## LAKEWOOD BUSINESS CENTER ON I-470 - PLAT S

# SANITARY SEWER CONSTRUCTION PLANS

Part of Section 20, Township 48 N, Range 31 W LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

### Accepted **Record Drawings**

These plans have been reviewed for accuracy and are accepted for basic conformance to the approved construction drawings.

#### **CONSTRUCTION AND DESIGN NOTES:**

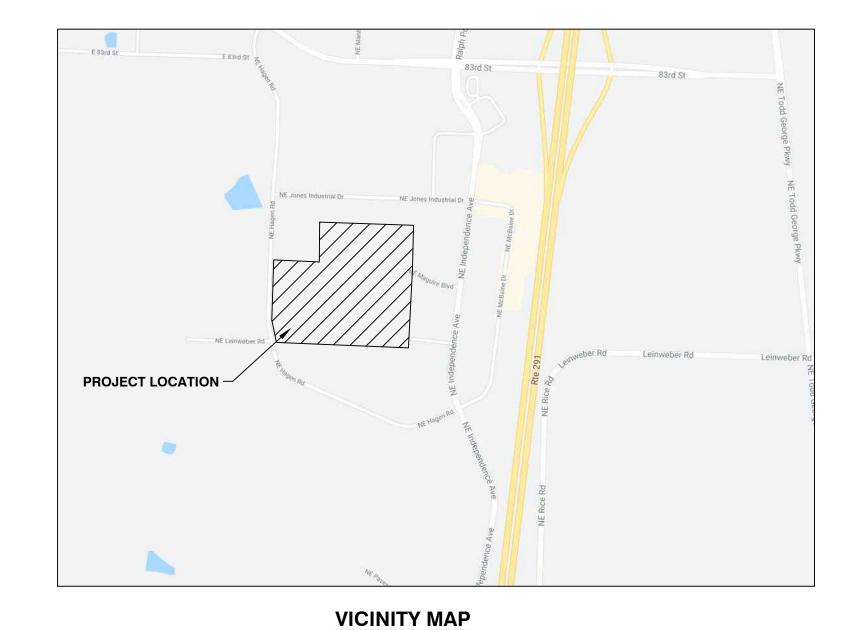
- 6. FILL AREAS SHALL HAVE 3 FEET OF COMPACTED FILL IN PLACE PRIOR TO TRENCHING
- 7. A TRENCH CHECK CONSISTING OF FLOWABLE FILL MUST BE INSTALLED ON EVERY PRIVATE LATERAL

#### **GENERAL NOTES:**

**UTILITY NOTE:** 

#### LEGAL:

CORNER OF LOT 23B. OF LAKEWOOD BUSINESS CENTER ON I-470, LOTS 23A AND 24B. SUBDIVISION IN SAID CITY OF LEE'S SUMMIT. SAID POINT BEING ON THE NORTH RIGHT-OF-WAY LINE OF N MAGUIRE BOULEVARD, AS NOW ESTABLISHED; THENCE ALONG SAID NORTH RIGHT-OF-WAY LINE, ALONG A CURVE TO THE LEFT, HAVING A RADIUS OF 530.00 FEET, A CURVE LENGTH OF 51.21 FEET, CHORD BEARING OF NORTH 77°13'19" WEST, AND A CHORD LENGTH OF 51.19 FEET, TO THE NORTHWESTERN CORNER OF SAID NE MAGUIRE BOULEVARD; THENCE ALONG WEST END OF SAID NE MAGUIRE BOULEVARD, SOUTH 10°00'36" WEST, 60.00 FEET, TO THE SOUTHWESTERN CORNER OF SAID NE MAGUIRE BOULEVARD; THENCE NORTH 79°57'09" WEST. 146.05 FEET: THENCE ALONG A CURVE THE LEFT. HAVING A RADIUS OF 30.00. A CURVE LENGTH OF 47.12 FEET. CHORD BEARING OF SOUTH 55°02'51" WEST. AND A CHORD LENGTH OF 42.43 FEET; THENCE SOUTH 10°02'51" WEST, 21.08 FEET; THENCE NORTH 79°57'09" WEST, 60.00 FEET; THENCE NORTH 10°02'51" EAST, 17.07 FEET; THENCE ALONG A CURVE TO THE LEFT, HAVING A RADIUS OF 30.00 FEET, A CURVE LENGTH OF 51.14 FEET, A CHORD BEARING OF NORTH 38°47'01" WEST, AND A CHORD LENGTH OF 45.17 FEET: THENCE ALONG A COMPOUND CURVE TO THE LEFT. HAVING A RADIUS OF 480.00 FEET, A CURVE LENGTH OF 6.44 FEET, A CHORD BEARING OF NORTH 87°59'57" WEST, AND A CHORD LENGTH OF 6.44 FEET; THENCE NORTH 88°23'00" WEST, 934.92 FEET; THENCE ALONG A CURVE TO THE LEFT, HAVING A RADIUS OF 25.00 FEET, A CURVE LENGTH OF 39.07 FEET, A CHORD BEARING OF SOUTH 46°50'51" WEST, AND A CHORD LENGTH OF 35.21 FEET, TO A POINT ON THE EAST RIGHT-OF-WAY LINE OF NE HAGEN ROAD, AS NOW ESTABLISHED; THENCE ALONG SAID EAST RIGHT-OF-WAY LINE, NORTH 02°04'42" EAST, 84.80 FEET, TO THE SOUTHWEST CORNER OF LOT 27, LAKEWOOD BUSINESS CENTER ON I-470 PLAT K, A SUBDIVISION IN SAID CITY OF LEE'S SUMMIT; THENCE ALONG THE SOUTH LINE OF SAID LOT 27, SOUTH 88°23'00" EAST, 404.01 FEET, TO THE SOUTHEAST CORNER THEREOF; THENCE ALONG THE EAST LINE OF SAID LOT 27, NORTH 01°38'44" EAST, 370.07 FEET, TO THE SOUTHWEST CORNER OF TRACT C, LAKEWOOD BUSINESS CENTER ON I-470 - PLAT R, A SUBDIVISION IN SAID CITY OF LEE'S SUMMIT; THENCE ALONG THE SOUTH LINE OF SAID TRACT C, SOUTH 88°21'07" EAST, 889.46 FEET, TO THE SOUTHEAST CORNER THEREOF AND BEING A POINT ON THE WEST LINE OF SAID LAKEWOOD BUSINESS CENTER ON 1-470. LOTS 23A AND 23B; THENCE ALONG SAID WEST LINE, SOUTH 01°47'11" WEST, 415.53 FEET, TO THE POINT OF BEGINNING AND CONTAINS 9.49 ACRES, MORE OR LESS.





#### CALL BEFORE YOU DIG 1-800-DIG-RITE **UTILITY CONTACTS:**

CITY OF LEE'S SUMMIT WATER UTILITIES

THE UTILITIES AS SHOWN IN THESE DRAWINGS WERE DEVELOPED FROM THE INFORMATION AVAILABLE. IT IS NOT IMPLIED NOR INTENDED TO BE THE COMPLETE INVENTORY OF UTILITIES IN THIS AREA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES (WHETHER SHOWN OR NOT) AND PROTECT SAID UTILITIES FROM ANY DAMAGE.

**EVERGY** 816-471-5275 800-582-1234 COMCAST 816-795-1100 AT&T 816-325-5610 **SPECTRUM** 816-358-5360 CITY OF LEE'S SUMMIT PUBLIC WORKS 816-969-1800 CITY OF LEE'S SUMMIT PUBLIC WORKS INSPECTIONS 816-969-1800

816-969-1900

#### **SHEET INDEX:**

**OVERALL LAYOUT PLAN** 411 **PLAN & PROFILE DETAILS** 

#### **BENCHMARK:**

#### **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 IN ACCORDANCE TO AASHTO STANDARDS.

SIGNATURE		DATE	
CITY OF L	EE'S SU	MMIT, MISS	0
APPROVED	DATE:		
BY:			
ے · · · <u></u>			

Engineering: MO 4 / KS 241 Land Surveying: MO 123 / KS 36

GRAIN VALLEY, MO 64029

(816) 229-8115

JADRIENNE S. RODELL-TIPTON NUMBER PE 2021032725	
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Jadrienne S. Rodell-Tipton. PE PE-2021032725 (MISSOURI #) epared by Powell CWM, Inc. This drawing is ovided as an instrument of service by owell CWM, Inc.and is intended for use on is project only. Pursuant to the Architectural orks. Copyright Protection Act of 1990, all rawings, specifications, ideas and designs, cluding the overall form, arrangement and nposition of spaces and elements appearing ein constitute the original, copyrighted work nout prior written consent of Powell CWM 

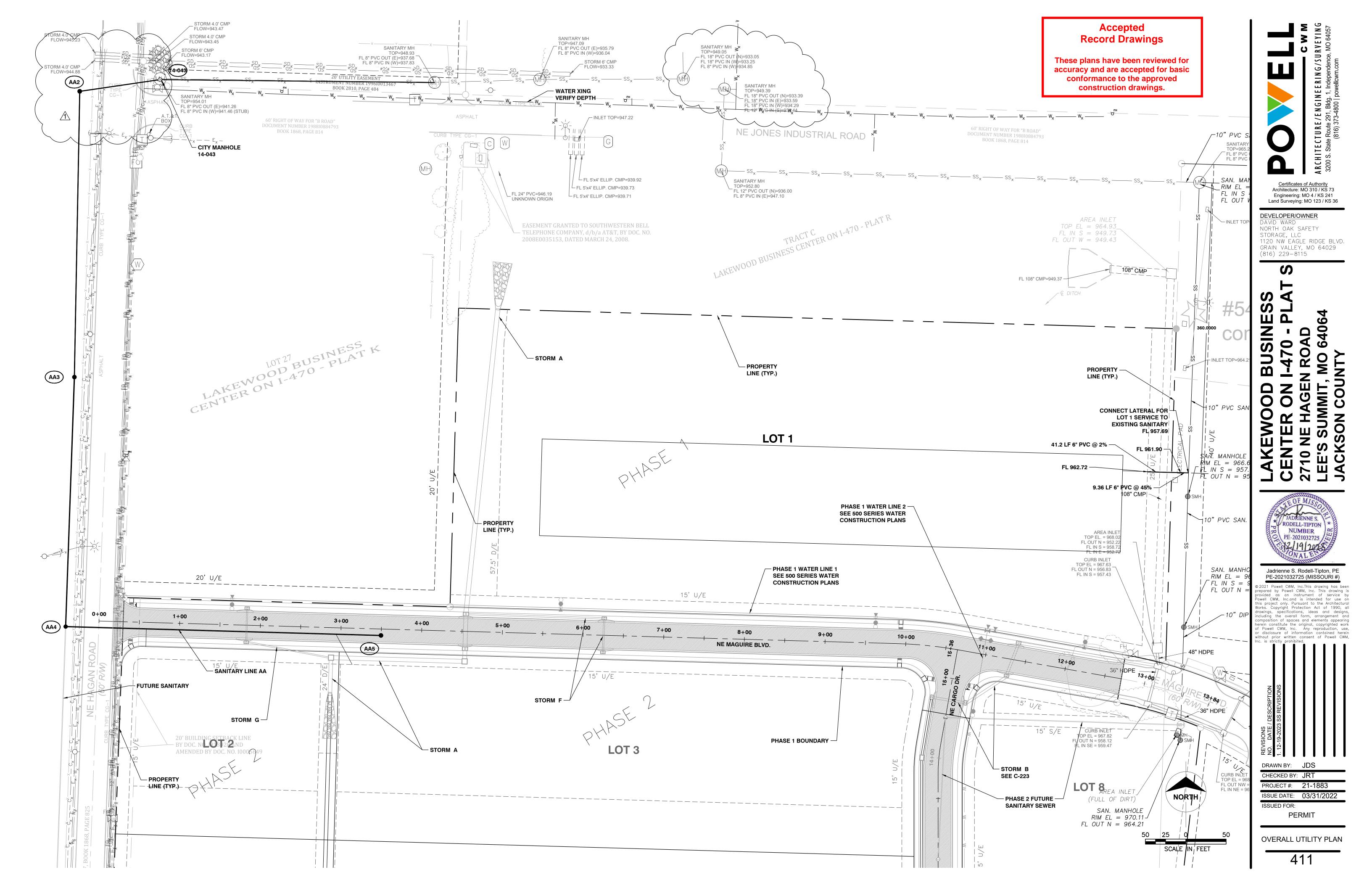
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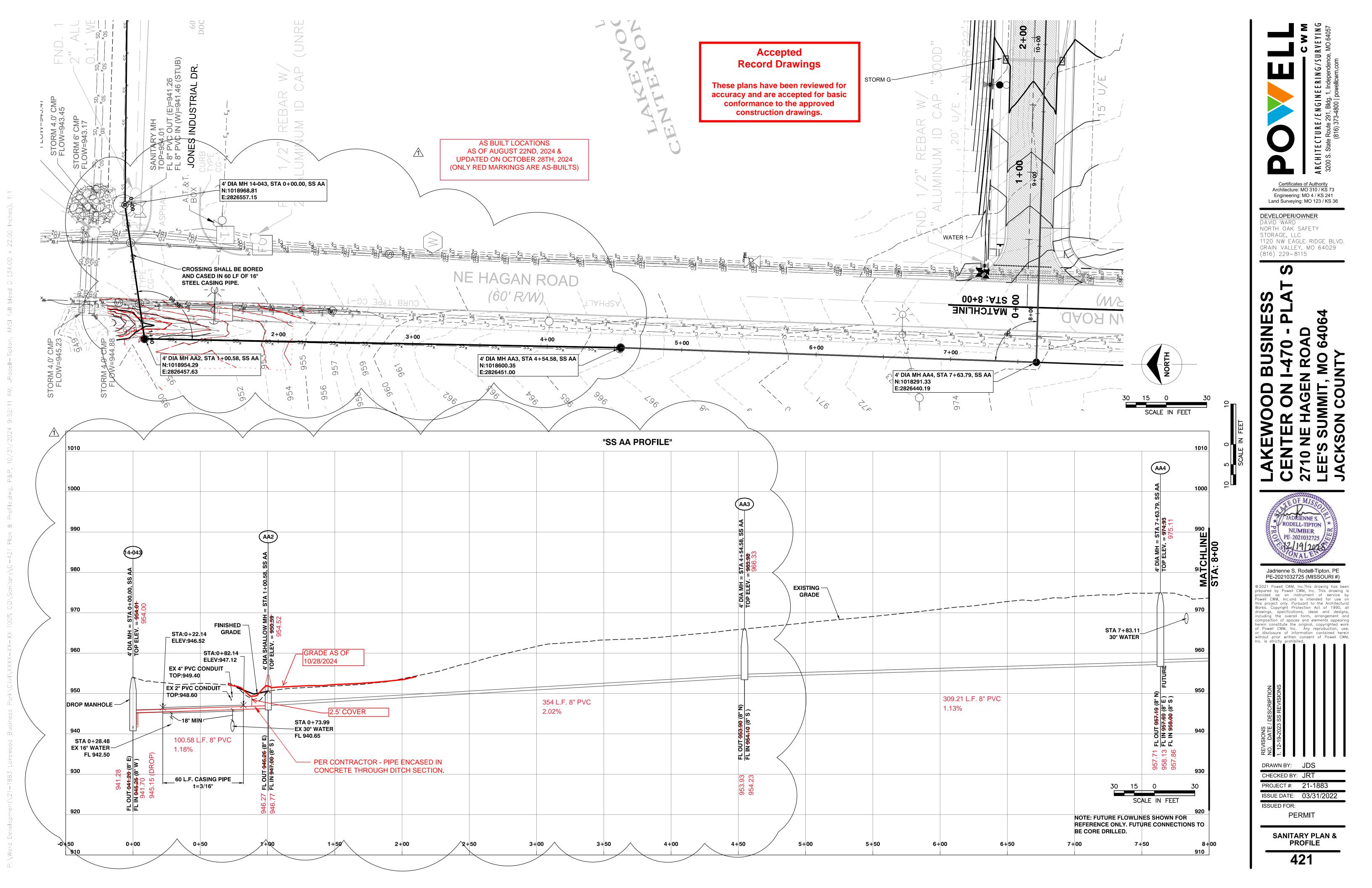
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PROJECT #: 21-1883 ISSUE DATE: 03/31/2022

ISSUED FOR:

**COVER SHEET** 





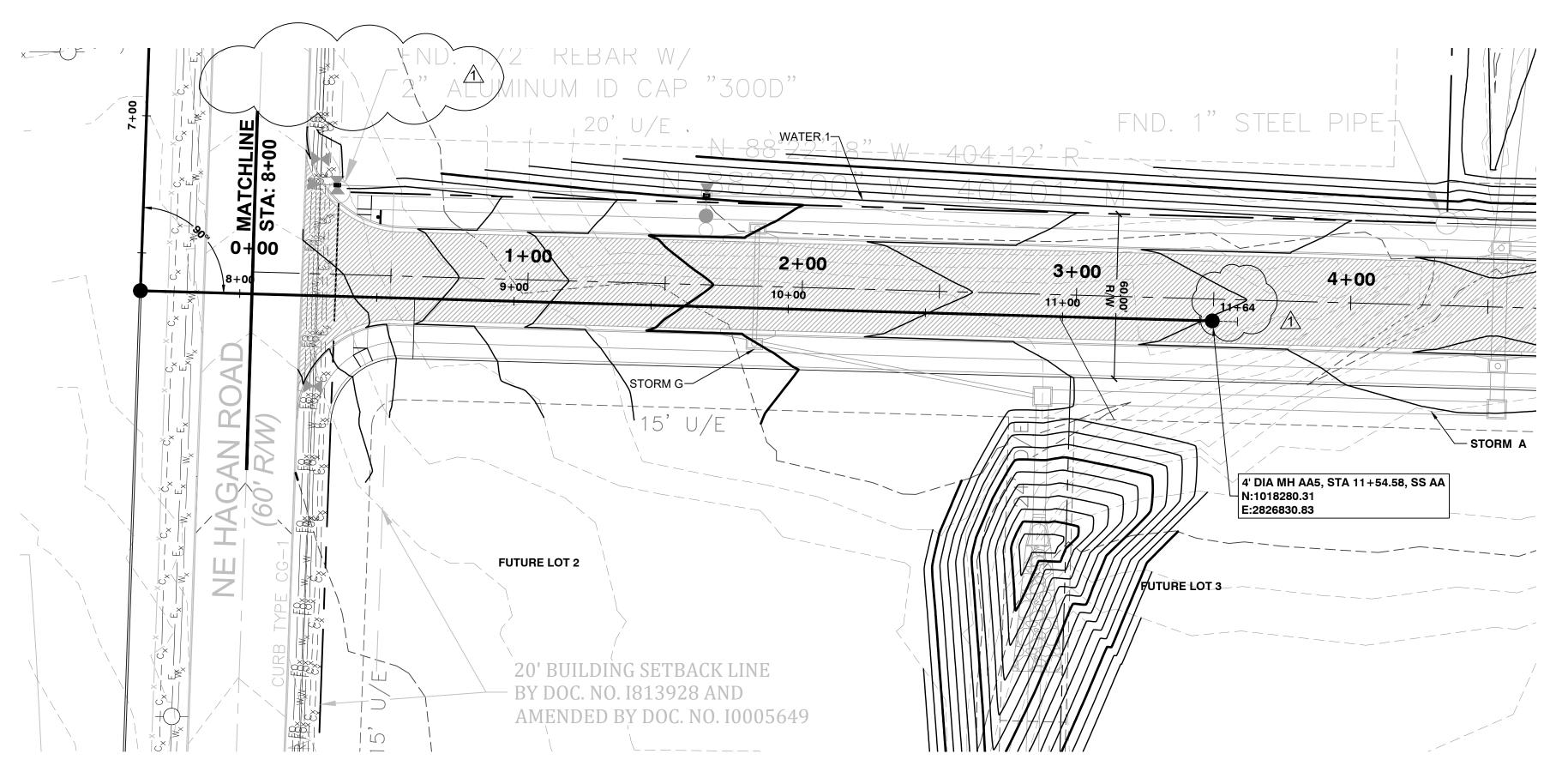
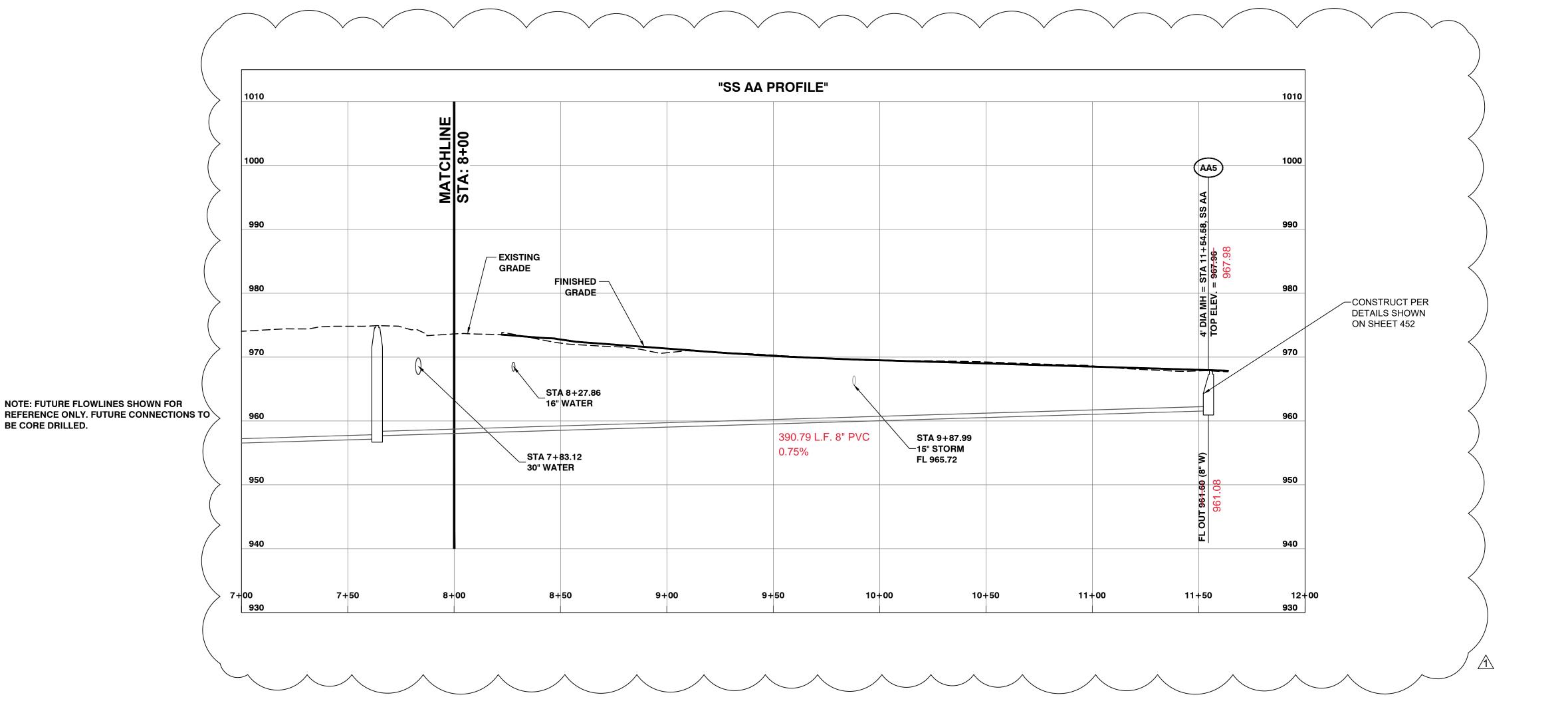


	TABLE OF SERVICE LOCATIONS						
Lakewood Business Park							
LOT	CONNECTION	DIST. FROM	STUB	MINIMUM FLOOR			
NO	TYPE	D.S. M.H.	LENGTH	ELEVATION			
FUTURE 2	<u>"</u> Y"	100	22	963.69			
TOTOREZ							
FUTURE 3	" <b>Y</b> "	335	43	968.00			
1 0 TOILE 3							

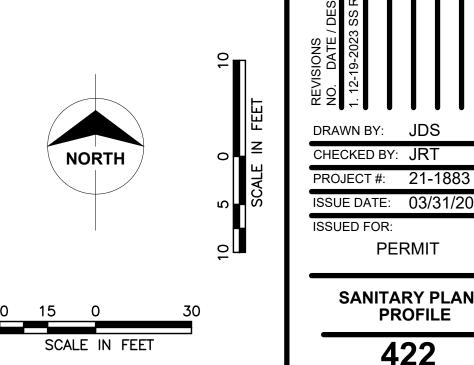
#### **Accepted Record Drawings**

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BE CORE DRILLED.

AS BUILT LOCATIONS AS OF AUGUST 22ND, 2024 (ONLY RED MARKINGS ARE AS-BUILTS)



ISSUE DATE: 03/31/2022 ISSUED FOR: **PERMIT** 

\*WRODELL-TIPTON

NUMBER PE 2021032725

Jadrienne S. Rodell-Tipton, PE PE-2021032725 (MISSOURI #)

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Certificates of Authority
Architecture: MO 310 / KS 73
Engineering: MO 4 / KS 241
Land Surveying: MO 123 / KS 36

1120 NW EAGLE RIDGE BLVD. GRAIN VALLEY, MO 64029 (816) 229-8115

MMIT, MO

DEVELOPER/OWNER

DAVID WARD

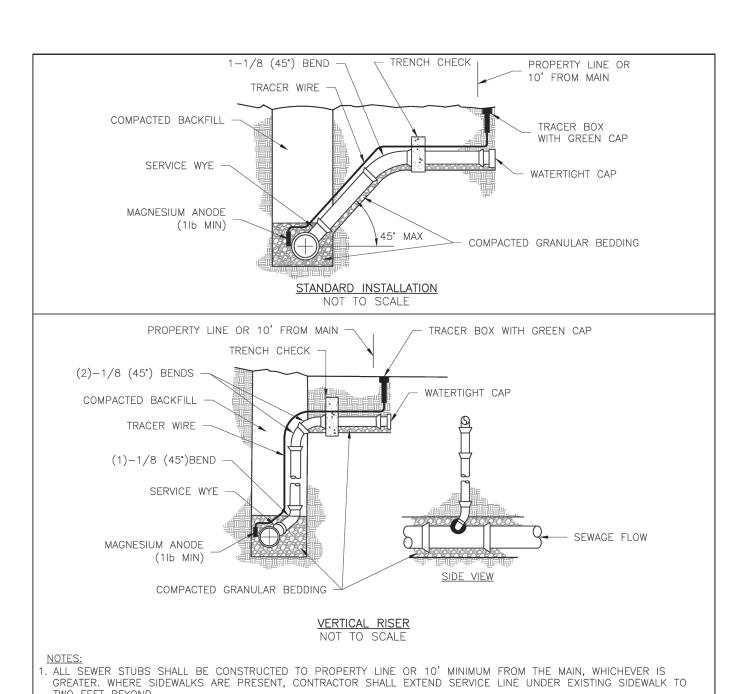
NORTH OAK SAFETY

STORAGE, LLC

SS

BUSINES: I-470 - PL/

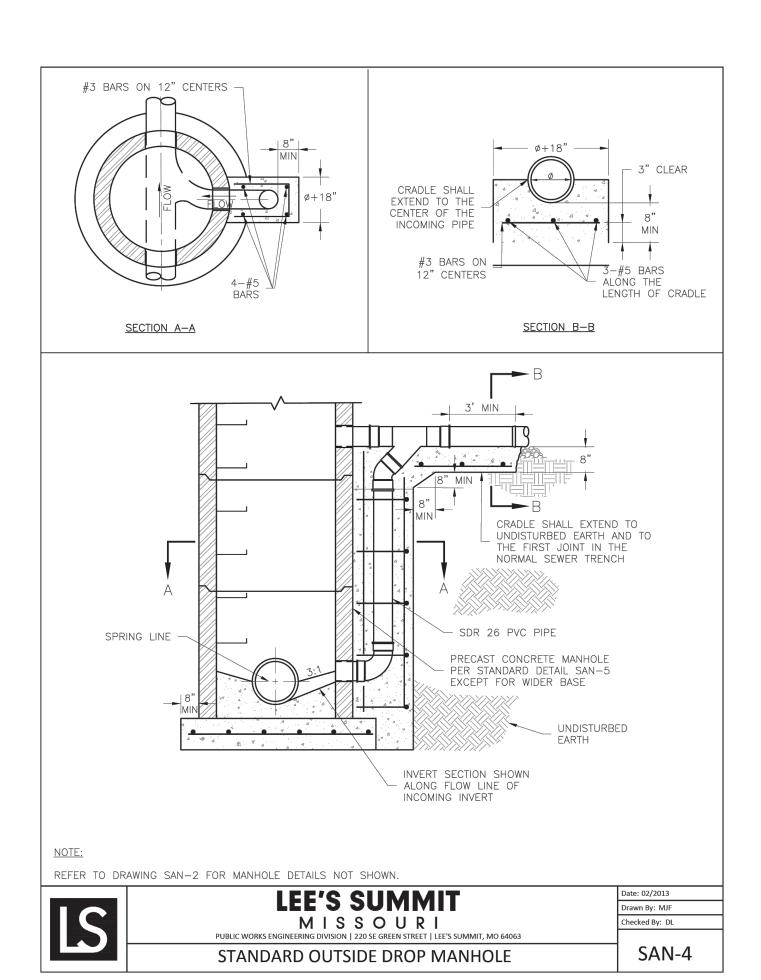
**SANITARY PLAN &** PROFILE

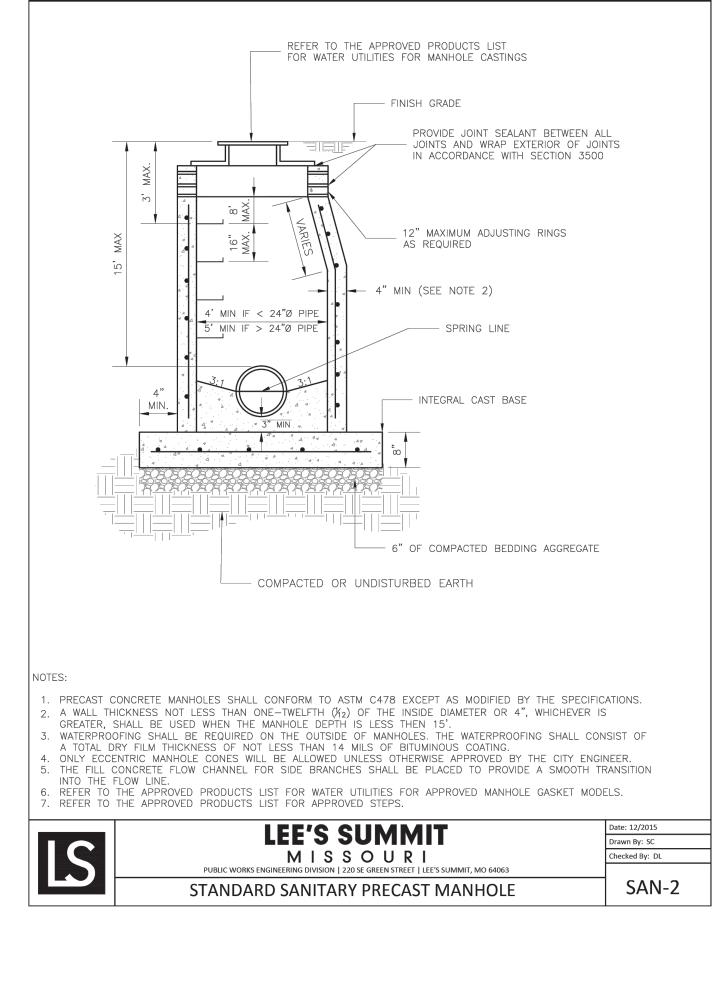


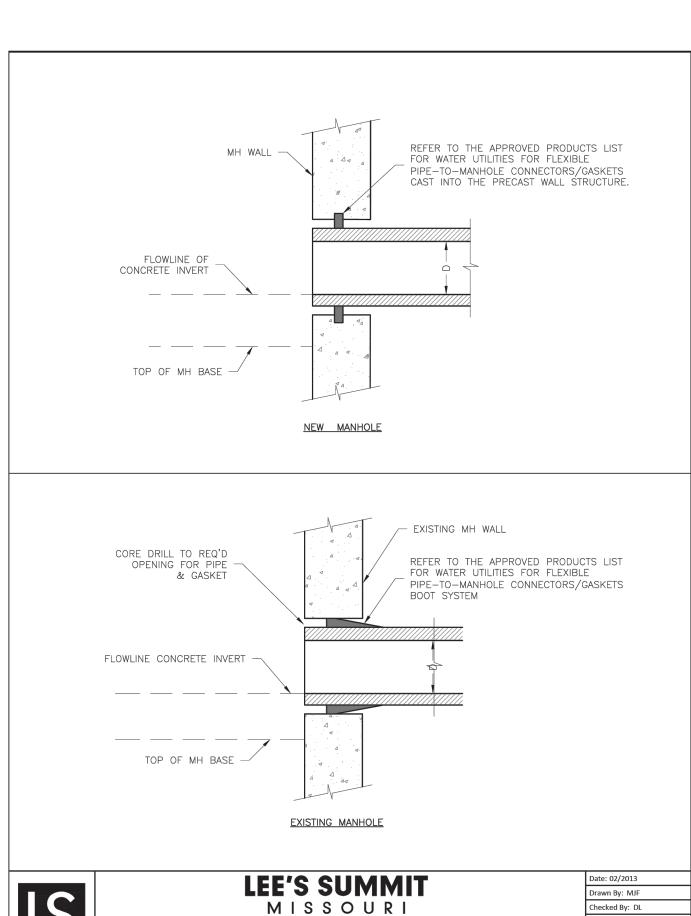
MERVIOUS TRENCH CHECKS SHALL BE PLACED ON BUILDING SEWER STUBS (AT LEAST 5' AWAY FROM THE SANITARY SEWER MAIN). . TRENCH CHECKS ON THE BUILDING SEWER STUBS SHALL EXTEND 6" BELOW THE BOTTOM OF THE PIPE. LENGTH SHALL BE A MINIMUM OF 12". THE HEIGHT OF THE TRENCH CHECK SHALL EXTEND 12" ABOVE THE TOP OF 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.

6. 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



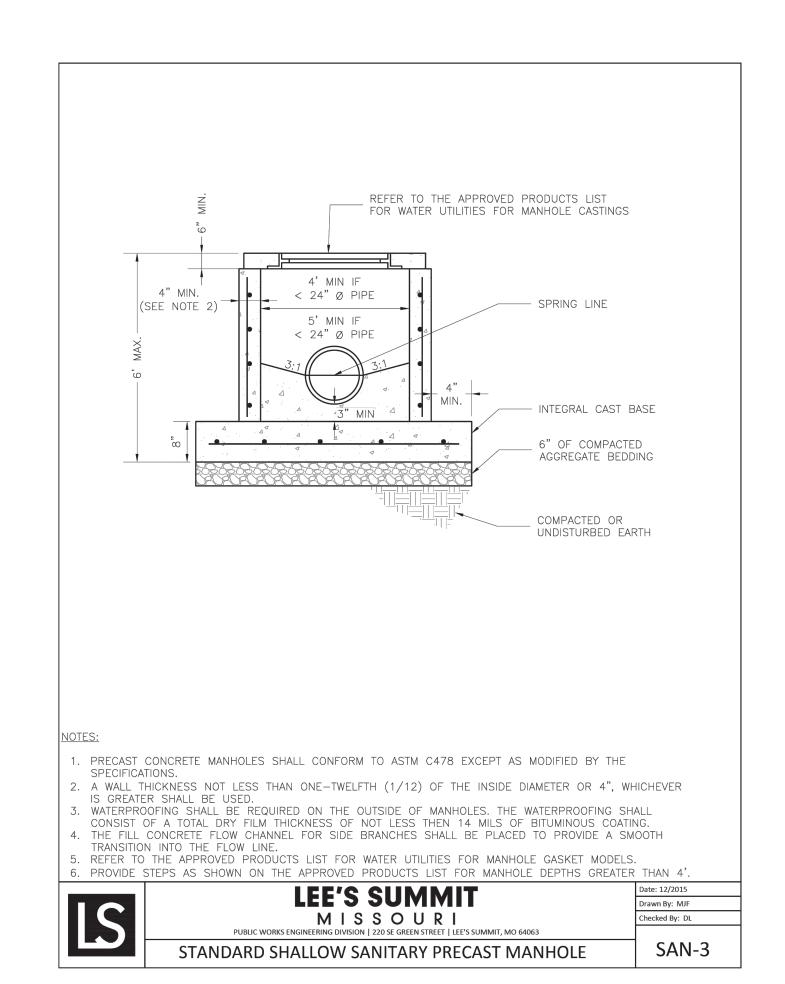


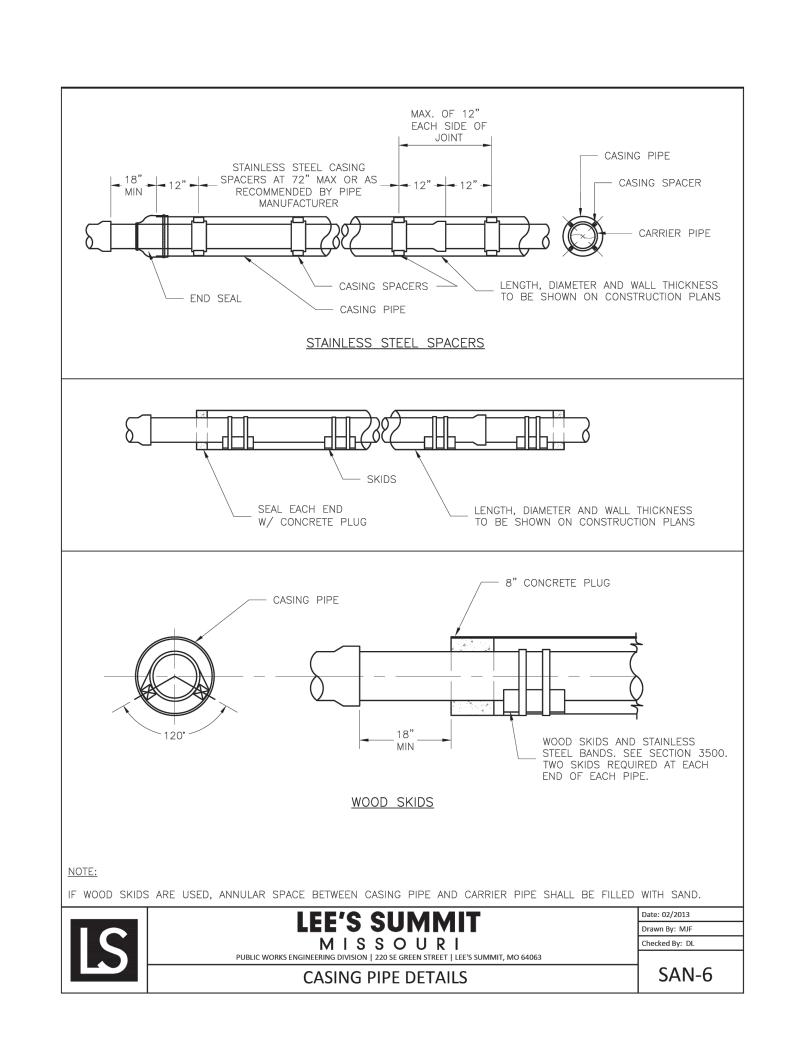




MANHOLE WALL CONNECTION

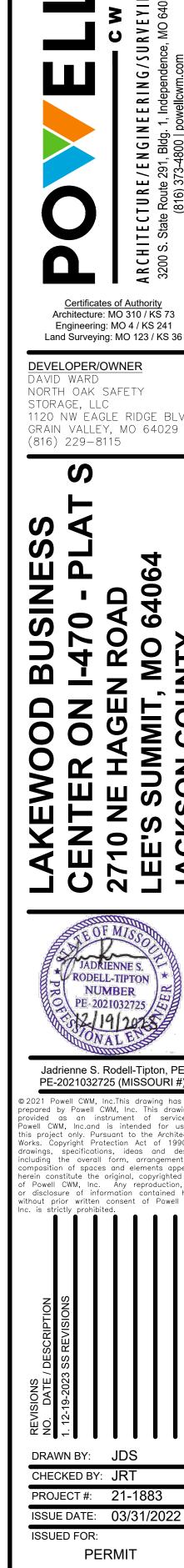
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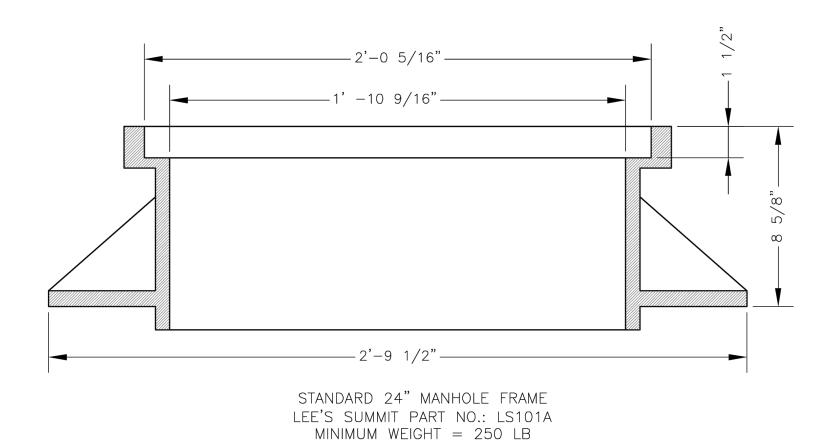
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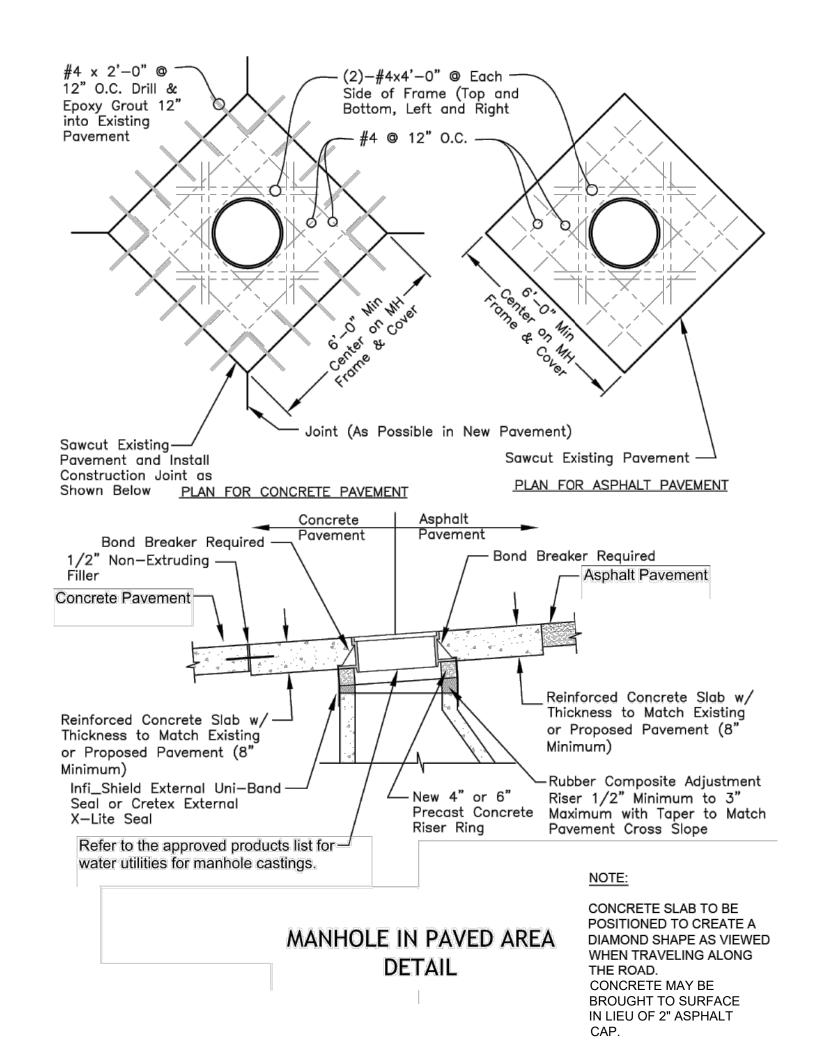
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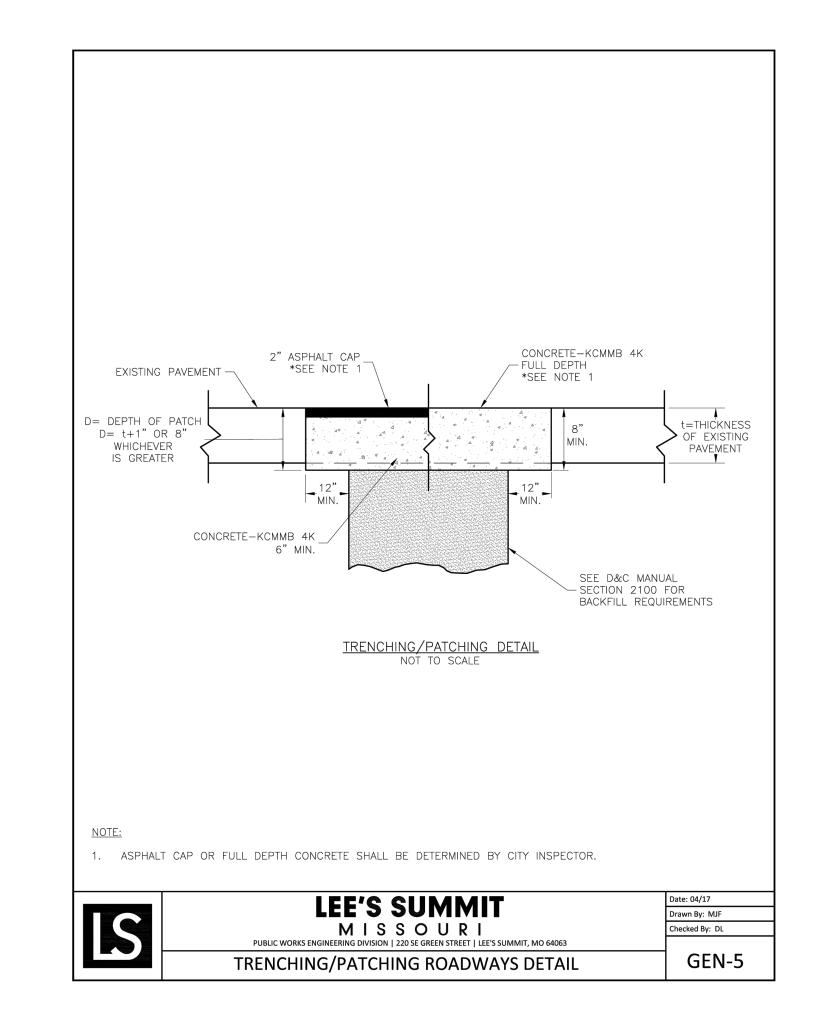


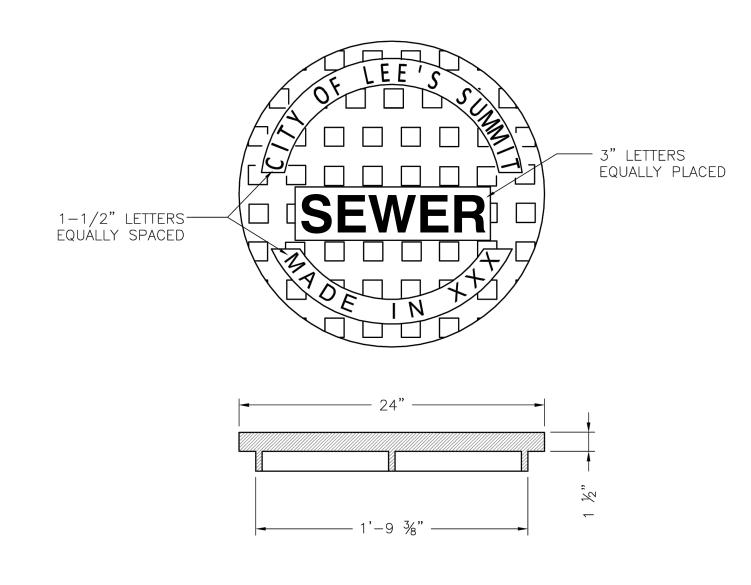


DETAILS

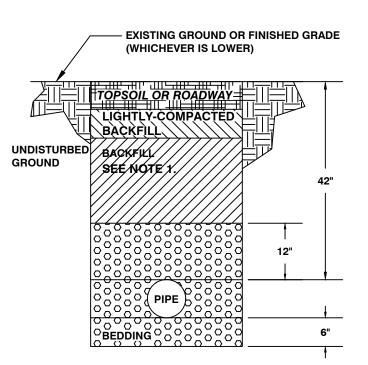








STANDARD 24" MANHOLE COVER
MINIMUM WEIGHT = 160 LB
NOTE: PICK HOLES NOT SHOWN



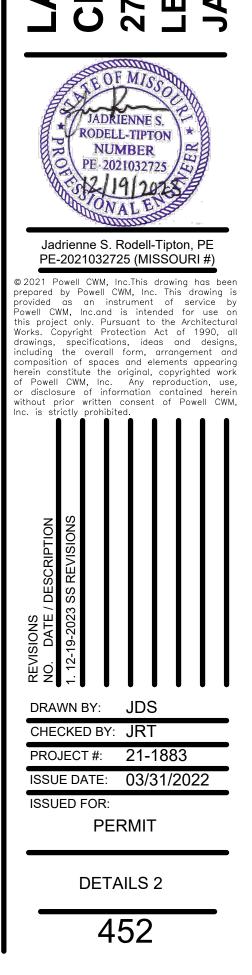
NOTE: MINIMUM 12" AGGREGATE COVER

#### TRENCHING AND BACKFILL DETAIL

1. 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 Section 2602.2.H Mix Design Type. A. The flowable fill shall extend to 2 feet from back of curb to 2 feet back of curb, up to 18 inches below finished grade. For existing roadways flowable shall be extend up to the base of pavement.

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Engineering: MO 4 / KS 241 Land Surveying: MO 123 / KS 36

1120 NW EAGLE RIDGE BLVD.

GRAIN VALLEY, MO 64029

DEVELOPER/OWNER
DAVID WARD

NORTH OAK SAFETY

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P

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CON

**BUSINE**