CITY OF LEE'S SUMMIT, MISSOURI
HCA LSMC ASC
SANITARY SEWER RELOCATION AND
WATER MAIN ABANDONMENT
CITY PROJECT NO. PL2023001/PL2023002

RECORD DRAWING

DATE: 09/11/2024

### **SECTION MAP**

SCALE: 1" = 2000' SECTION 10-T47N-R31W JACKSON COUNTY, MISSOURI

### **UTILITY CONTACTS**

CITY OF LEE'S SUMMIT. MO

PLANNING AND DEVELOPMEN CITY HALL JOSH JOHNSON 220 SE GREEN STREET LEE'S SUMMIT, MO 64063 TEL: (816) 969-1600 FAX: (816) 969-1619

PUBLIC WORKS
CITY HALL
220 SE GREEN STREET
LEE'S SUMMIT, MO 64063
TEL: (816) 969-1800
FAX: (816) 969-1809

LEE'S SUMMIT FIRE DEPARTMENT 207 SE DOUGLAS ROAD LEE'S SUMMIT, MO 64063 TEL: (816) 969-1300

TELEPHONE COMPANY AT&T TEL: (800) 464-7928 CODES ADMINISTRATION
CITY HALL
220 SE GREEN STREET

220 SE GREEN STREET LEE'S SUMMIT, MO 64063 TEL: (816) 969-1200 FAX: (816) 969-1201

WATER UTILITIES
CITY HALL
1200 SE HAMBLEN RD
LEE'S SUMMIT, MO 64063

TEL: (816) 969-1900

FAX: (816) 969-1935

ELECTRIC COMPANY

EVERGY

TEL: (888) 471-5275

MISSOURI GAS ENERGY TEL: (816) 756-5252

GAS COMPANY

All existing utility locations shown are approximate only and are not guaranteed to be accurate or all inclusive. Contractor shall be responsible for contacting all utility companies and verifying the actual field locations of all utilities prior to any construction activity. Contractor shall keep all utility locations current. Utilities damaged through the negligence of the contractor to obtain the proper field locations shall be the responsibility of the contractor to repair or replace at their expense and at the direction of the utility company. The contractor shall pothole and survey all utility crossings prior to construction of any portion of storm sewer, sanitary sewer laterals, underdrains, conduit and any other subsurface element of the project. The survey information shall be forwarded to the project engineer for review. The contractor shall not begin construction on any subsurface element on the project without the approval of the project engineer. Utility coordination, potholing/surveying shall be subsidiary to other bid items.





VICINITY MAP

Not to Scale

# PROJECT CONTROL TABLE (NAD83 MISSOURI STATE PLANE, WEST ZONE, US SURVEY FOOT)

POINT NO.	CONTROL POINT/ BENCHMARK DESCRIPTION	GROUND VALUE NORTHING COORDINATE	GROUND VALUE EASTING COORDINATE	ELEV.
1	CP1 /IB4 W CAP BASE	996651.33	2835160.01	1005.91
10	CP10 IB4 W CAP	996709.77	2835166.68	1004.75
11	CP11 /IB4 W CAP	996282.25	2835096.83	1009.27'
2502	BM1 / SQUARE ON INLET	996690.68	2835166.32	1005.01

She	et List Table
Sheet	Choot Title
Number	Sheet Title
1	COVER SHEET
2	GENERAL LAYOUT
3	SANITARY PLAN AND PROFILE
4	EROSION CONTROL PLAN
5	CONSTRUCTION DETAILS

**Record Drawing** 

#### PREPARED & SUBMITTED BY:

BHC RHODES OVERLAND PARK, KANSAS

ERIC BYRD, P.E.

**APPROVED:** 

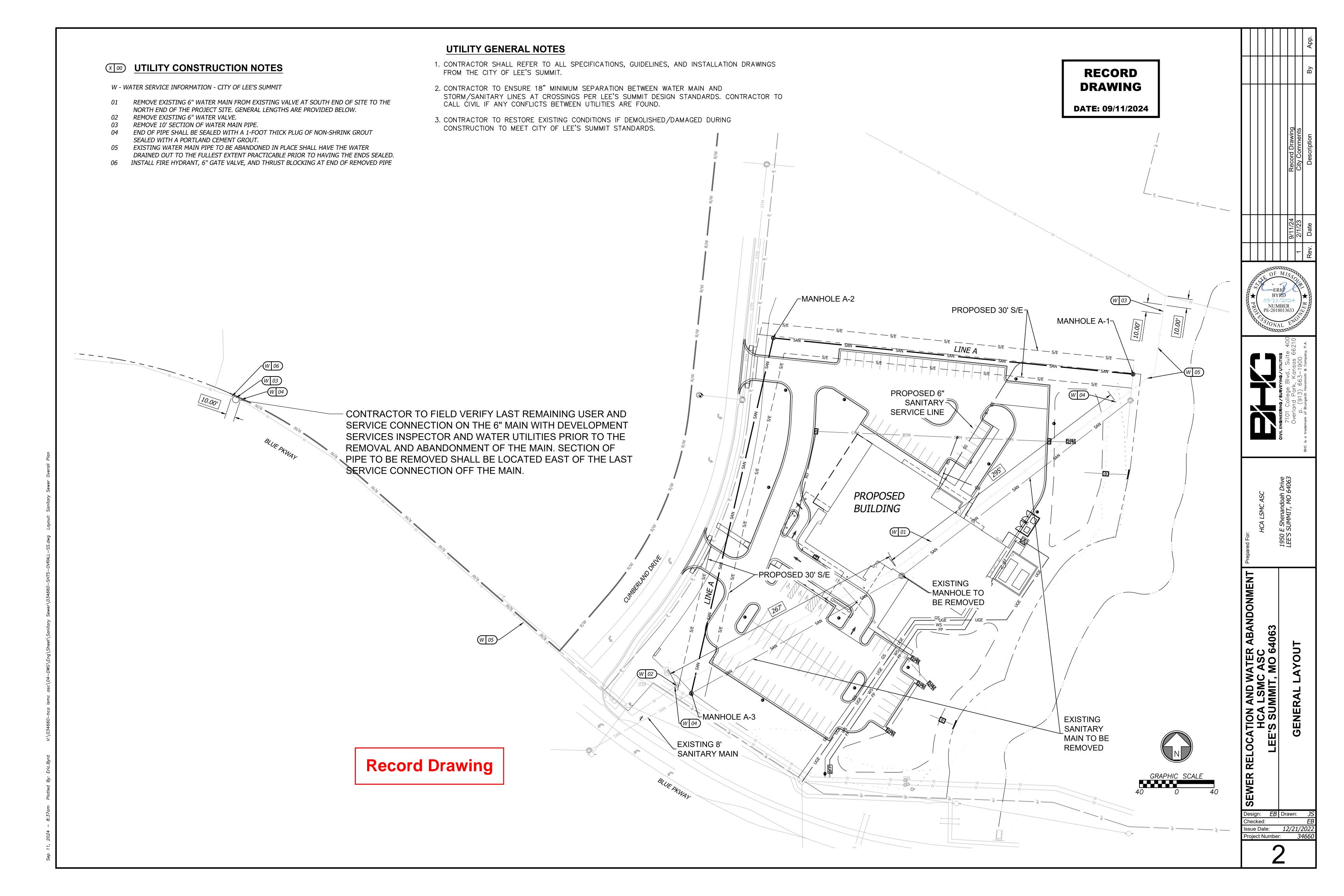
BY THE CITY OF LEE'S SUMMIT, MISSOURI.

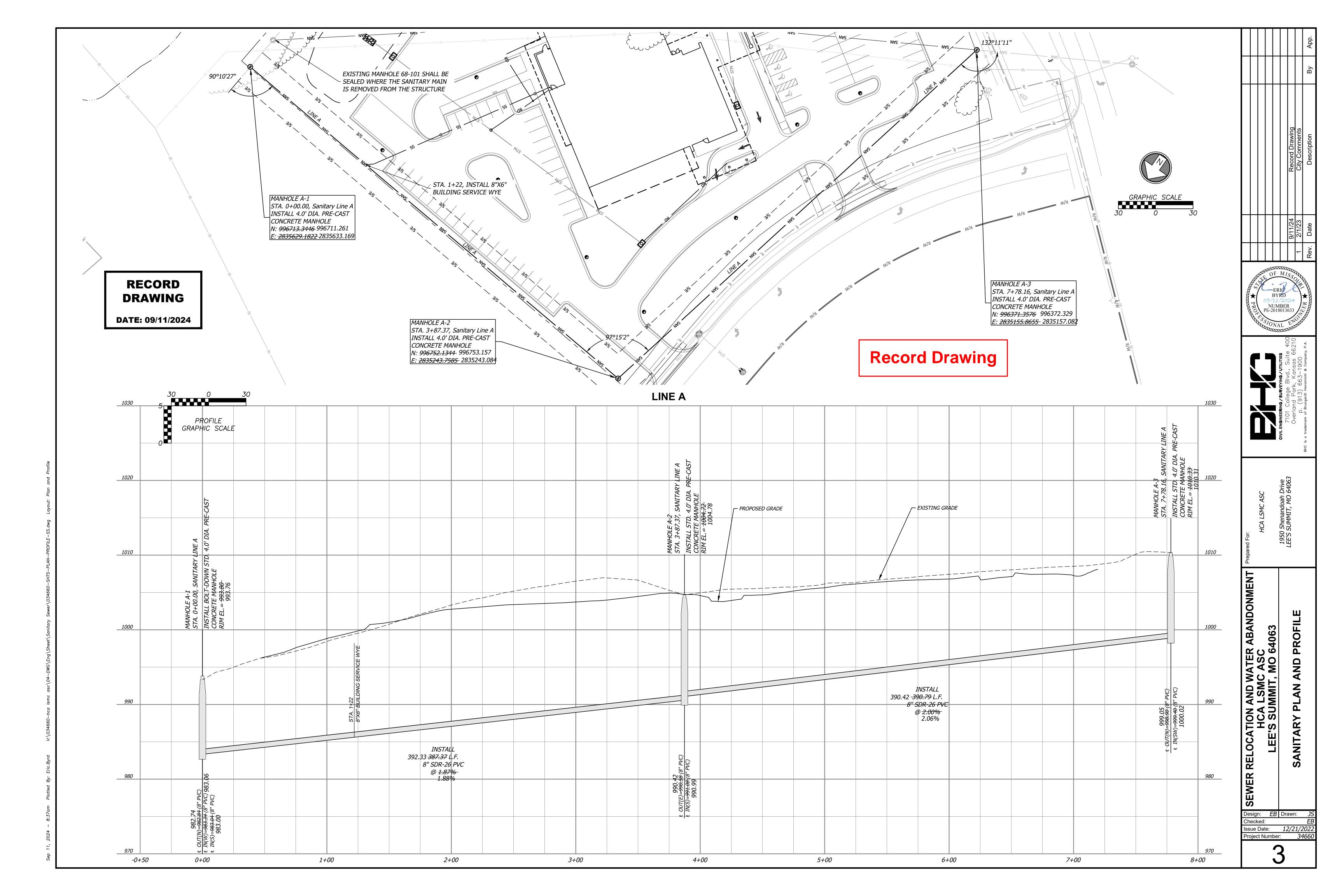
CITY ENGINEER

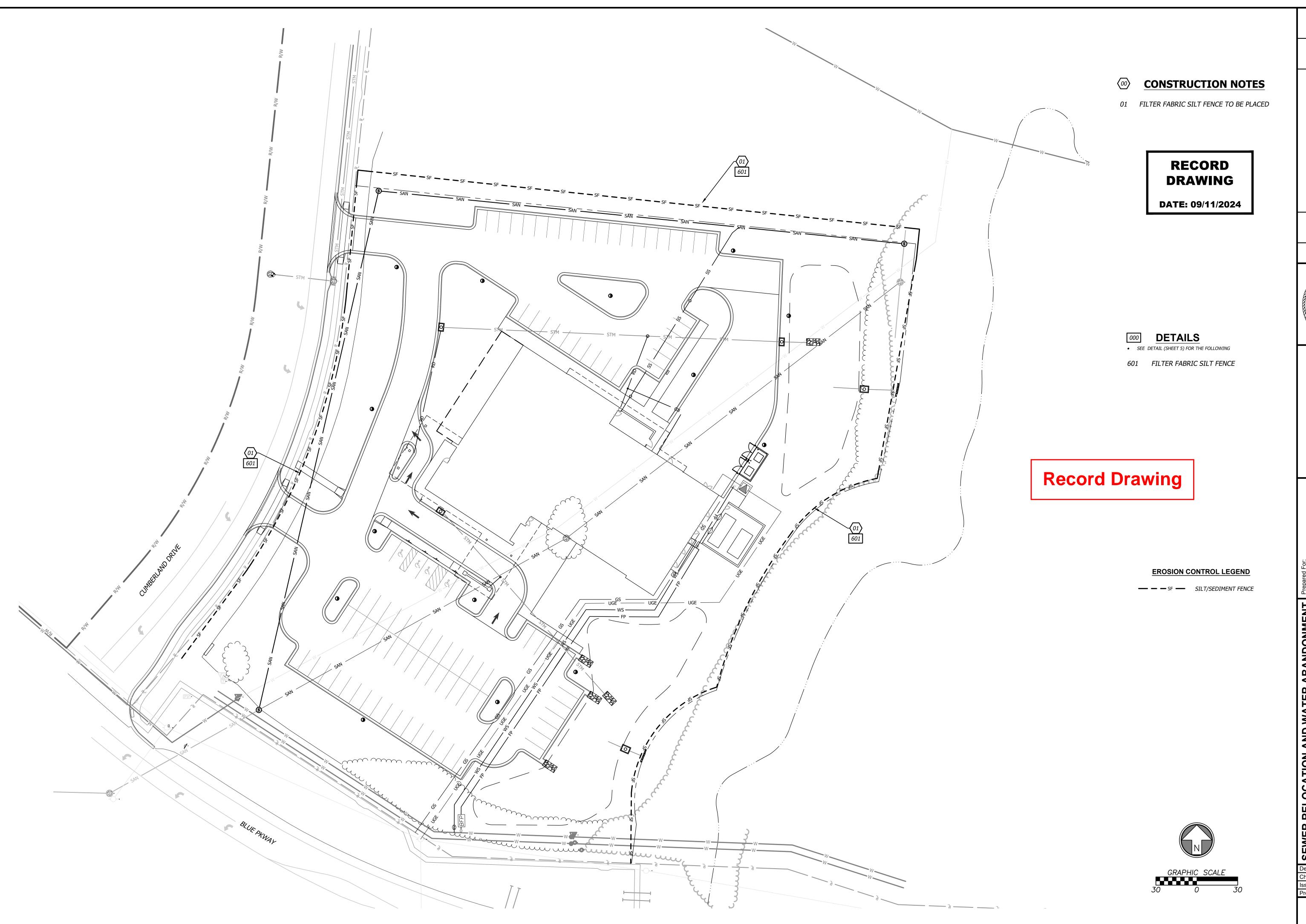
\_\_\_\_ E SEWER RELOCATION AND WATER ABANDONMENT
HCA LSMC ASC
HCA LSMC ASC
LEE'S SUMMIT, MO 64063

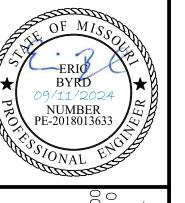
Checked: E
Issue Date: 12/21/202
Broiect Number: 3466

1



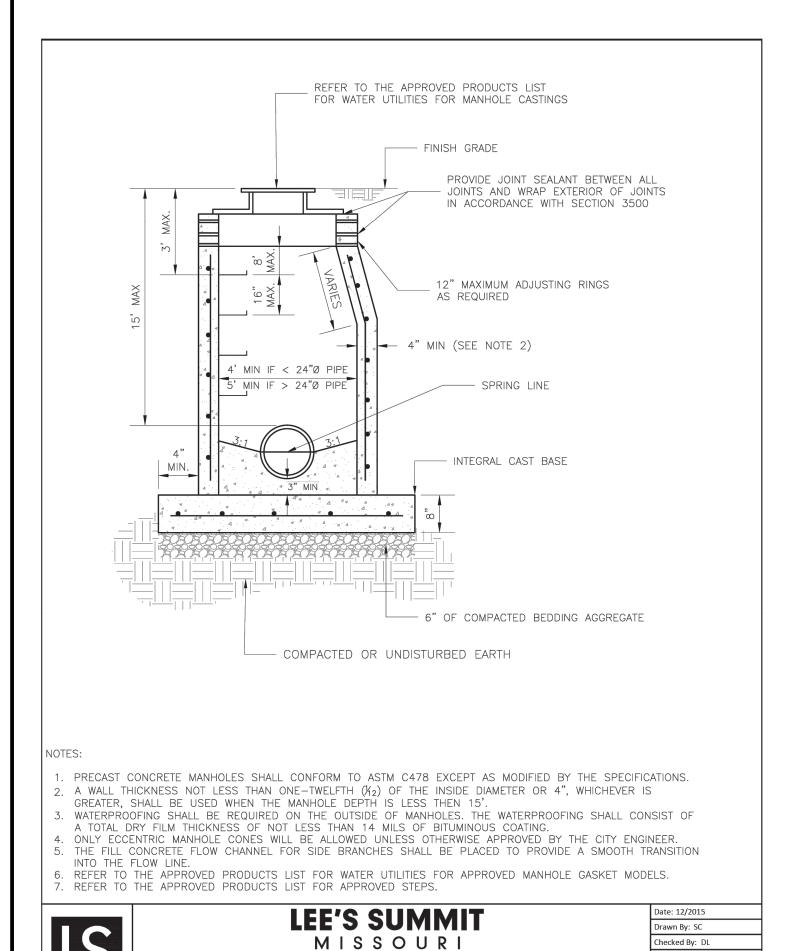






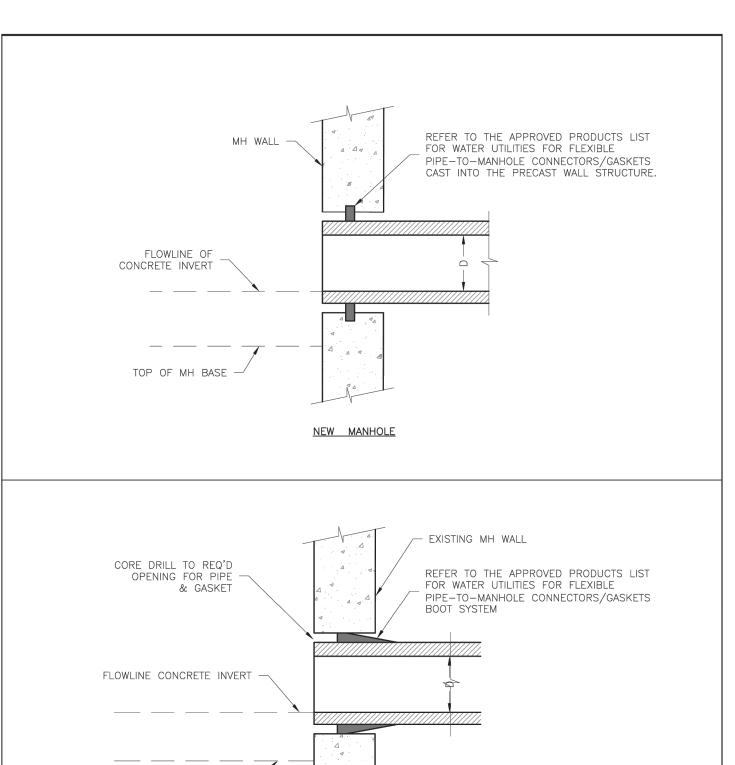
SEWER RELOCATION AND WATER ABANDONMENT HCA LSMC ASC LEE'S SUMMIT, MO 64063

Design: EB Drawn: JS
Checked: EB
Issue Date: 12/21/2022 Project Number:



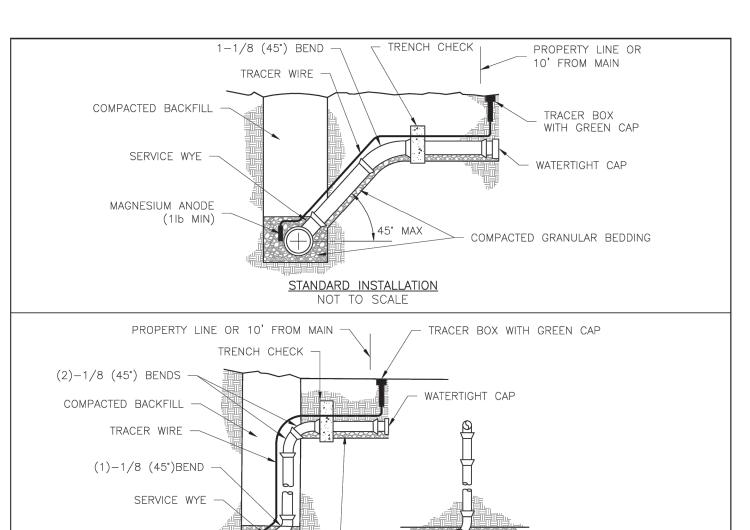
STANDARD SANITARY PRECAST MANHOLE

HORIZONTAL THRUST BLOCKS



	EXISTING MANHOLE	
	LEE'C CLIMANIT	Date: 02/2013
	LEE'S SUMMIT	Drawn By: MJF
IS	MISSOURI	Checked By: DL
	PUBLIC WORKS ENGINEERING DIVISION   220 SE GREEN STREET   LEE'S SUMMIT, MO 64063	<u> </u>
	MANHOLE WALL CONNECTION	SAN-5

TOP OF MH BASE -



# COMPACTED GRANULAR BEDDING VERTICAL RISER

SIDE VIEW

MAGNESIUM ANODE

(1lb MIN)

- NOTES:

  ALL SEWER STUBS SHALL BE CONSTRUCTED TO PROPERTY LINE OR 10' MINIMUM FROM THE MAIN, WHICHEVER IS GREATER. WHERE SIDEWALKS ARE PRESENT, CONTRACTOR SHALL EXTEND SERVICE LINE UNDER EXISTING SIDEWALK TO TWO FEET BEYOND.

  IMPERVIOUS TRENCH CHECKS SHALL BE PLACED ON BUILDING SEWER STUBS (AT LEAST 5' AWAY FROM THE SANITARY SEWER MAIN).
- 3. 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.
  4. SEE SPECIFICATION SECTION 2100 FOR SEWER MAIN BEDDING AND BACKFILL.
  5. #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.

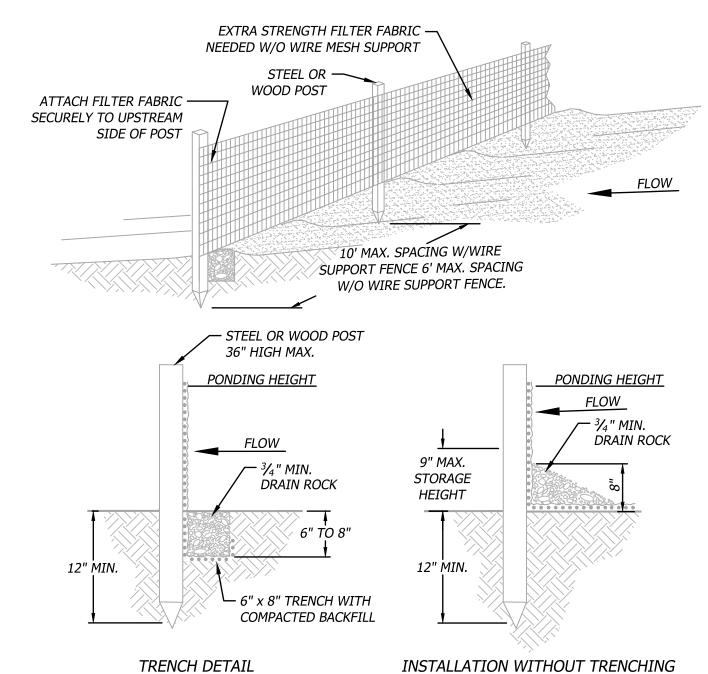
  5. FOR SERVICES, TRACER WIRE SHALL RUN FROM THE WYE AND TERMINATE IN A FLUSH MOUNTED TRACER BOX WITH A
  GREEN CAST IRON LOCKABLE TOP. WIRE SHALL BE TAPED OR TIED TO THE PIPE AT 5' INTERVALS.

  7. TRACER WIRE BOX SHALL BE INSTALLED WITHIN 1.0' OF PROPERTY LINE.

  8. THE TRACER WIRE SHALL REMAIN CONTINUOUS TO THE GREATEST EXTENT POSSIBLE. SPLICES IN THE TRACER WIRE

ECESSARY	O PREVENT CORROSION.		
		. WIRE NUTS SHALL NOT BE USED. A WATER-PROOF (	CONNECTION IS
110 100	WINE OF MEET REMAINS OF THE OUT TO	THE ONE THEO EXTENT TOOSIBLE, OF LIVES IN THE TI	WOLK WILL

Drawn By: MJF  M I S S O U R I  PUBLIC WORKS ENGINEERING DIVISION   220 SE GREEN STREET   LEE'S SUMMIT, MO 64063  SANITARY SEWER STUB DETAIL  Drawn By: MJF  Checked By: DL  SAN-1	LEE'S SUMMIT	Date: 12/2015
PUBLIC WORKS ENGINEERING DIVISION   220 SE GREEN STREET   LEE'S SUMMIT, MO 64063	LEE 3 30 MIMIT	Drawn By: MJF
CANIA	MISSOURI	Checked By: DL
SANITARY SEWER STUB DETAIL SAN-1	PUBLIC WORKS ENGINEERING DIVISION   220 SE GREEN STREET   LEE'S SUMMIT, MO 64063	
	SANITARY SEWER STUB DETAIL	SAN-1



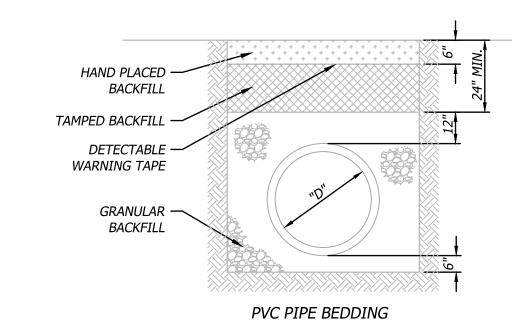
#### NOTES:

- . MUST BE INSTALLED PROPERLY TO AVOID NOTICE OF VIOLATION.
- SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE POUNDING EFFICIENCY.
   INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN
- NECESSARY. 9" MAXIMUM RECOMMENDED STORAGE HEIGHT.

  4. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE TO SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

Filter Fabric Silt Fence

## **Record Drawing**



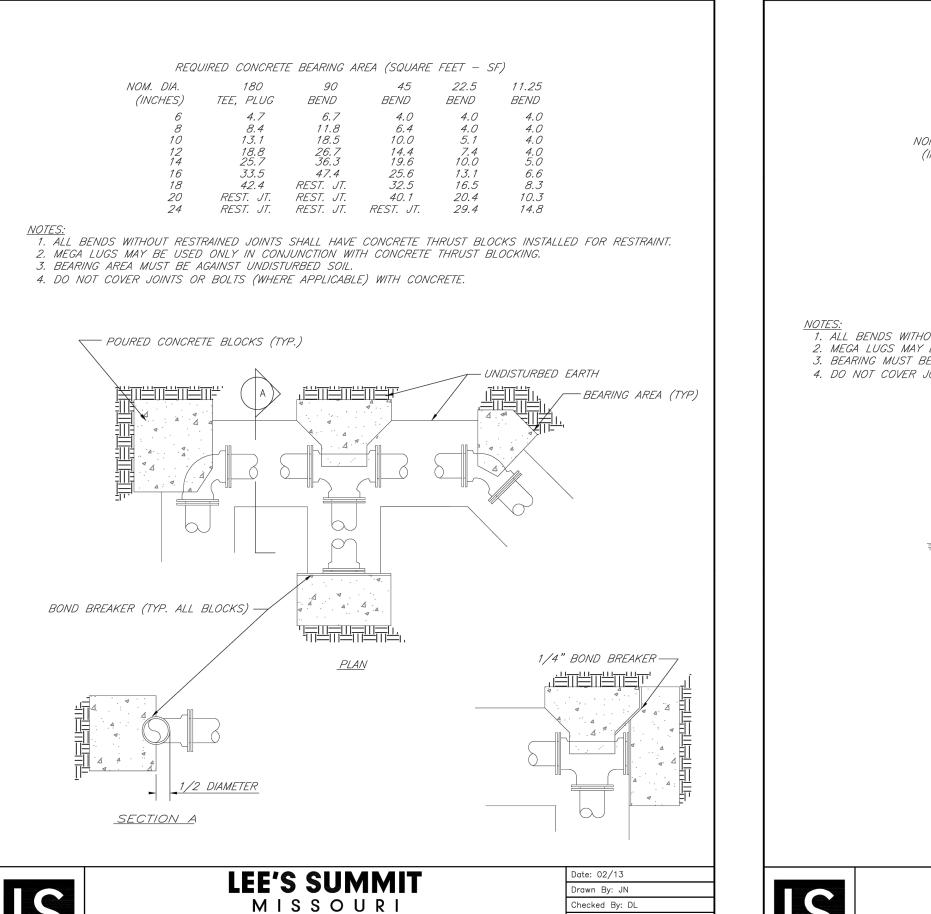
#### NOTES:

- 1. GRANULAR FILL SHALL PER APWA SECTION 2101.4.G.
- 2. TAMPED FILL SHALL BE FINELY DIVIDED, JOB EXCAVATED MATERIAL FREE OF DEBRIS, ORGANIC MATERIAL, AND STONES, COMPACTED TO MIN. 90% MAXIMUM DENSITY USING ASTM D698, LIFTS NOT EXCEEDING 6 INCHES.
- 3. HAND PLACED FILL SHALL BE FINELY DIVIDED MATERIAL, FREE OF DEBRIS AND STONES, PER APWA SECTION 2102.7. ALL PIPE SHALL BE INSPECTED PRIOR TO BACKFILL.
- 4. ALL PIPE COVERED PRIOR TO INSPECTION SHALL BE UNCOVERED AT THE CONTRACTORS EXPENSE.



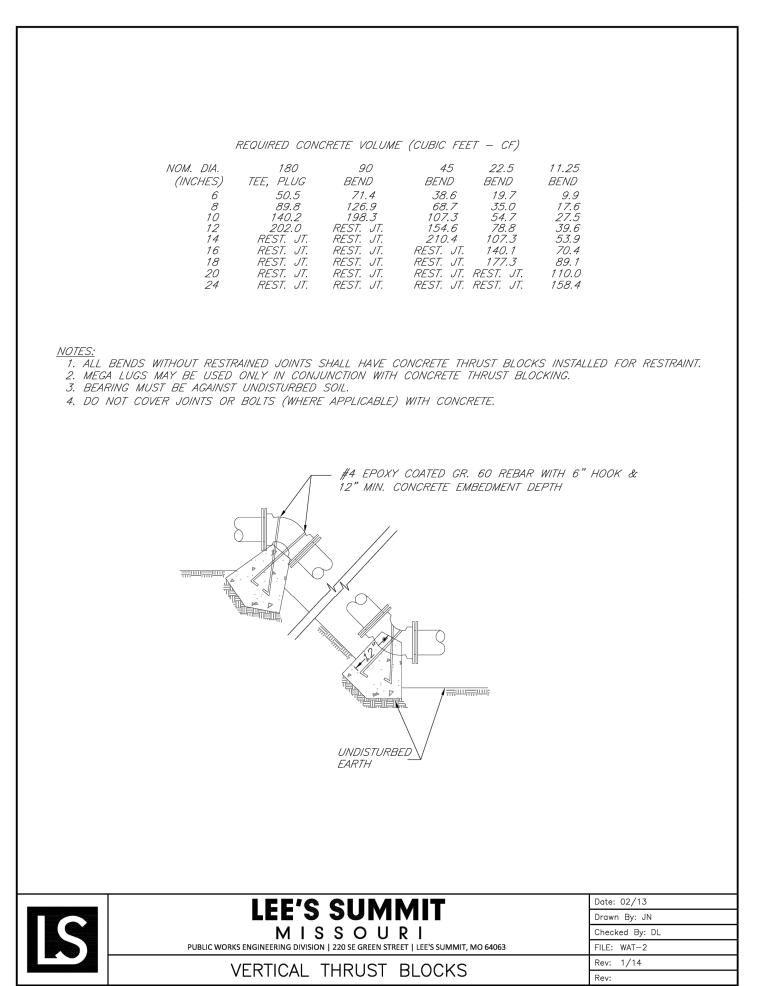
RECORD DRAWING

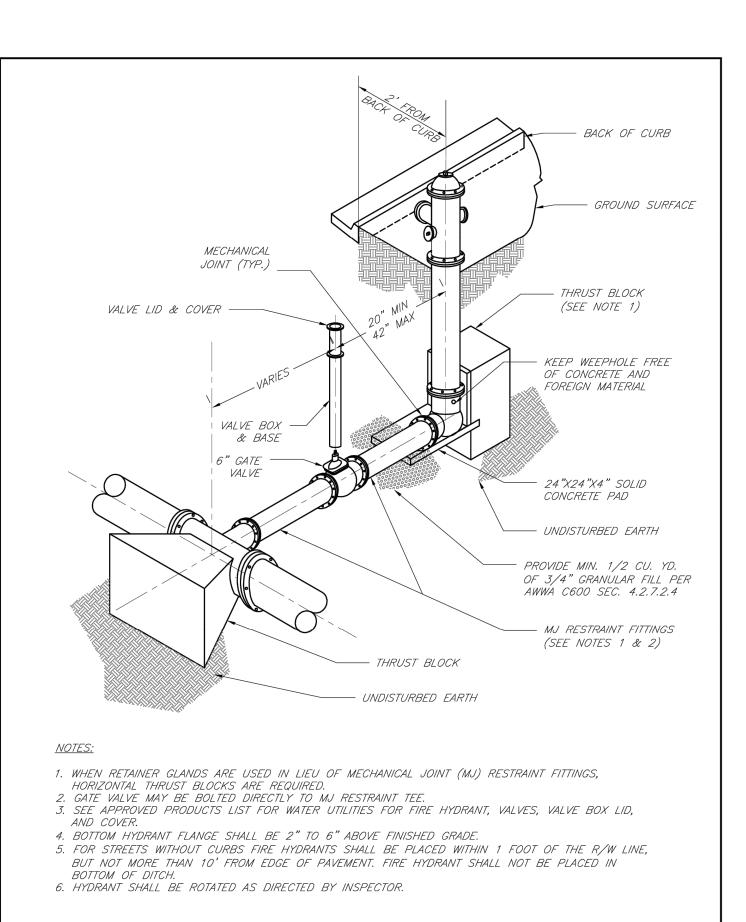
DATE: 09/11/2024



ILE: WAT-1

SAN-2





LEE'S SUMMIT	Date: 02/13
LEE 3 30 MINIT	Drawn By: JN
MISSOURI	Checked By: DL
PUBLIC WORKS ENGINEERING DIVISION   220 SE GREEN STREET   LEE'S SUMMIT, MO 64063	FILE: WAT-7
HYDRANT INSTALLATION — STRAIGHT SET	Rev: 1/14
HIDRANI INSTALLATION - STRAIGHT SET	Rev:

andoah Drive

CIVIL ENGINEERING / SURVEYING / UTILITIES

TOTO College Blvd., Suite 400

Overland Park, Kansas 66210

p. (913) 663–1900

BHC is a trademark of Brungardt Honomich! & Company. P.A.

-ERIO

BYRD

NUMBER

ABANDONMENT

HCA LSMC A:

HCA LSMC A:

1950 Shenandoal
LEE'S SUMMIT, MC

EE'S SUMMIT, MO 64063
NITARY SEWER DETAILS

Design: EB Drawn: J
Checked: E
Issue Date: 12/21/202
Project Number: 3466

Date: 12/2 ct Number: