# SE 5TH STREET NW 1/4 NE 1/4 PROJECT LOCATION HWY 50 SW 1/4 SE 1/4

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

### PL2023002

PRSUBD20230660

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

# **SECTION MAP**

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

### **UTILITY CONTACTS**

PLANNING AND DEVELOPME 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

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

FAX: (816) 969-1809

CODES ADMINISTRATION
CITY HALL
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

<u>GAS COMPANY</u> MISSOURI GAS ENERGY TEL: (816) 756-5252 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

## RELEASED FOR CONSTRUCTION As Noted on Plan Review

Development Services Department Lee's Summit, Missouri 02/24/2023

### PREPARED & SUBMITTED BY: BHC RHODES

BHC RHODES
OVERLAND PARK, KANSAS

ERIC BYRD, P.E.

02/01/2023
DATE

### APPROVED:

BY THE CITY OF LEE'S SUMMIT, MISSOURI.

CITY ENGINEER

DATE

Dig Safely.
Missouri One-Call
1-800-344-7483

potholing/surveying shall be subsidiary to other bid items.

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

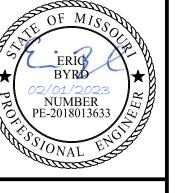
companies and verifying the actual field locations of all utilities prior to any

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, 1 2/1/23 City Comments
Rev. Date Description By

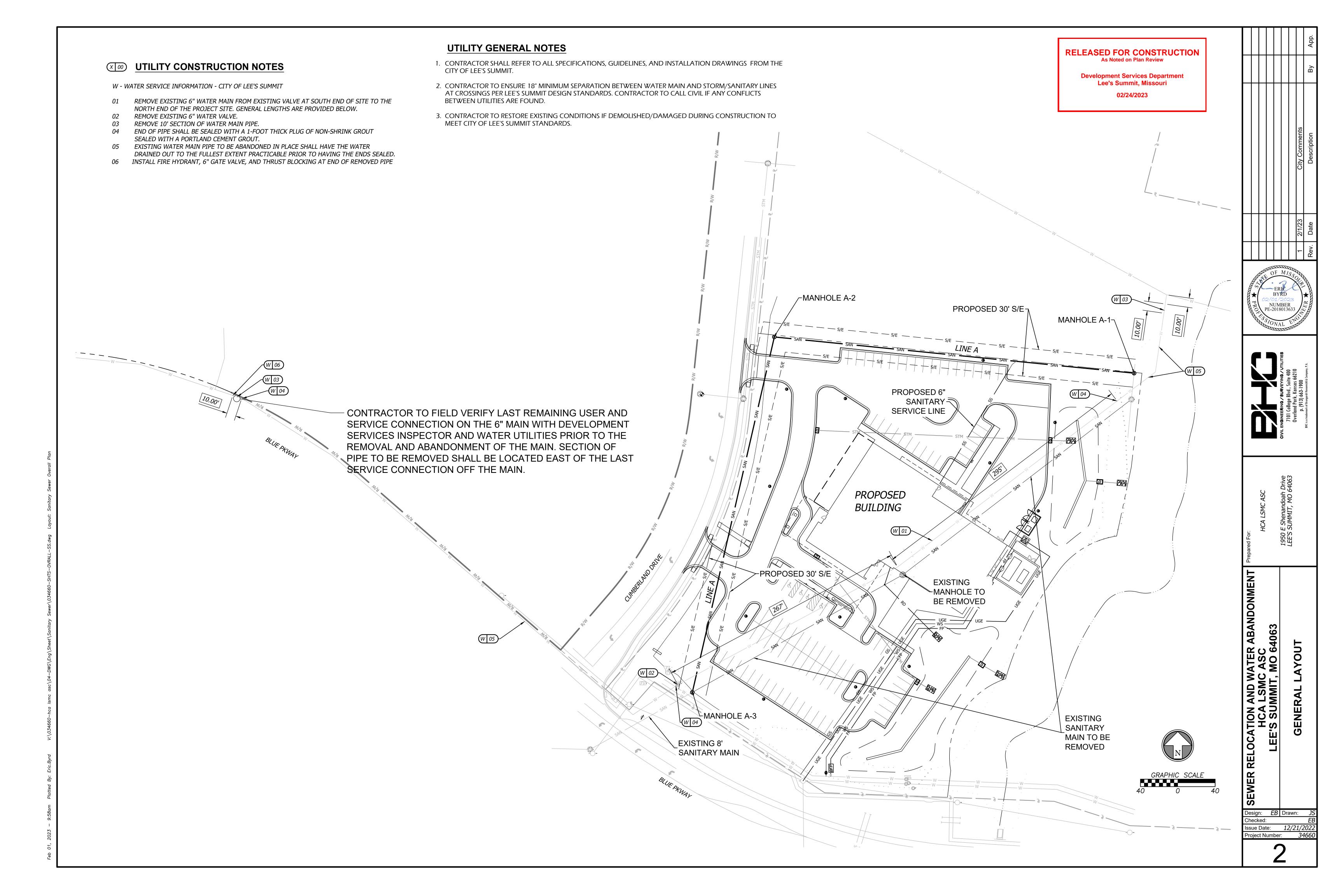


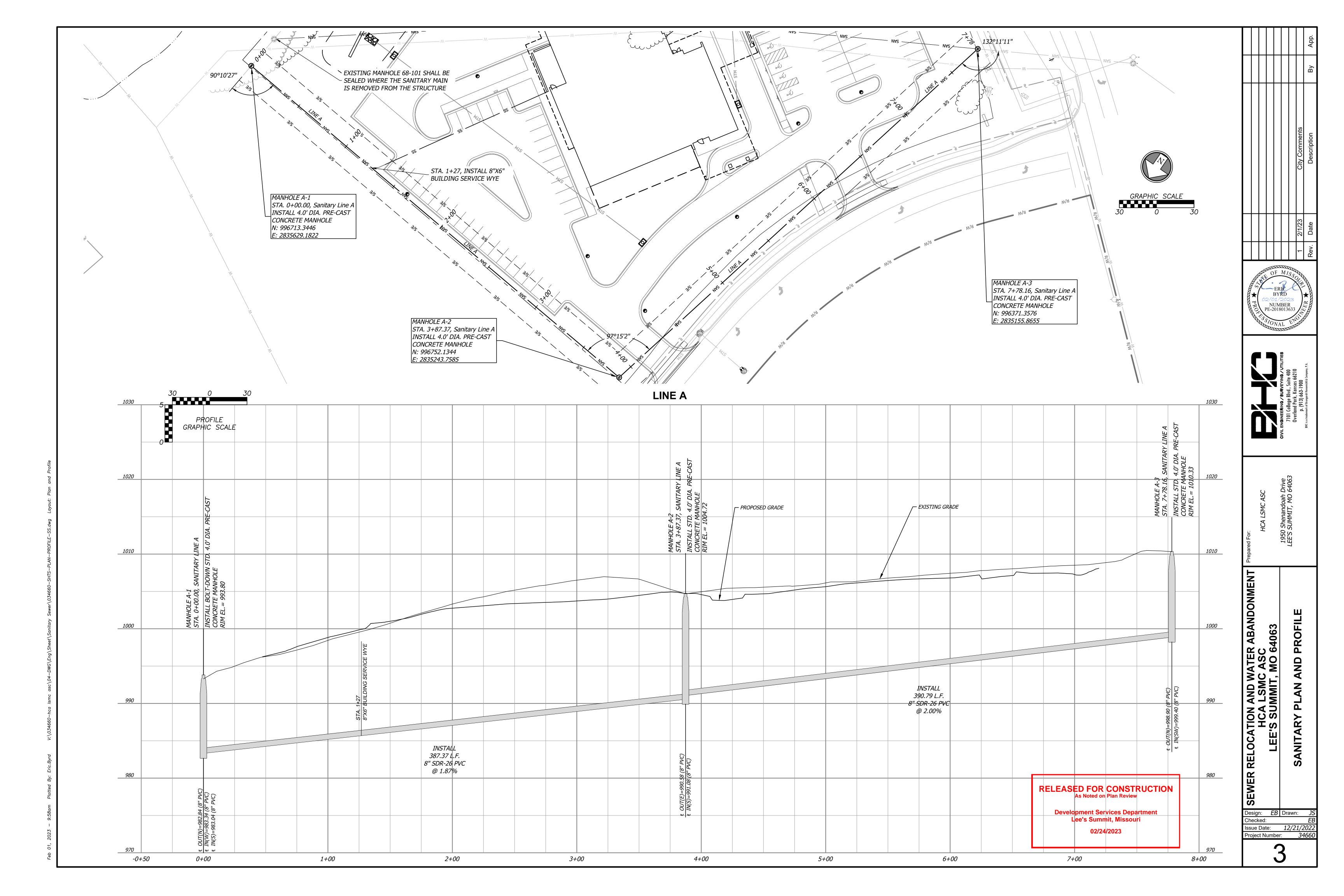


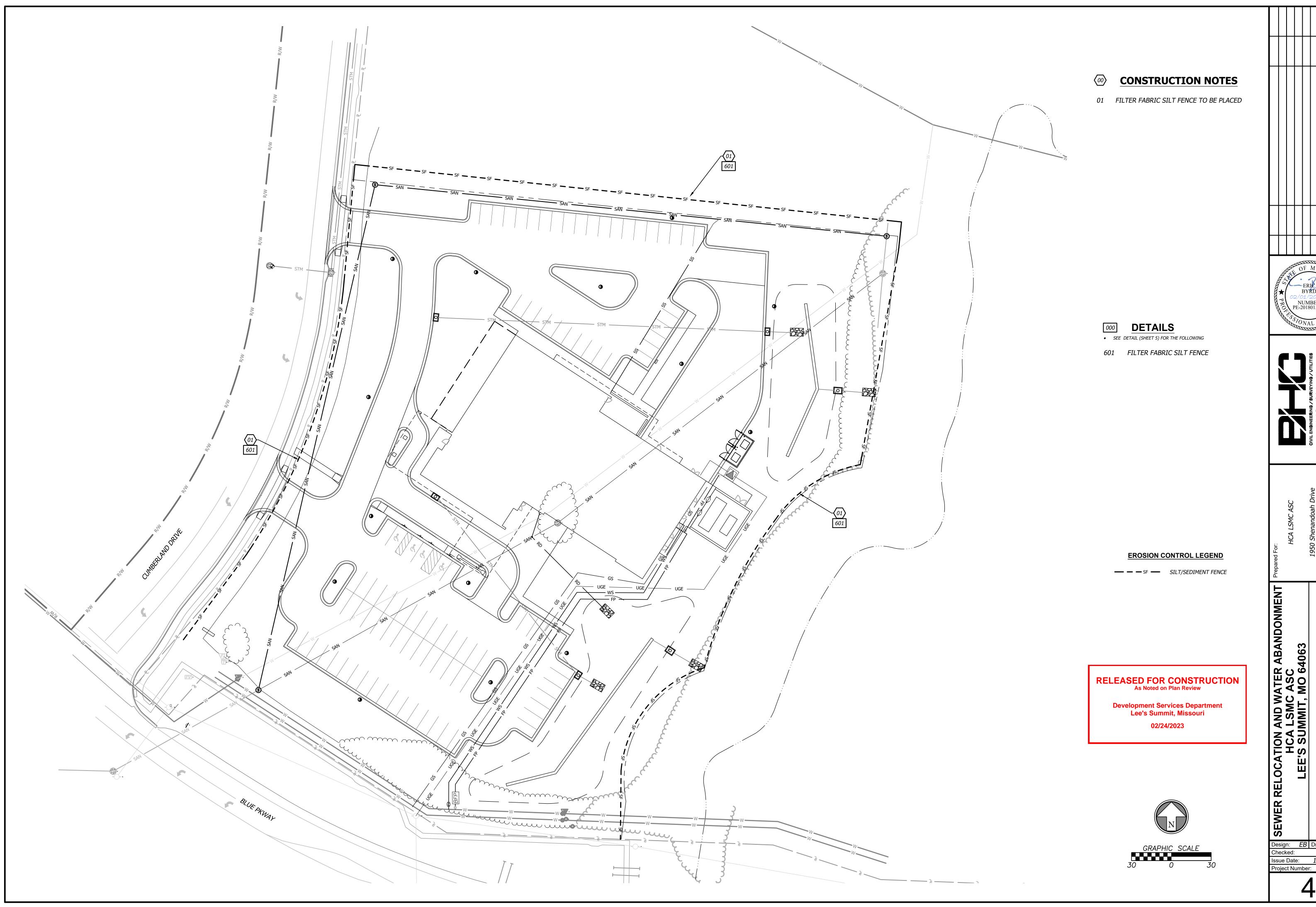
HCA LSMC ASC 1950 SE Shenandoah Drive I FF'S SI IMMIT MO 64063

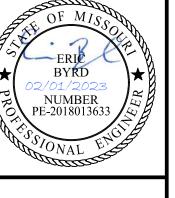
SEWER RELOCATION AND WATER ABANDONMENT
HCA LSMC ASC
LEE'S SUMMIT, MO 64063

Design: EB Drawn: JS
Checked: EE
Issue Date: 12/21/2022
Project Number: 34660



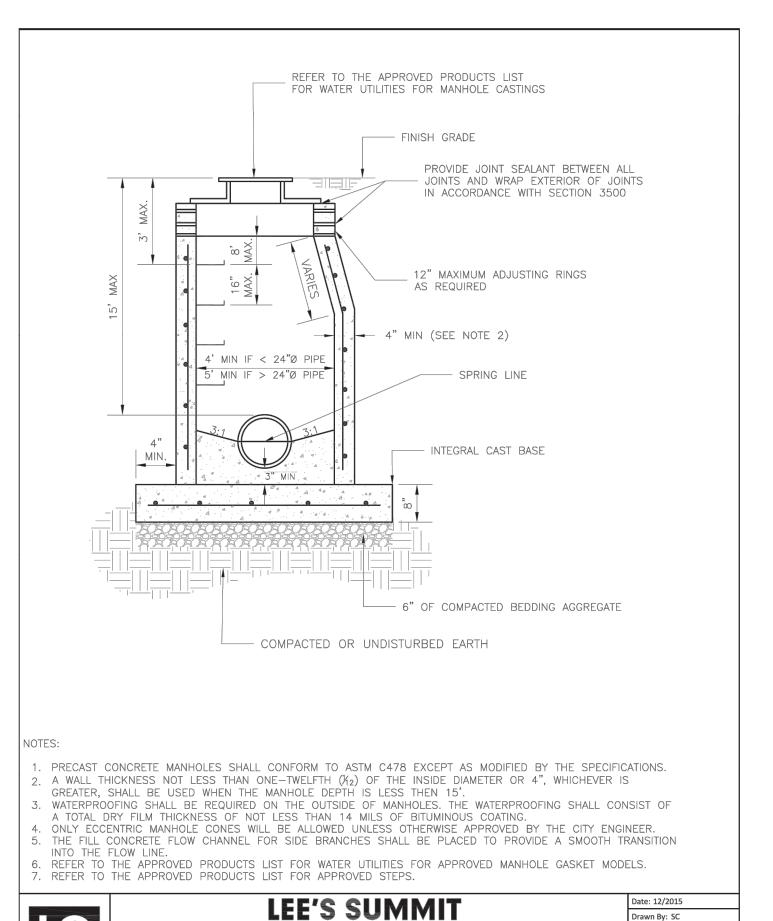






**EROSION CONTROL PLAN** 

Design: *EB* Drawn: Issue Date: 12/21/2022
Project Number: 34660



MISSOURI

STANDARD SANITARY PRECAST MANHOLE

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Drawn By: JN

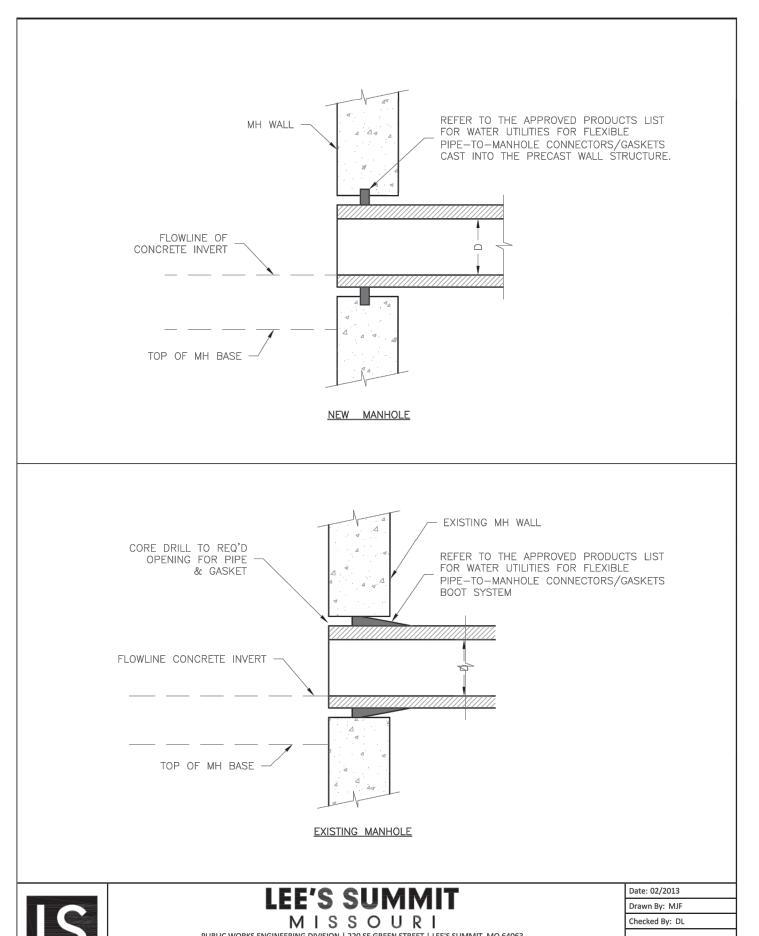
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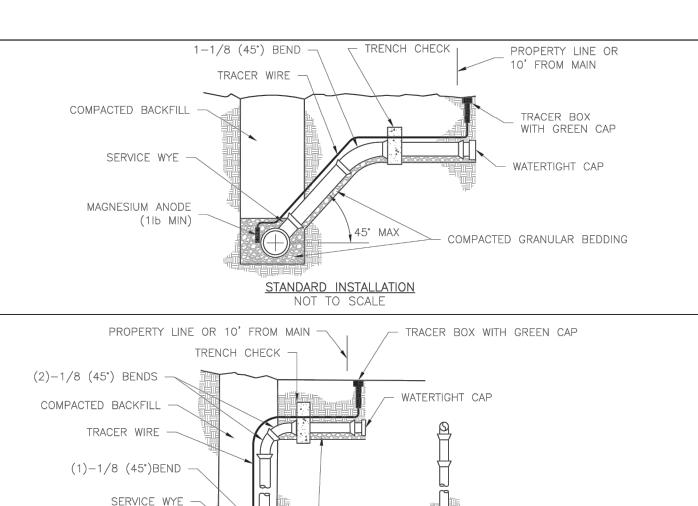
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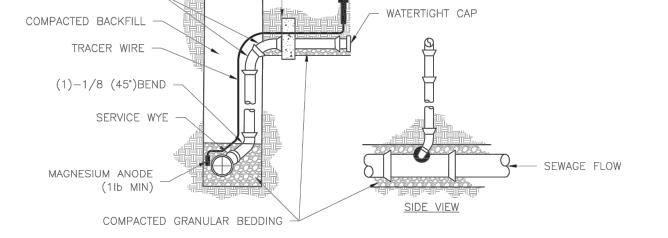
SAN-2



MANHOLE WALL CONNECTION

SAN-5





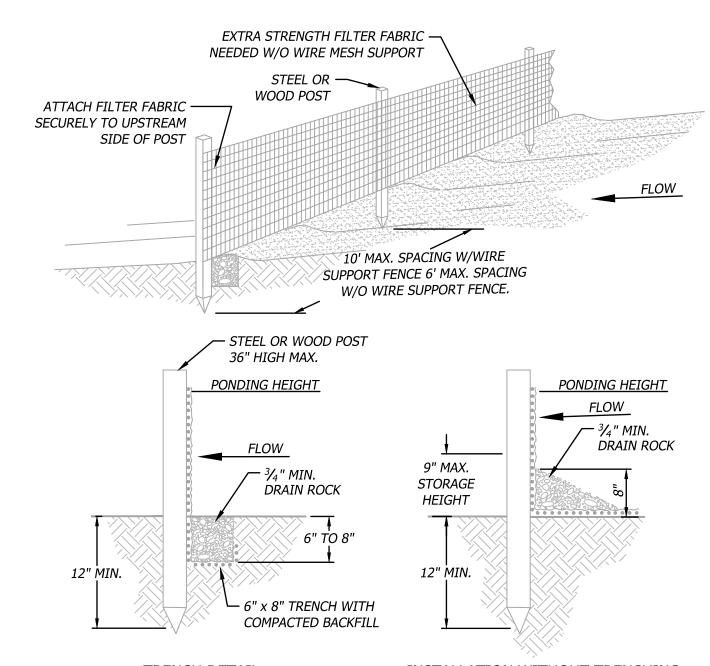
. ALL SEWER STUBS SHALL BE CONSTRUCTED TO PROPERTY LINE OR 10' MINIMUM FROM THE MAIN, WHICHEVER IS GREATER. WHERE SIDEWALKS ARE PRESENT, CONTRACTOR SHALL EXTEND SERVICE LINE UNDER EXISTING SIDEWALK TO !. IMPERVIOUS TRENCH CHECKS SHALL BE PLACED ON BUILDING SEWER STUBS (AT LEAST 5' AWAY FROM THE SANITARY SEWER MAIN).

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

B. 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

	SANITARY SEWER STUB DETAIL	SAN-1
	MISSOURI	Checked By: DL
	LEE'S SUMMIT	Drawn By: MJF
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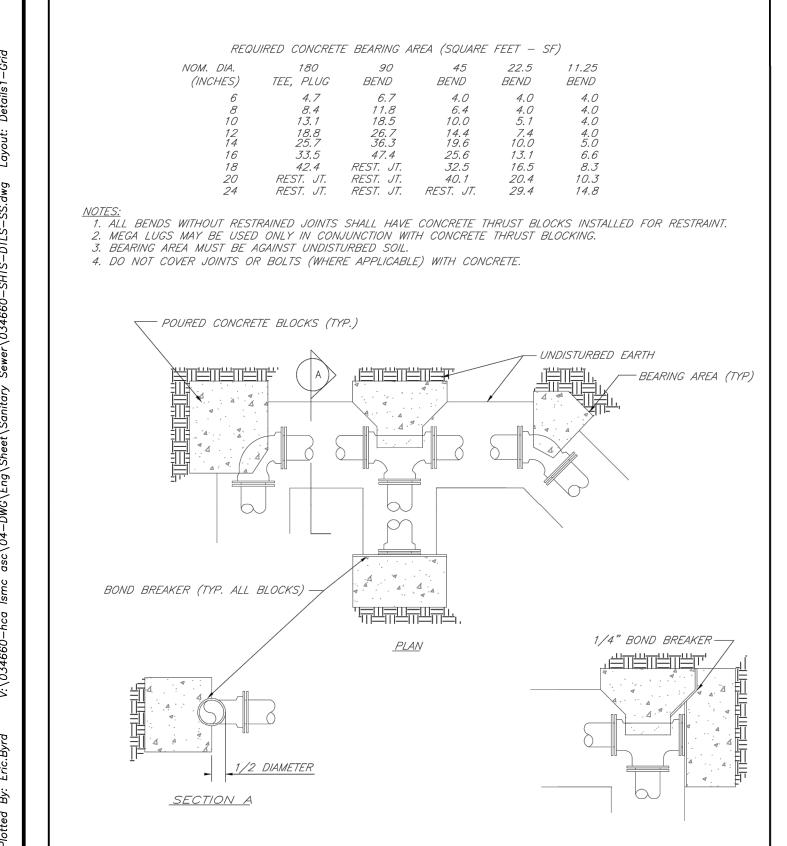


TRENCH DETAIL

INSTALLATION WITHOUT TRENCHING

- MUST BE INSTALLED PROPERLY TO AVOID NOTICE OF VIOLATION.
- 2. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE POUNDING EFFICIENCY. 3. 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.

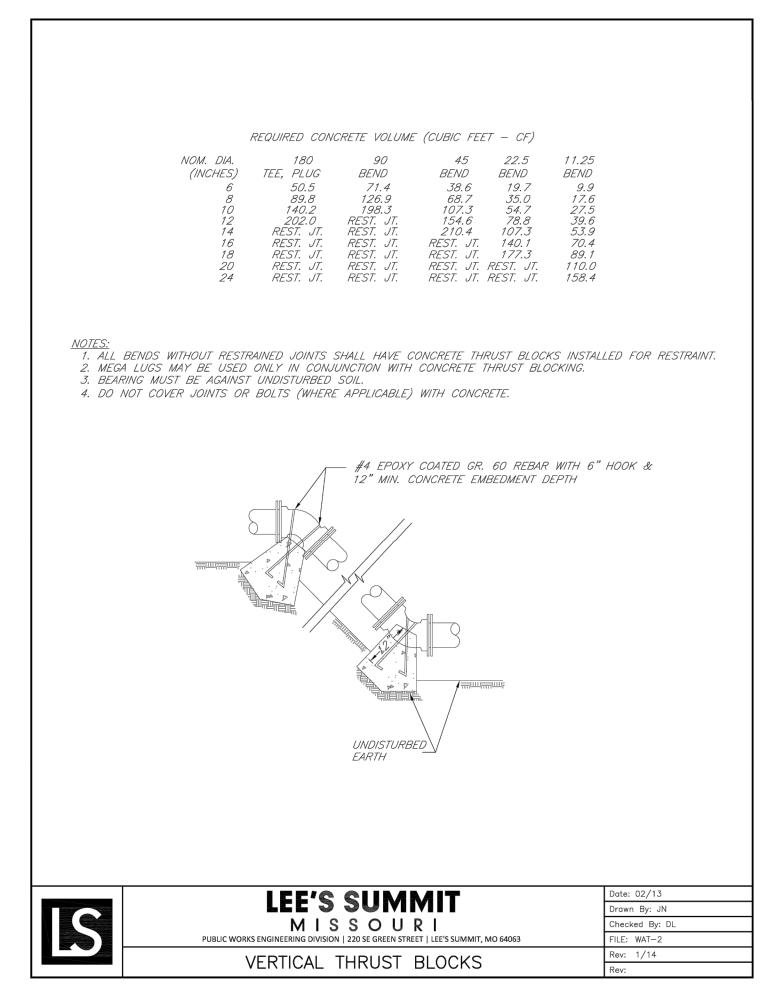
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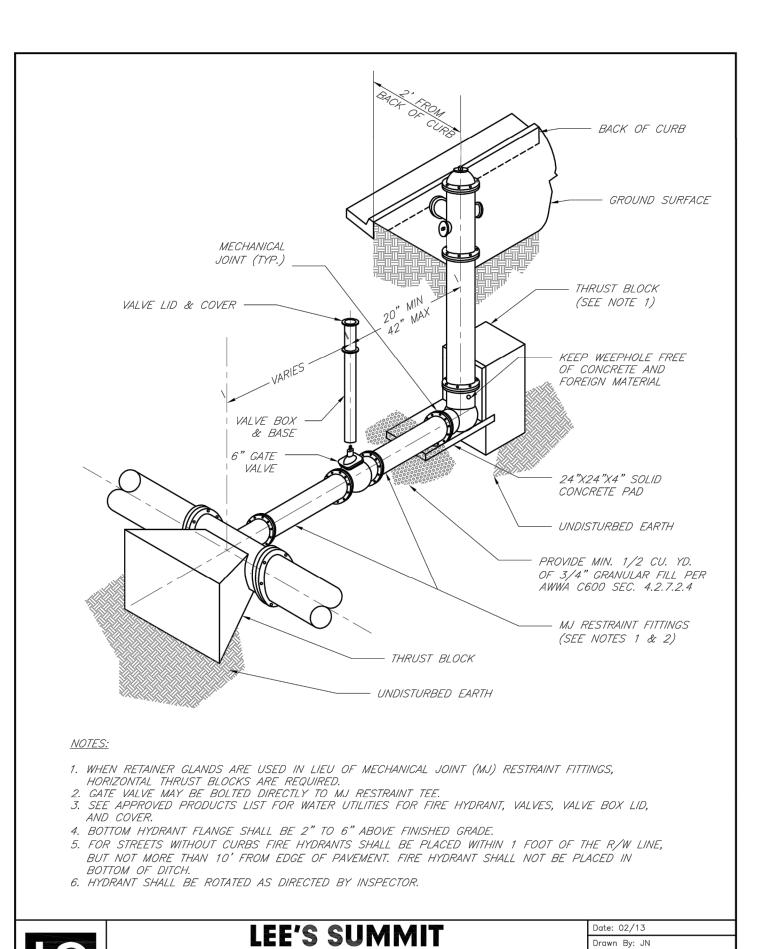


**LEE'S SUMMIT** 

MISSOURI

HORIZONTAL THRUST BLOCKS





MISSOURI

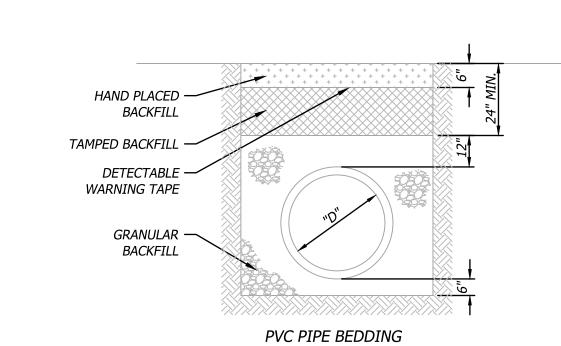
HYDRANT INSTALLATION - STRAIGHT SET

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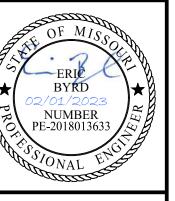


- 1. GRANULAR FILL SHALL PER APWA SECTION 2101.4.G.
- 2. TAMPED FILL SHALL BE FINELY DIVIDED, JOB EXCAVATED MATERIAL FREE OF DEBRIS, ORGANIC MATERIAL, AND STONES, COMPACTED TO MIN. 90% MAXIMUM DENSITY USING ASTM D698, LIFTS NOT EXCEEDING 6 INCHES.
- 3. HAND PLACED FILL SHALL BE FINELY DIVIDED MATERIAL, 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.



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> **Development Services Department** Lee's Summit, Missouri 02/24/2023



**ABANDONMENT** 

DETAIL WATER IC ASC I, MO 64 

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