kansas City, Kansas 66109
CORPORATE LICENSE NO. E20100573 (MO.) / E-1736 (KS.)

DATE	REVISION	NO.	BY	CHKD
04/19/21	AS-BUILT revise per city comments of 4/19/21	5	RKS	RKS
02/09/21	AS-BUILT	4	SPW	RKS
04/16/19	STORM SEWER CROSSINGS AND AID ENCLOSURE	3	SPW	RKS
02/20/19	PER CITY'S COMMENTS	2	SPW	RKS
02/09/19	PER CITY'S COMMENTS	1	SPW	RKS
01/21/19	PER CITY'S COMMENTS	1	SPW	RKS
11/27/18	SUBMITTAL TO CITY OF LEES SUMMIT	1	SPW	RKS

STATE OF MISSOURI

REGISTERED PROFESSIONAL ENGINEER

KEVIN STERREY

March 5, 2021

SANITARY SEWER MAIN EXTENSION
PLAN AND PROFILE

COBEY CREEK FIRST PLAT

LEE'S SUMMIT - JACKSON COUNTY - MISSOURI

X-REF. NO.
16-059 Base

DRAWING NO.
16-059 Phase I Sanitary

DATE
April 16, 2019

JOB NO.
16-059

6

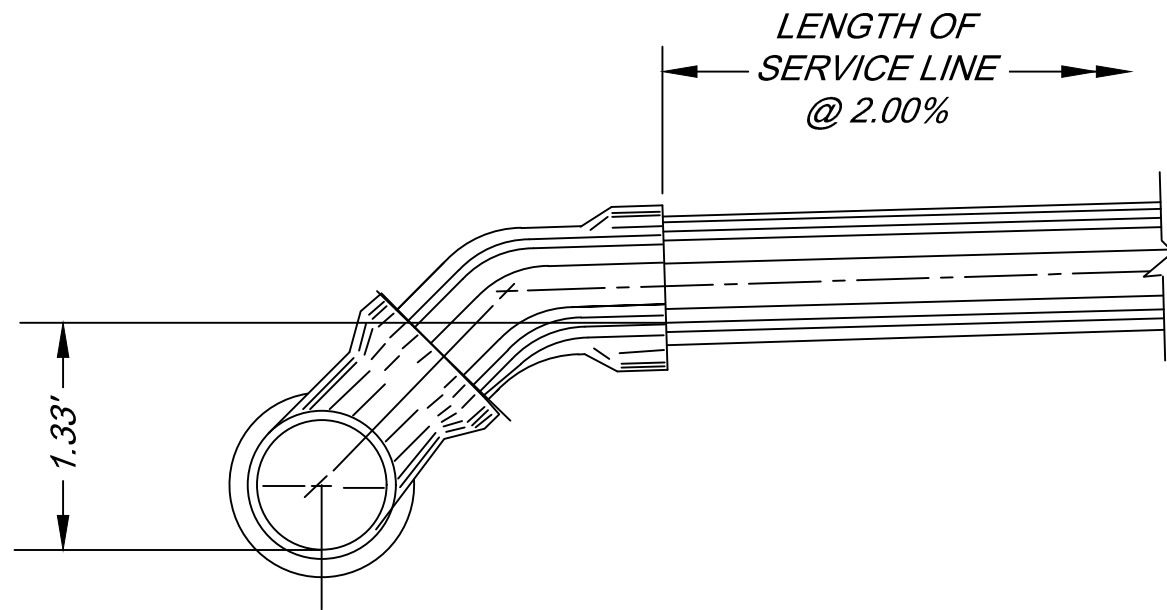
SHEET OF

11

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SHEET	SANITARY LINE NO.	SANITARY STATION	LOT NO.	LATERAL LENGTH (LF)	FLOWLINE AT END	TEE / WYE	SHEET	SANITARY LINE NO.	SANITARY STATION	LOT NO.	LATERAL LENGTH (LF)	FLOWLINE AT END	TEE / WYE	SHEET	SANITARY LINE NO.	SANITARY STATION	LOT NO.	LATERAL LENGTH (LF)	FLOWLINE AT END	TEE / WYE
3	B	10+18	31	69	969.87	TEE	5	C	1+00	30	10	973.19	TEE	6	D	0+80	7	10	974.99	TEE
3	B	11+26	12	10	970.35	TEE	5	C	1+04	13	65	974.35	TEE	6	D	1+65	6	10	975.89	TEE
3	B	11+95	11	10	971.07	TEE	5	C	1+53	14	65	975.06	TEE	6	D	2+35	5	10	976.64	TEE
4	B	12+65	10	10	972.07	TEE	5	C	1+57	29	10	974.02	TEE	6	D	3+05	4	10	977.39	TEE
4	B	13+35	9	10	972.50	TEE	5	C	2+26	15	65	976.13	TEE	6	D	3+75	3	10	979.71	TEE
4	B	14+05	8	10	972.93	TEE	5	C	2+30	28	10	975.09	TEE	6	D	4+45	2	10	982.13	TEE
							5	C	2+99	16	65	975.89	TEE	6	D	5+14	1	10	984.80	TEE
4	B	15+64	151	10	975.71	TEE	5	C	3+03	27	10	976.15	TEE							
4	B	16+11	162	70	978.87	TEE	5	C	3+72	26	10	977.16	TEE							
4	B	16+29	150	10	978.41	TEE	5	C	3+82	17	65	978.40	TEE							
4	B	16+69	161	70	981.28	TEE	5	C	4+45	18	65	979.66	TEE							
4	B	16+94	149	10	981.25	TEE	5	C	4+49	25	10	978.71	TEE							
4	B	17+38	160	70	983.97	TEE	5	C	5+18	19	65	982.34	TEE							
4	B	17+59	148	10	983.49	TEE	5	C	5+22	24	10	981.39	TEE							
4	B	18+07	159	70	986.34	TEE	5	C	5+91	20	65	985.03	TEE							
4	B	18+24	147	10	985.72	TEE	5	C	5+95	23	10	984.08	TEE							
4	B	18+76	158	70	988.71	TEE	5	C	6+64	21	65	987.71	TEE							
4	B	18+89	146	10	987.95	TEE	5	C	6+68	22	10	986.76	TEE							
4	B	19+52	157	70	991.32	TEE														
4	B	19+56	145	10	990.26	TEE														
4	B	20+14	156	70	993.45	TEE														
4	B	20+19	144	10	992.42	TEE														
4	B	20+81	155	70	995.78	TEE														
4	B	20+85	143	10	994.62	TEE														
4	B	21+47	142	10	995.12	TEE														
4	B	21+51	154	70	996.35	TEE														
4	B	22+14	141	10	995.66	TEE														
4	B	22+20	153	70	996.91	TEE														
4	B	22+79	140	10	996.19	TEE														
4	B	22+89	152	70	997.47	TEE														

Note: Wye's were installed in lieu of tees as labeled on the table



SANITARY SEWER SERVICE LINE
END OF FLOWLINE CALCULATION

THE FLOWLINE AT END OF THE SERVICE LINE SHOWN ON THE TABLE PROVIDED IS CALCULATED BY:

THE FLOWLINE OF THE SANITARY SEWER MAIN AT THE SERVICE LINE CONNECTION
+ 1.33'
+ LENGTH OF SERVICE LINE X (0.02 / 2.00%)
= FLOWLINE AT END OF SERVICE LINE

EXAMPLE:
FLOWLINE @ MAIN = 100.00
TEE & BEND + 1.33
50' SERVICE LINE + 1.00
FLOWLINE @ END = 102.33

AS-BUILT
03/5/21

6

RKS

RKS

04/19/21

As-builts revise per city comments of 4/19/21

DATE

REVISION

BY

CK/APP

03/05/21

AS-BUILT

RKS

09/08/20

REVISED SANITARY LATERAL TABLES

RKS

04/07/19

STUDY SEWER CROSSINGS AND ADD ENCLOSURE

RKS

02/20/19

PER CITY COMMENTS

RKS

02/08/19

PER CITY COMMENTS

RKS

01/31/19

PER CITY COMMENTS

RKS

11/27/18

SUBMITTAL TO CITY OF JES SUMMIT

RKS

STATE OF MISSOURI

REGISTERED PROFESSIONAL ENGINEER

NO. 559

EXPIRATION DATE 03/31/2025

R. KEVIN STERKE, P.E.

March 5, 2021

Consult Inc engineers planners

11010 Haskell Street, Suite 210, Kansas City, Kansas 66109

CORPORATE LICENSE NO. E201000573 (MO.) / E-1736 (KS.)

SANITARY SEWER MAIN EXTENSION
SUMMARY TABLES - SAN. LATERALS

COBEY CREEK FIRST PLAT
LEE'S SUMMIT - JACKSON COUNTY - MISSOURI

X-REF. NO.
16-059 Base

DRAWING NO.
16-059 Phase I Sanitary

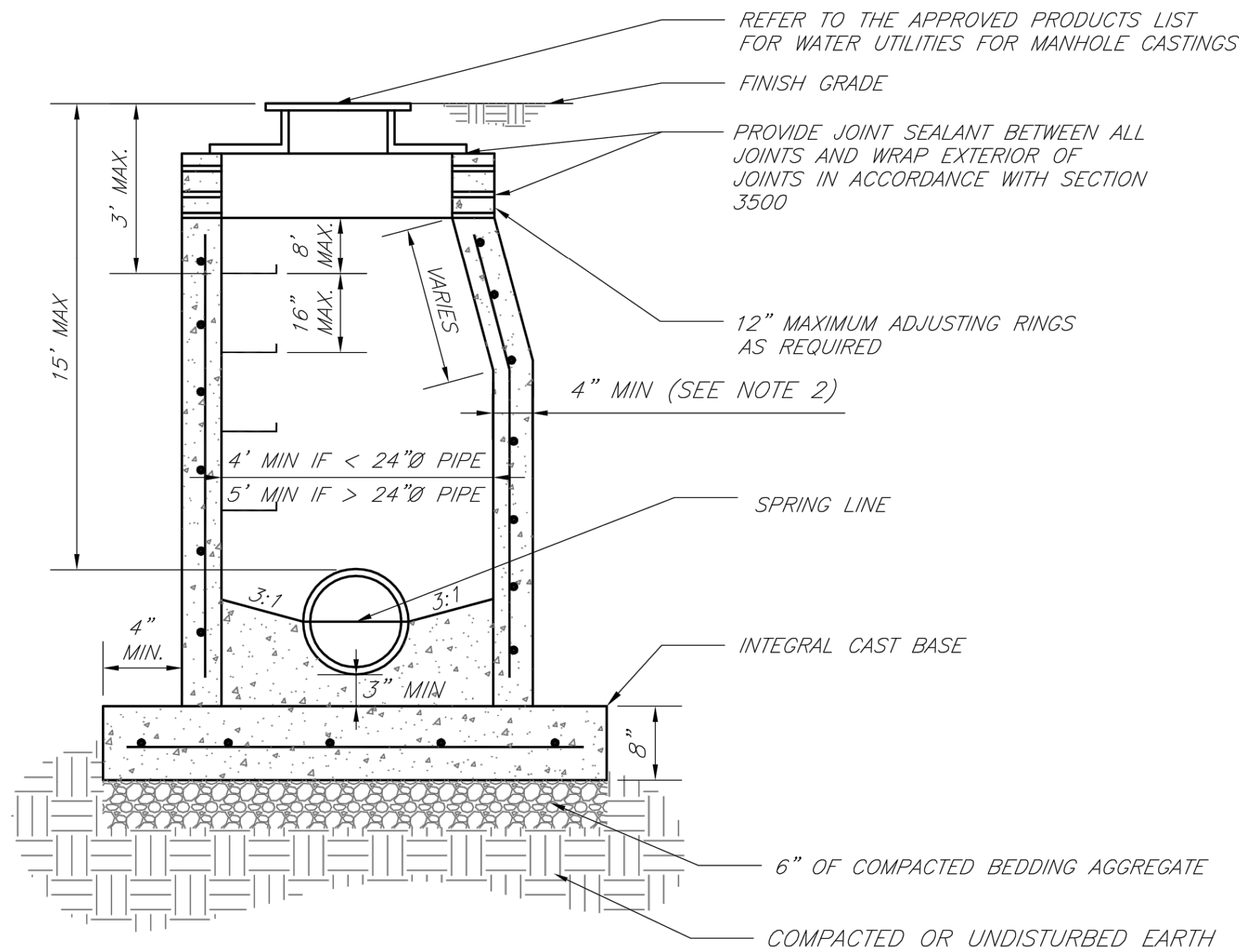
DATE
September 8, 2020

JOB NO.
16-059

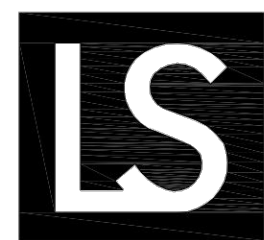
7

SHEET OF

11



- NOTES:
1. PRECAST CONCRETE MANHOLES SHALL CONFORM TO ASTM C478 EXCEPT AS MODIFIED BY THE SPECIFICATIONS.
 2. A WALL THICKNESS NOT LESS THAN ONE-TWELFTH ($\frac{1}{12}$) 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 INTO THE FLOW LINE.
 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

Date: 02/13

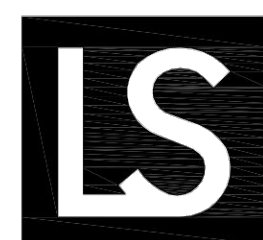
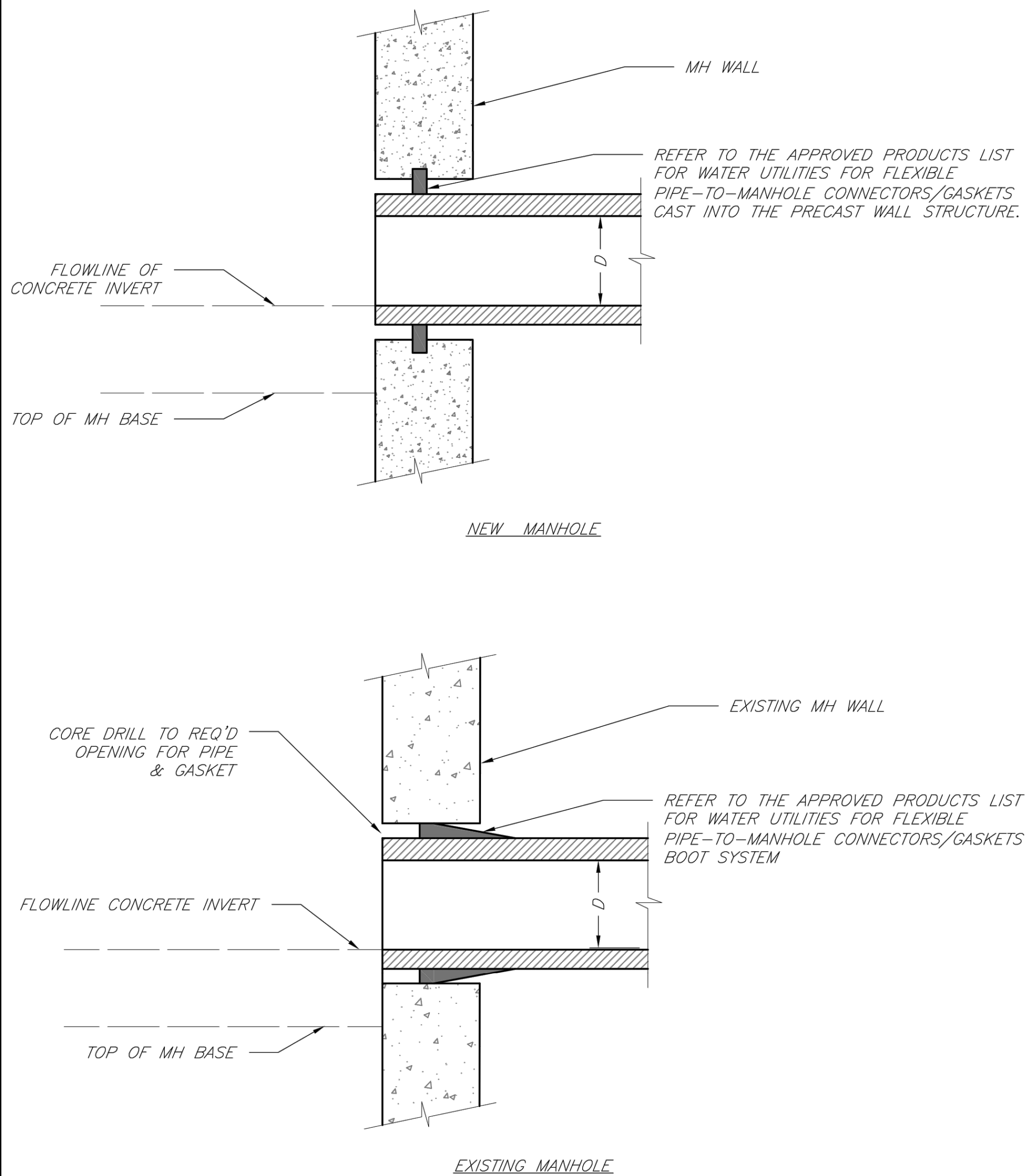
Drawn By: JN

Checked By: DL

FILE: SAN-2

Rev: 1/14

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:

AS-BUILT
03/5/21

**Consult
Inc**
engineers
planners
11010 Haskell Street, Suite 210, Kansas City, Kansas 66109
CORPORATE LICENSE No. E20100573 (MO.) / E-1736 (KS.)

**SANITARY SEWER MAIN EXTENSION
SANITARY DETAILS**

COBEY CREEK FIRST PLAT
LEE'S SUMMIT - JACKSON COUNTY - MISSOURI

X-REF NO.
16-059 Base

DRAWING NO.
16-059 Phase I Sanitary

DATE
September 8, 2020

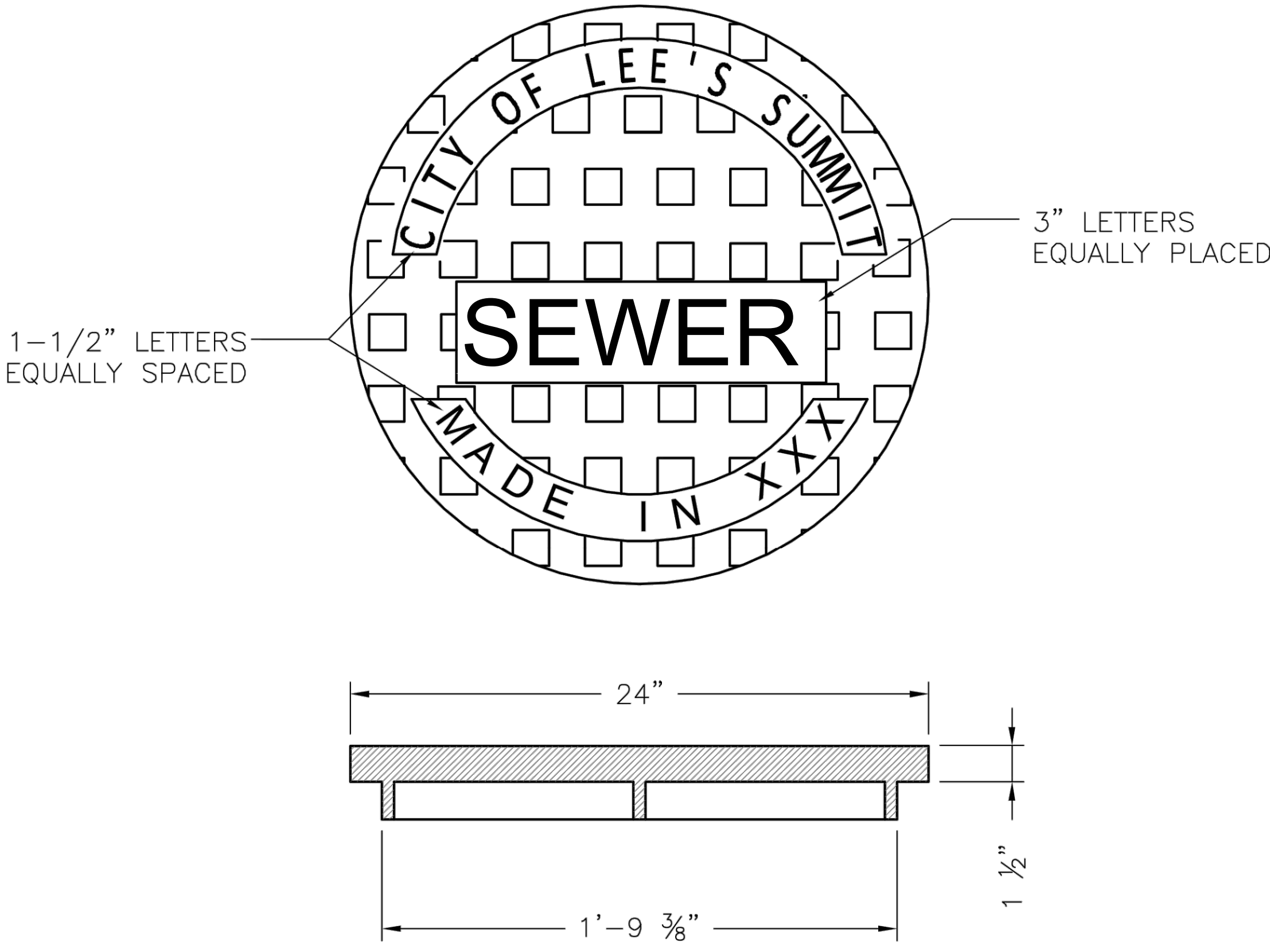
JOB NO.
16-059

SHEET
OF

11

DATE	REVISION	NO.	BY	CHK/APP
03/05/21	AS-BUILT	1	DL	DL
09/08/20	REVISED SANITARY LATERAL TABLES	5	SPW	DL
04/07/19	STUDY SHEET CROSSINGS AND ADD ENFORCEMENT	4	SPW	DL
02/20/19	PER CITY'S COMMENTS	3	SPW	DL
02/08/19	PER CITY'S COMMENTS	2	SPW	DL
01/21/19	PER CITY'S COMMENTS	1	SPW	DL
11/20/18	SUBMITTAL TO CITY OF LEE'S SUMMIT	1	SPW	DL

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STANDARD 24" MANHOLE COVER
MINIMUM WEIGHT = 160 LB
NOTE: PICK HOLES NOT SHOWN

*COVER AND FRAME MODEL INFORMATION REFER TO
THE STORMWATER APPROVED PRODUCT LIST.

LS

LEE'S SUMMIT

MISSOURI

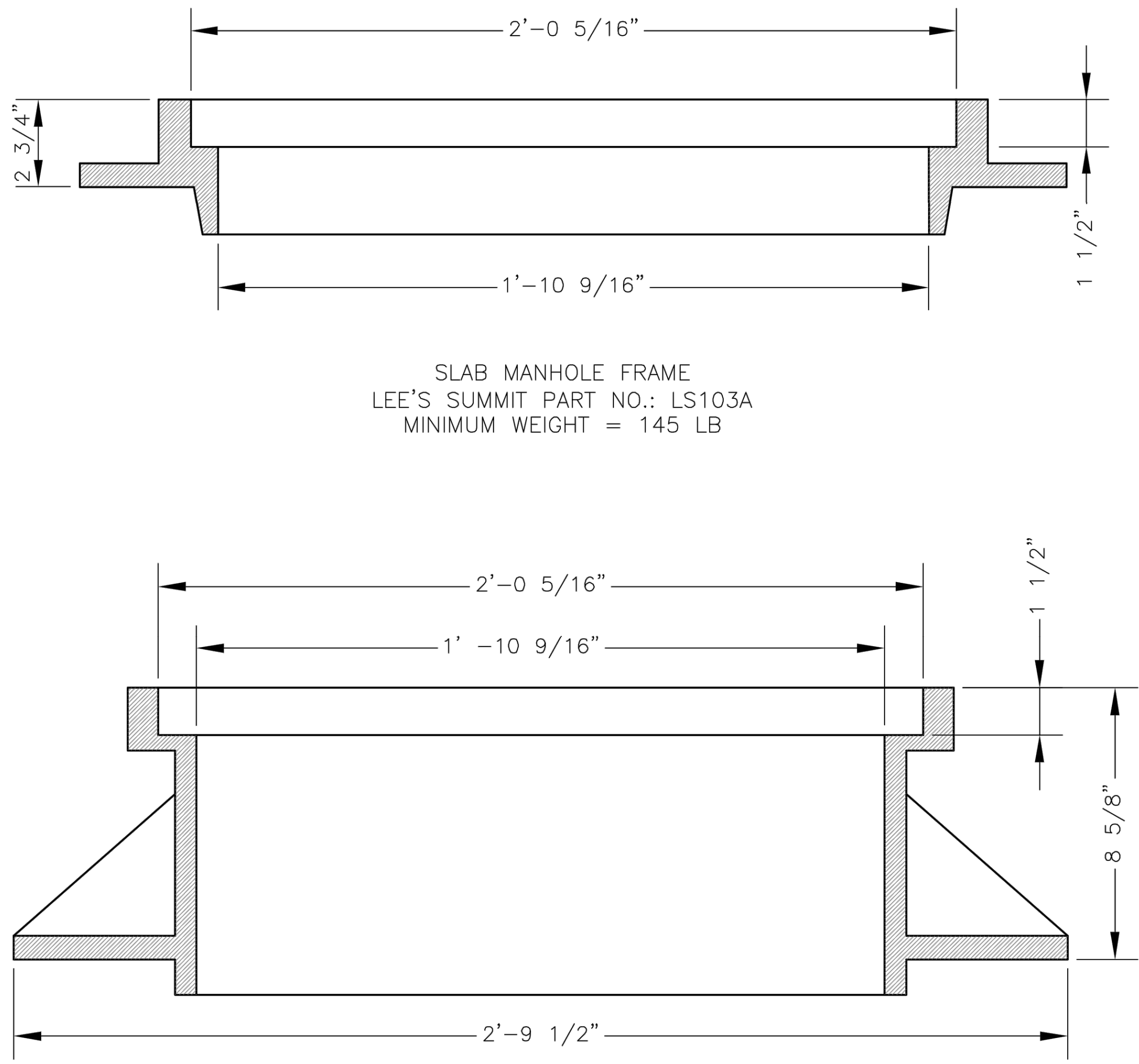
PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

Sanitary Manhole Cover Detail

Date: 04/17

Drawn By: MJF

Checked By: DL



STANDARD 24" MANHOLE FRAME
LEE'S SUMMIT PART NO.: LS101A
MINIMUM WEIGHT = 250 LB

*COVER AND FRAME MODEL INFORMATION REFER TO
THE STORMWATER APPROVED PRODUCTS LIST.

LS

LEE'S SUMMIT

MISSOURI

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

Sanitary Manhole Frame Detail

Date: 04/17

Drawn By: MJF

Checked By: DL

AS-BUILT

03/5/21

DATE	REVISION	NO.	BY	CHK/APR
03/05/21	1-LS-BUILD	1	DL	DL
09/08/20	REVISED SANITARY LATERAL TABLES	5	SPW	DL
04/07/19	STORM SEWER CROSSINGS AND ADD ENCLOSURE	4	SPW	DL
02/20/19	PER CITY'S COMMENTS	3	SPW	DL
02/08/19	PER CITY'S COMMENTS	2	SPW	DL
01/23/19	PER CITY'S COMMENTS	1	SPW	DL
11/20/18	SUBMITTAL TO CITY OF LEE'S SUMMIT	1	SPW	DL

SANITARY SEWER MAIN EXTENSION

SANITARY DETAILS

COBEY CREEK FIRST PLAT

LEE'S SUMMIT - JACKSON COUNTY - MISSOURI

X-REF NO.
16-059 Base

DRAWING NO.
16-059 Phase I Sanitary

DATE
September 8, 2020

JOB NO.
16-059

9

SHEET OF

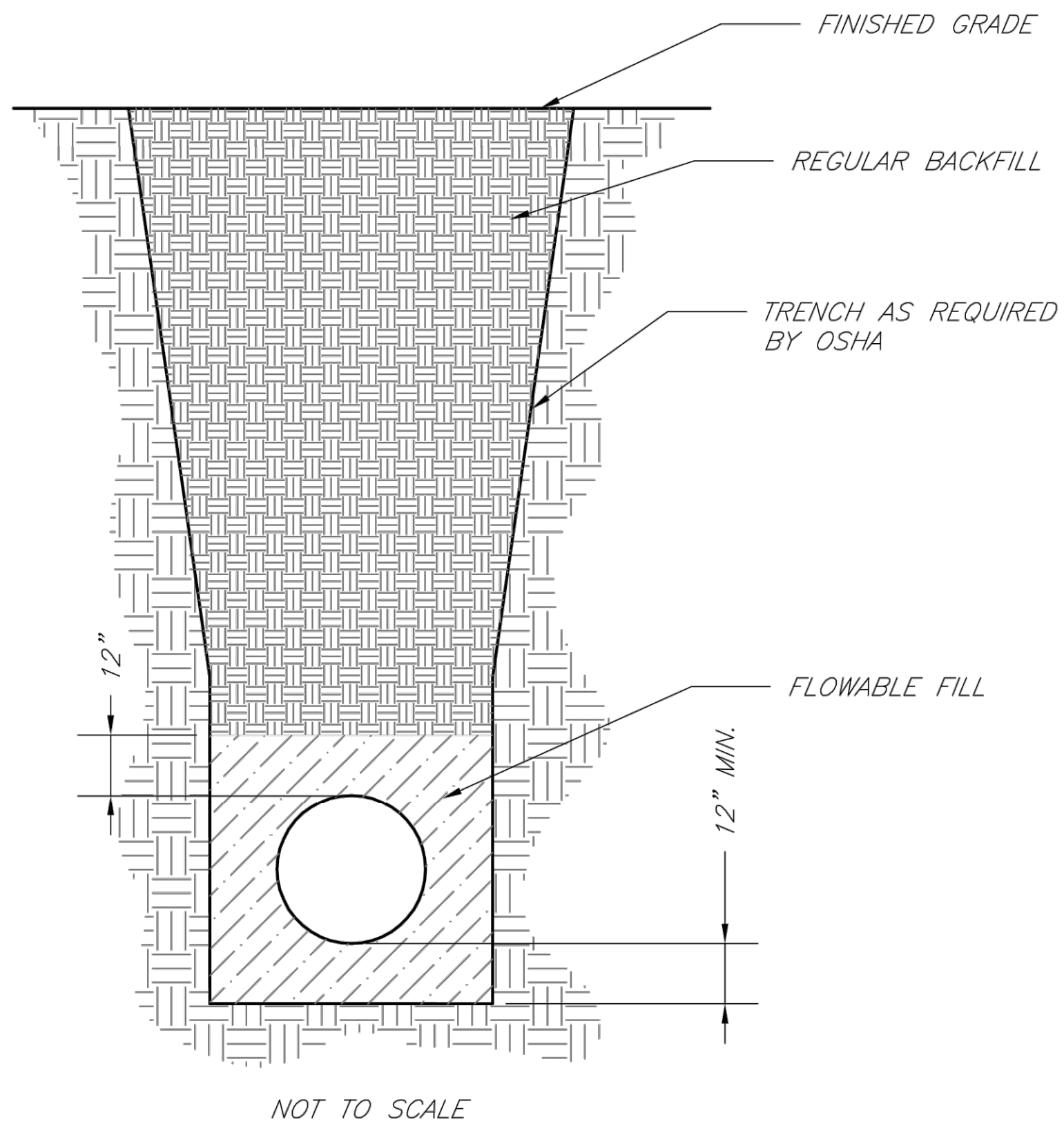
11

Consult Inc engineers planners

11010 Haskell Street, Suite 210, Kansas City, Kansas 66109

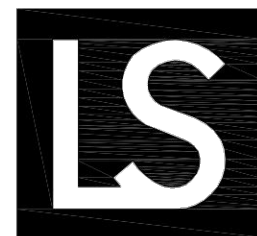
CORPORATE LICENSE No. E201000573 (MO.) / E-1736 (KS.)

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NOTES:

1. FLOWABLE FILL SHALL MEET THE REQUIREMENTS OF THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL.
2. REGULAR BACKFILL ABOVE THE TRENCH CHECK SHALL BE FREE OF DEBRIS, ORGANIC MATTER, AND STONES > 6" IN ANY DIMENSION.
3. TOP OF FLOWABLE BACKFILL SHALL EXTEND 12" ABOVE THE TOP OF THE PIPE.
4. LENGTH OF TRENCH CHECK SHALL BE A MINIMUM OF 12".



LEE'S SUMMIT
MISSOURI

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

TRENCH CHECK

Date: 02/13

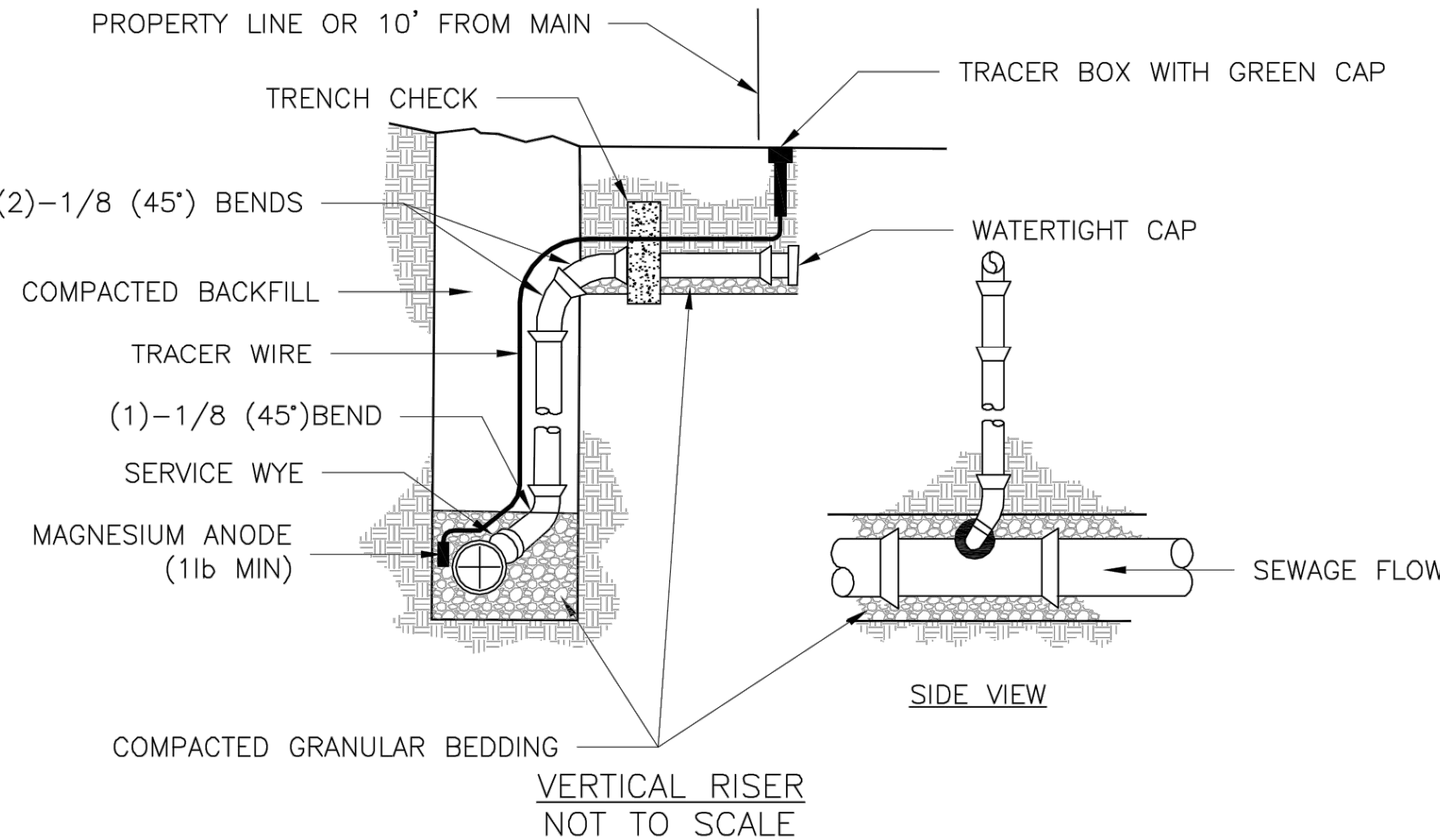
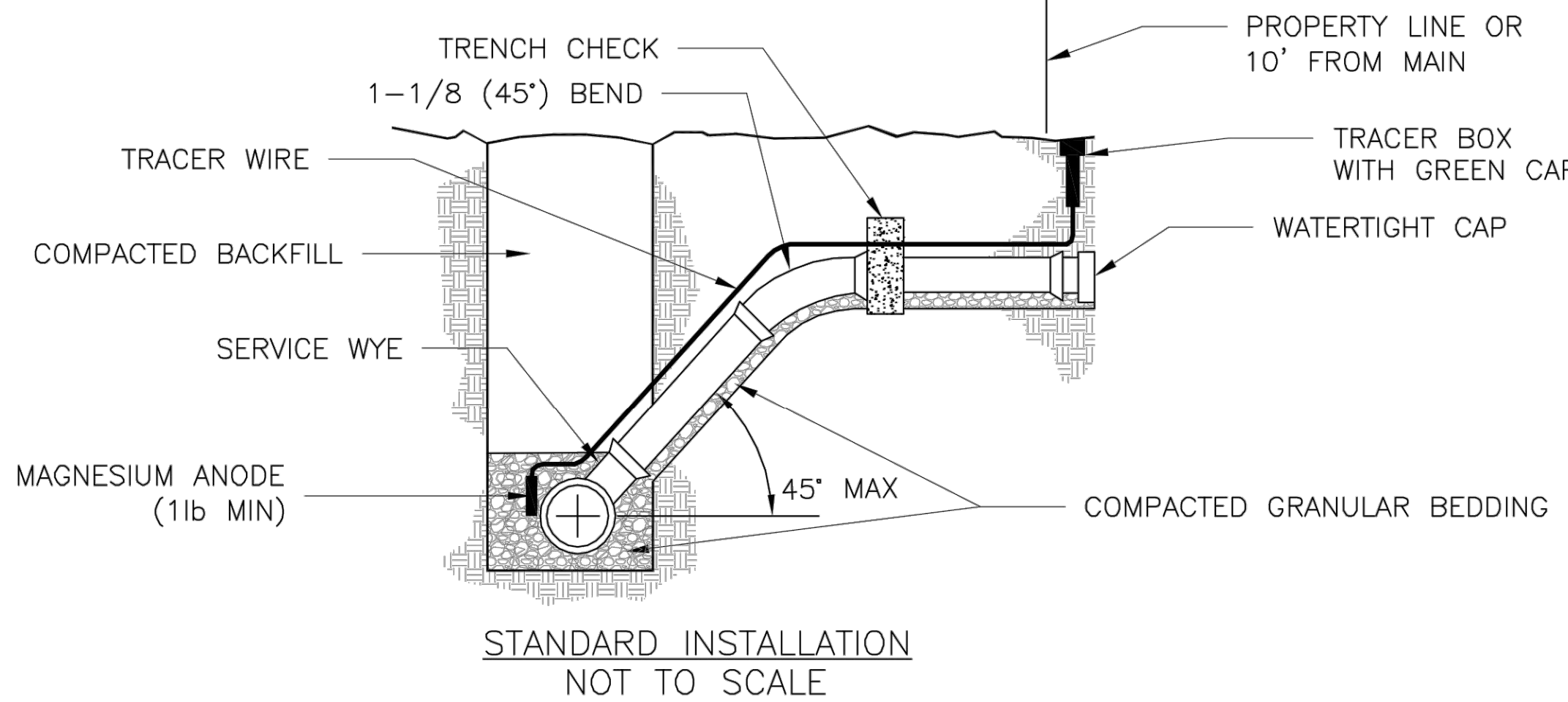
Drawn By: JN

Checked By: DL

FILE: WAT-6

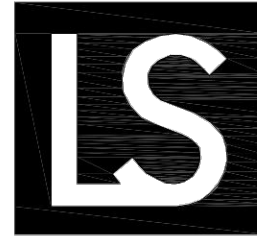
Rev: 1/14

Rev:



NOTES:

1. ALL SEWER STUBS SHALL BE CONSTRUCTED TO PROPERTY LINE OR 10' MINIMUM FROM THE MAIN. WHERE SIDEWALKS ARE PRESENT, CONTRACTOR SHALL EXTEND SERVICE LINE UNDER EXISTING SIDEWALK TO TWO FEET BEYOND.
2. ALL NEW CONSTRUCTION OFF SEWER STUBS SHALL BE TEMPORARILY MARKED WITH A MARKING STAKE, 36" ABOVE GROUND AND PAINTED GREEN.
3. IMPERVIOUS TRENCH CHECKS SHALL BE PLACED ON BUILDING SEWER STUBS (AT LEAST 5' AWAY FROM THE SANITARY SEWER MAIN).
4. TRENCH CHECKS ON THE BUILDING SEWER STUBS SHALL EXTEND 6" BELOW THE BOTTOM OF THE PIPE. LENGTH SHALL BE A MINIMUM OF 12". THE HEIGHT OF THE TRENCH CHECK SHALL EXTEND 12" ABOVE THE TOP OF THE PIPE. THE WIDTH OF THE TRENCH CHECK SHALL BE THE WIDTH OF THE TRENCH.
5. SEE SPECIFICATION SECTION 2100 FOR SEWER MAIN BEDDING AND BACKFILL.
6. #12 GAUGE GREEN INSULATED COPPER TRACER WIRE SHALL BE INSTALLED. TRACER WIRE TERMINAL BOXES SHALL BE INSTALLED DIRECTLY ABOVE THE SEWER SERVICE OR AS DETERMINED BY THE ENGINEER.
7. FOR SERVICES, TRACER WIRE SHALL RUN FROM THE WYE AND TERMINATE IN A FLUSH MOUNTED TRACER BOX WITH A GREEN CAST IRON LOCKABLE TOP. WIRE SHALL BE TAPED OR TIED TO THE PIPE AT 5' INTERVALS.
8. TRACER WIRE BOX SHALL BE INSTALLED WITHIN 1.0' OF PROPERTY LINE.
9. THE TRACER WIRE SHALL REMAIN CONTINUOUS TO THE GREATEST EXTENT POSSIBLE. SPLICES IN THE TRACER WIRE SHOULD BE MADE WITH SPLIT BOLT CONNECTORS. WIRE NUTS SHALL NOT BE USED. A WATER-PROOF CONNECTION IS NECESSARY TO PREVENT CORROSION.



LEE'S SUMMIT
MISSOURI

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

BUILDING SEWER STUB AND RISER

Date: 04/17

Drawn By: MJF

Checked By: DL

SAN-1

AS-BUILT
03/5/21



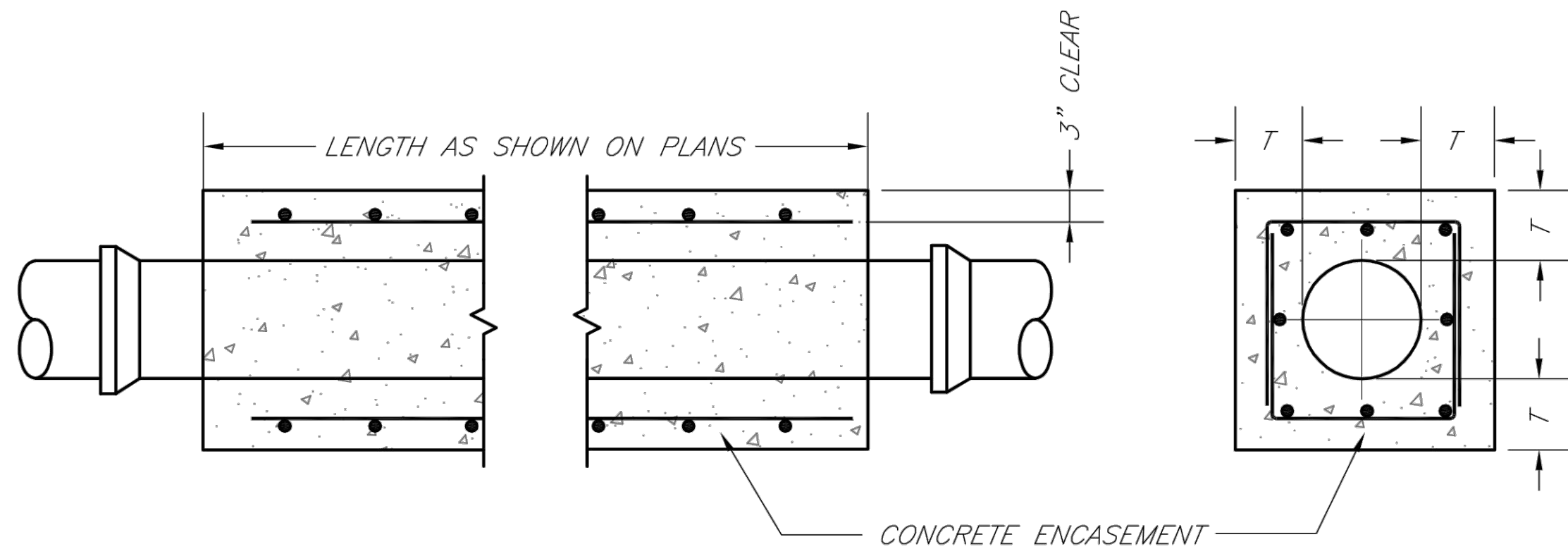
SANITARY SEWER MAIN EXTENSION
SANITARY DETAILS

COBEY CREEK FIRST PLAT

LEE'S SUMMIT - JACKSON COUNTY - MISSOURI

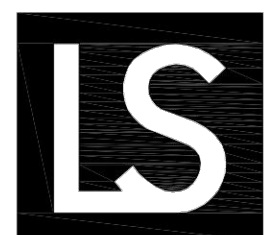
X-REF NO.
16-059 Base
DRAWING NO.
16-059 Phase I Sanitary
DATE
September 8, 2020
JOB NO.
16-059

10 SHEET OF 11



NOTES:

1. FOR PIPES LESS THAN 15", T = 6" MIN.
2. FOR PIPES 15" THRU 36", T = 8" MIN.
3. INTERMEDIATE BELLS SHALL BE ENCASED.
4. REINFORCING STEEL SHALL BE #4 @ 12" O.C. EACH WAY WITH A MINIMUM REBAR LAP OF 12".



LEE'S SUMMIT
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SANITARY PIPE ENCASEMENT

Date: 02/13

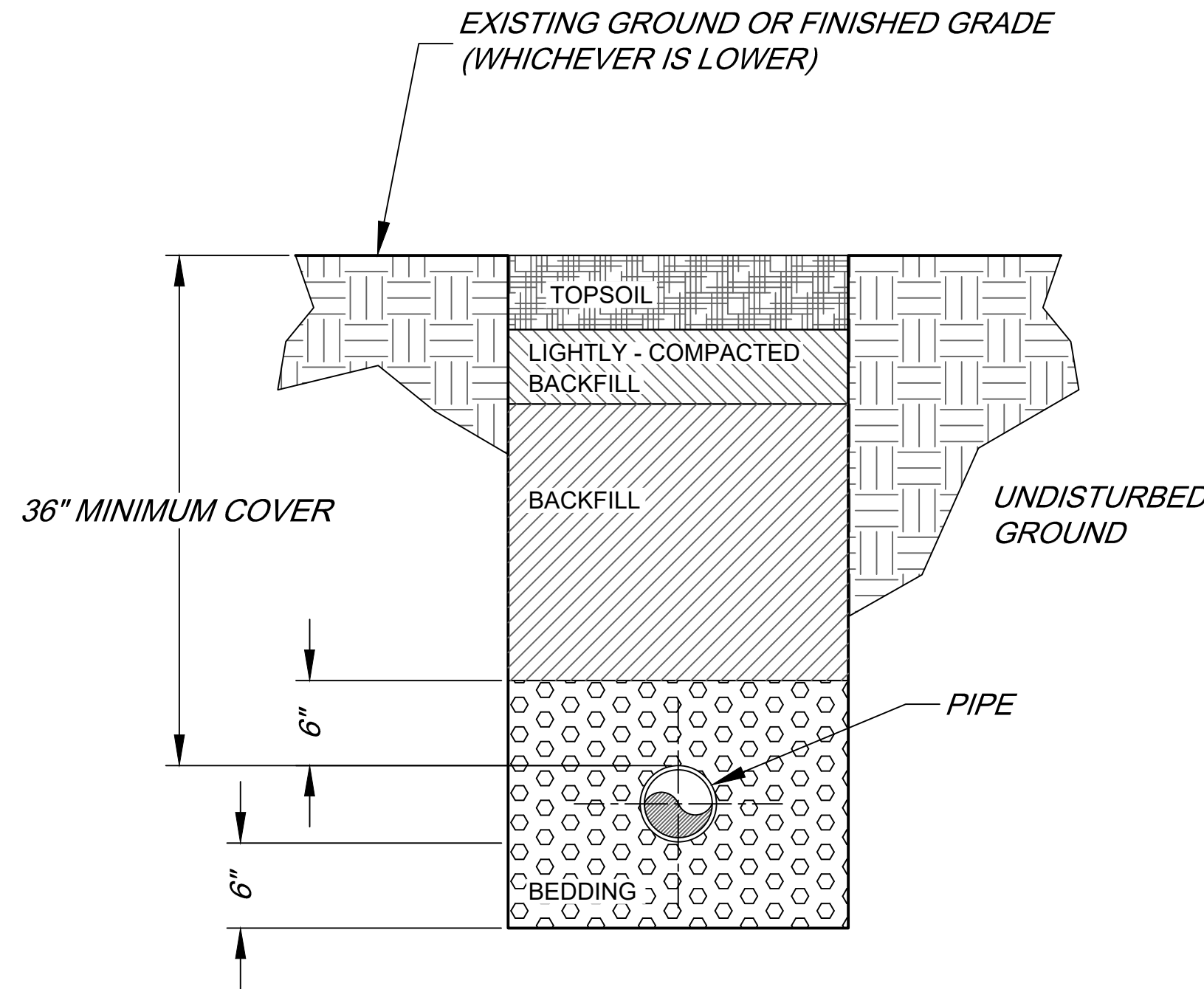
Drawn By: JN

Checked By: DL

FILE: SAN-7

Rev: 1/14

Rev:



SANITARY SEWER
TYPICAL TRENCHING AND
BEDDING DETAIL

NOT TO SCALE

NOTES:

1. BEDDING:
BEDDING AGGREGATE SHALL BE PLACED FROM A LEVEL OF 6 INCHES BELOW THE BOTTOM OF THE PIPE TO A LEVEL OF 6 INCHES ABOVE THE TOP OF THE PIPE.
2. BACKFILL:
A) TRENCH FOUNDATION:
THE AREA AT THE BOTTOM OF THE EXCAVATION SHALL BE COMPOSED OF A STABLE MATERIAL CAPABLE OF SUPPORTING THE PLACEMENT OF BEDDING MATERIAL, PIPE, OR STRUCTURES.
B) BACKFILL OF ALL PIPES UNDER ROADWAYS, CURB AND GUTTER AND ALL OTHER PAVED AREAS WITHIN THE RIGHT OF WAY SHALL CONSIST OF FLOWABLE BACKFILL AS SPECIFIED IN APWA SPEC. 2100 PARAGRAPH 2602.2H MIX DESIGN TYPE A. THE FLOWABLE BACKFILL SHALL EXTEND 2 FEET FROM THE BACK OF CURB TO 2 FEET BACK OF CURB, UP TO 18" INCHES BELOW FINISHED GRADE. FOR EXISTING ROADWAYS FLOWABLE BACKFILL SHALL BE EXTENDED TO THE BASE OF PAVEMENT.

AS-BUILT
03/5/21

DATE	REVISION	NO.	BY	CHK/APP
03/05/21	1. AS-BUILT	1	DL	DL
09/08/20	REVISED SANITARY LATERAL TABLES	5	SPW	DL
04/07/19	STANDARD STREET CROSSINGS AND ADD ENCASEMENT	4	SPW	DL
02/20/19	PER CITY'S COMMENTS	3	SPW	DL
02/08/19	PER CITY'S COMMENTS	2	SPW	DL
01/23/19	PER CITY'S COMMENTS	1	SPW	DL
11/20/18	SUBMITTAL TO CITY OF LEE'S SUMMIT	1	SPW	DL

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SANITARY SEWER MAIN EXTENSION
SANITARY DETAILS

COBEY CREEK FIRST PLAT

LEE'S SUMMIT - JACKSON COUNTY - MISSOURI

X-REF NO. 16-059 Base	11
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