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

CONSTRUCTION AND DESIGN NOTES:

1. SANITARY SEWER PIPE SHALL BE VINYL CHLORIDE (PVC), SDR-26, UNLESS OTHERWISE NOTED IN THESE PLANS
2. HOUSE SEWER LATERALS SHALL BE 4 INCH PVC, SDR-26. LATERALS SHALL BE CONSTRUCTED USING A TOP ORIENTED "WYE AT THE SEWER STATION SHOWN IN THESE PLANS. LATERALS SHALL BE LAID AT A GRADE OF 2.0% FROM THE SEWER MAIN TO THE STREET RIGHT-OF-WAY LINE OR EASEMENT LINE AS REPRESENTED BY THE LATERAL LENGTH SHOWN IN THESE PLANS. THE ELEVATION SHOWN FOR THE END OF THE LATERAL IN THESE PLANS IS APPROXIMATE. THE ACTUAL ELEVATION SHALL BE DETERMINED BY THE FLOW LINE ELEVATION OF THE SEWER MAIN, THE FITTINGS AND THE GRADE OF THE SEWER LATERAL.
3. THE CONTRACTOR SHALL MAINTAIN A LOG OF THE "AS-BUILT" STATION AND THE LENGTH OF EACH HOUSE LATERAL AND SHALL PROVIDE POWELL, CWM WITH A COPY OF SAID LOG UPON THE COMPLETION OF THE SEWER CONSTRUCTION.
4. ALL MANHOLES INSTALLED IN THE STREET RIGHT-OF-WAY SHALL BE FINISHED 1" PER FOOT ABOVE THE NEAREST ADJACENT

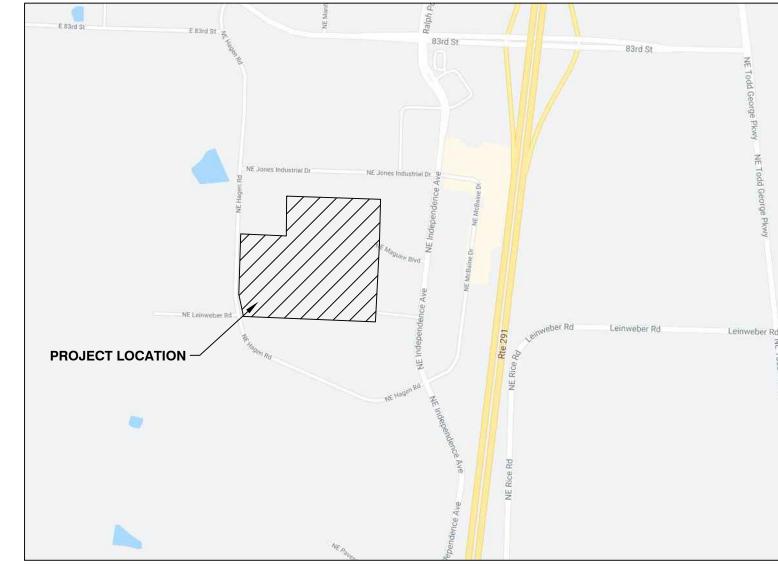
- S. A STAKE SHALL BE PLACED AT THE END OF EACH WYE CONNECTION WITH THE END ELEVATION WRITTEN ON THE STAKE
- 6. FILL AREAS SHALL HAVE 3 FEET OF COMPACTED FILL IN PLACE PRIOR TO TRENCHING
- 7. A TRENCH CHECK CONSISTING OF FLOWABLE FILL MUST BE INSTALLED ON EVERY PRIVATE LATERAL

GENERAL NOTES

- 1. ALL CONSTRUCTION SHALL CONFORM TO THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL AS ADOPTED BY ORDINANCE 5813.
- TRENCH CHECKS SHALL BE INSTALLED AT ALL SANITARY WYE LOCATIONS
- 3. ALL CONSTRUCTION ACTIVITIES CONDUCTED ON THE LEE'S SUMMIT AIRPORT SITE SHALL BE COORDINATED WITH THE DEVELOPMENT SERVICES INSPECTOR AND THE AIRPORT MANAGER.EXCAVATION EQUIPMENT MAY REQUIRE THE ISSUANCE OF A NOTICE TO AIRMEN (NOTAM) FOR THE DURATION OF THE EXCAVATION EQUIPMENT BEING PRESENT ON THE AIRPORT PROPERTY

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.



VICINITY MAP



UTILITY NOTE:

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.

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

 EVERGY
 816-471-5275

 SPIRE
 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

 CITY OF LEE'S SUMMIT WATER UTILITIES
 816-969-1900

SHEET INDEX:

400 COVER SHEET
411 OVERALL LAYOUT PLAN
421-422 PLAN & PROFILE
451 DETAILS

BENCHMARK:

BEARINGS SHOWN HEREON ARE GRID BEARINGS
BASED ON THE MISSOURI COORDINATE SYSTEM
DF 1983, WEST ZONE AND TIED TO CONTROL
MONUMENT "JA-42", DATE OF OBSERVATION 2003
N: 312505.303 METERS, E: 859594.663 METERS) OF
THE MISSOURI GEOGRAPHIC REFERENCE SYSTEM
AS DEVELOPED FROM GPS OBSERVATIONS, A

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 SUMMIT, MISS

CITY ENGINEER

C W W HITECTURE/ENGINEERING/SURVEYING

Certificates of Authority
Architecture: MO 310 / KS 73
Engineering: MO 4 / KS 241

EVELOPER/OWNER

DAVID WARD

NORTH OAK SAFETY

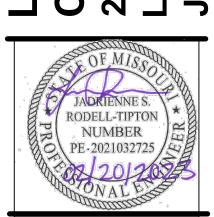
STORAGE, LLC

1120 NW EAGLE RIDGE BLVI

GRAIN VALLEY, MO 64029

(816) 229-8115

ENTER ON I-470 - PI 10 NE HAGEN ROAD E'S SUMMIT, MO 64064 CKSON COUNTY



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

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DATE / DESCRIPTION				
DATE				

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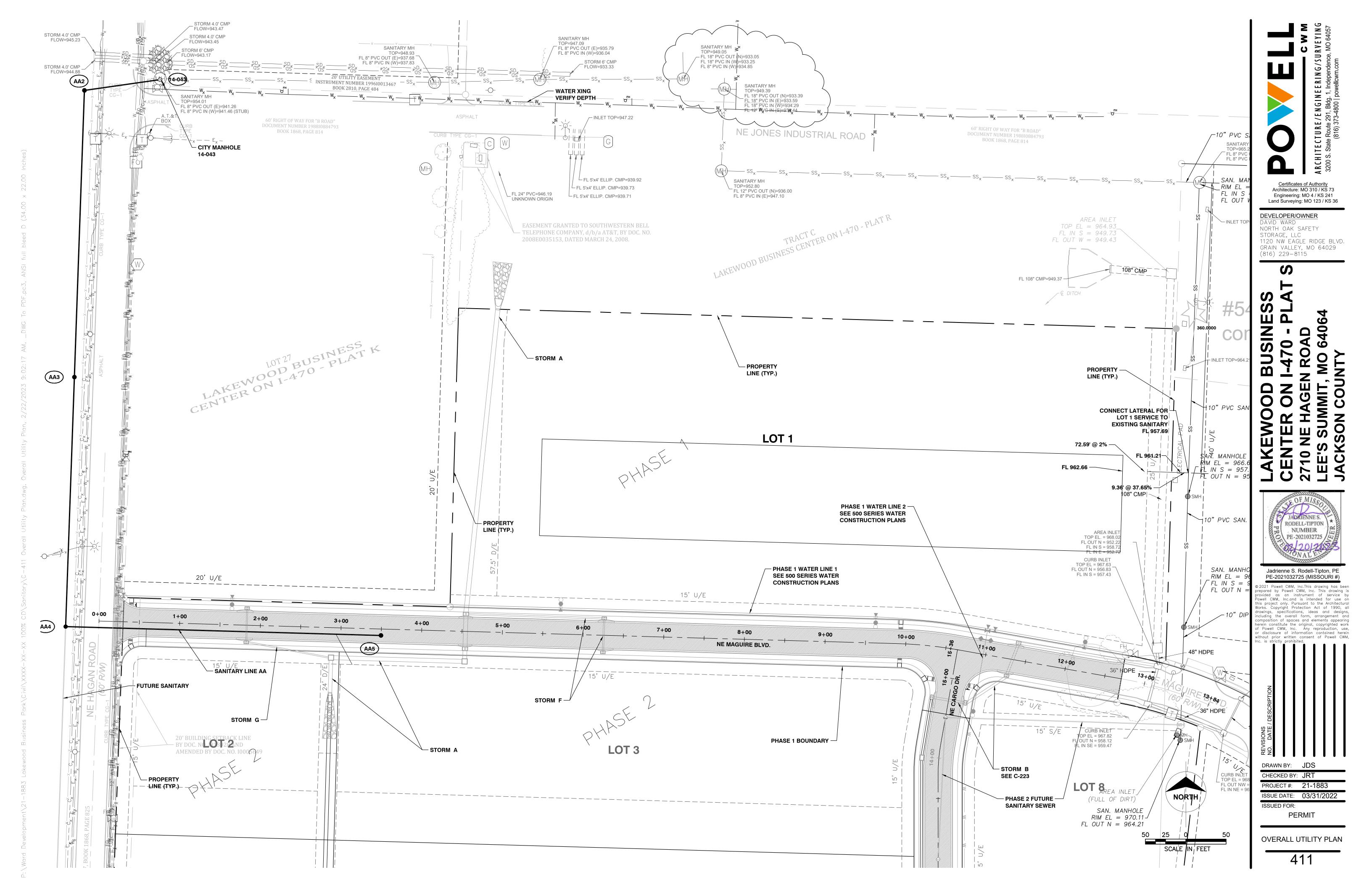
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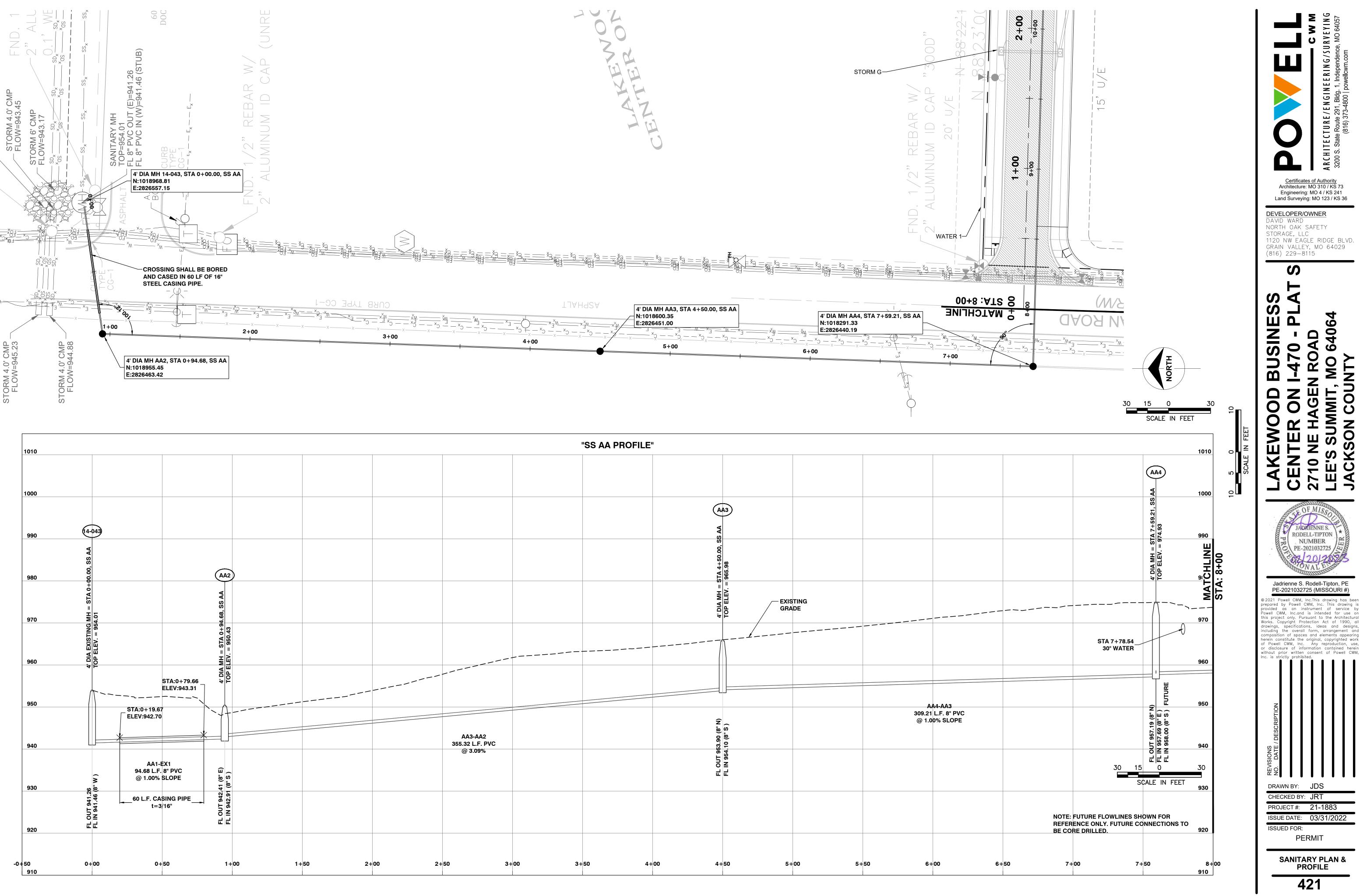
PROJECT #: 21-1883
ISSUE DATE: 03/31/2022

ISSUED FOR:
PERMIT

COVER SHEET

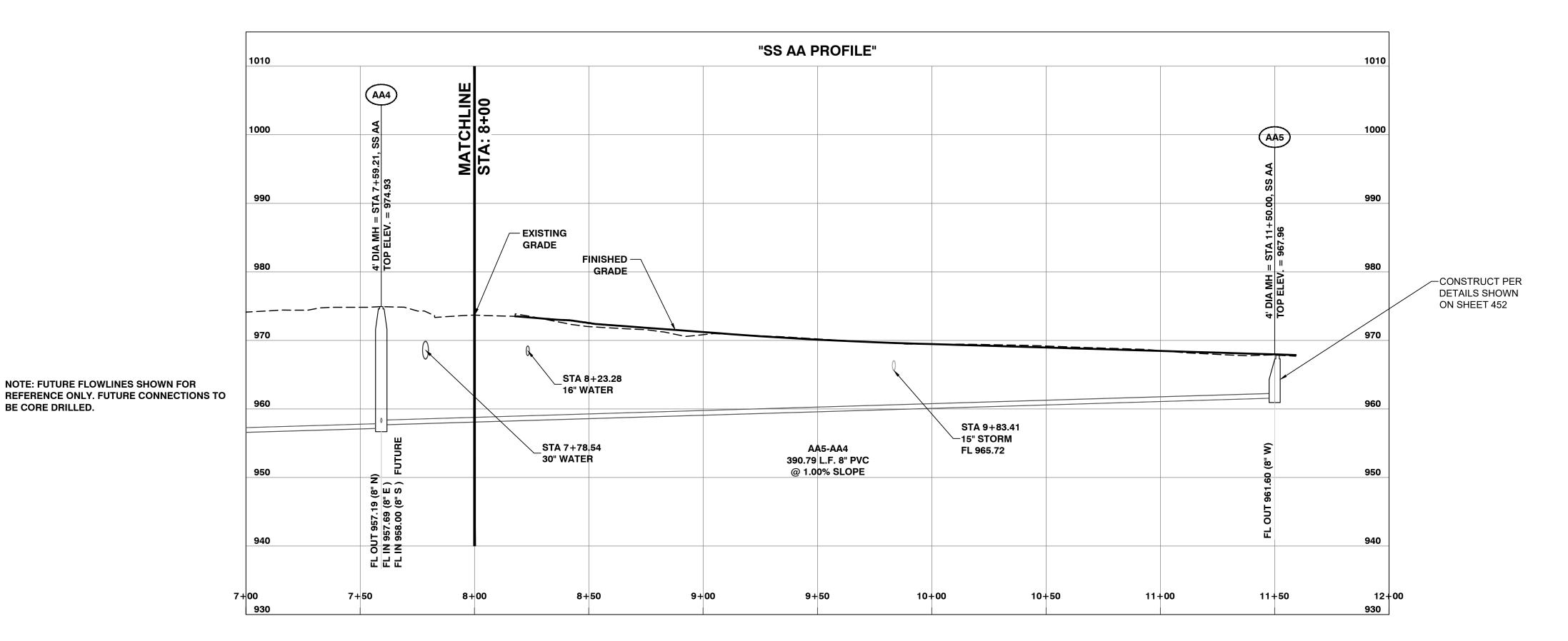
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Certificates of Authority
Architecture: MO 310 / KS 73
Engineering: MO 4 / KS 241
Land Surveying: MO 123 / KS 36 DEVELOPER/OWNER DAVID WARD NORTH OAK SAFETY 1120 NW EAGLE RIDGE BLVD. GRAIN VALLEY, MO 64029 (816) 229-8115 MMIT, MO

TABLE OF SERVICE LOCATIONS								
Lakewood Business Park								
LOT NO	CONNECTION TYPE	DIST. FROM D.S. M.H.	STUB LENGTH	MINIMUM FLOOF ELEVATION				
FUTURE 2	"Y"	100	22	963.69				
FUTURE 3	"Y"	335	43	968.00				
	NO FUTURE 2	Lake LOT CONNECTION NO TYPE FUTURE 2 "Y"	Lakewood Busin LOT CONNECTION DIST. FROM NO TYPE D.S. M.H. FUTURE 2 "Y" 100	Lakewood Business Park LOT CONNECTION DIST. FROM STUB NO TYPE D.S. M.H. LENGTH FUTURE 2 "Y" 100 22				



BE CORE DRILLED.

JADRIENNE S. RODELL-TIPTON NUMBER © 2021 Powell CWM, Inc.This drawing has been prepared by Powell CWM, Inc. This drawing is provided as an instrument of service by Powell CWM, Inc.and is intended for use on this project only. Pursuant to the Architectural Works. Copyright Protection Act of 1990, all drawings, specifications, ideas, and designs. vorks. Copyright Protection Act of 1990, all frawings, specifications, ideas and designs, including the overall form, arrangement and composition of spaces and elements appearing perein constitute the original, copyrighted work of Powell CWM, Inc. Any reproduction, use, or disclosure of information contained herein without prior written consent of Powell CWM. hout prior written consent of Powell CWM,

SCALE IN FEET

PERMIT

PROFILE

COUNTY

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

DEVELOPER/OWNER

DAVID WARD

NORTH OAK SAFETY

STORAGE, LLC

1120 NW EAGLE RIDGE BLVD.

GRAIN VALLEY, MO 64029

(816) 229-8115

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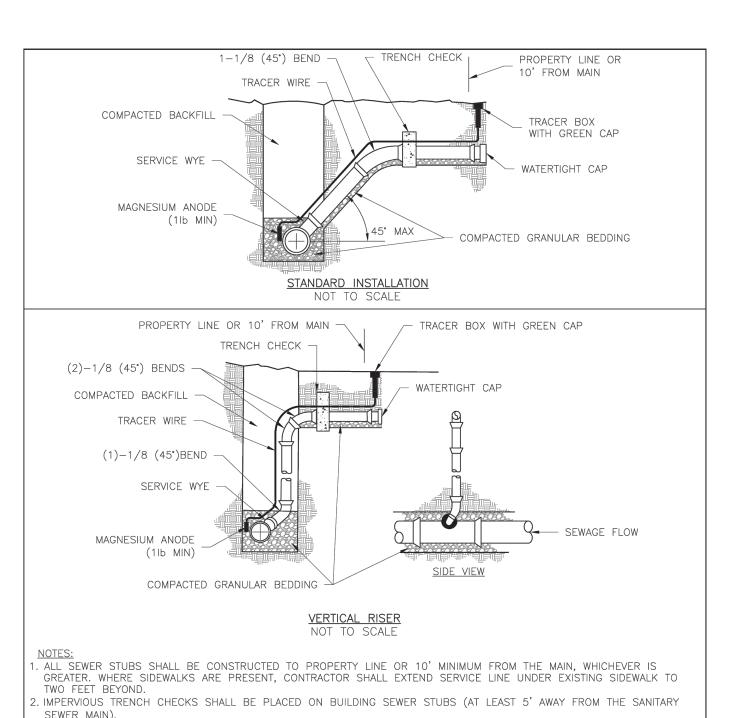
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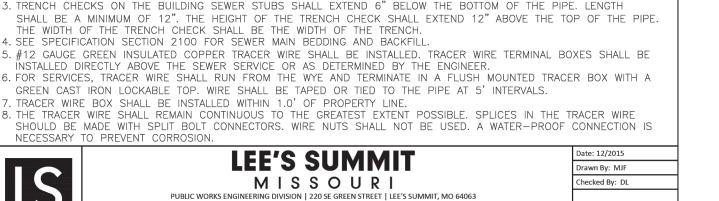
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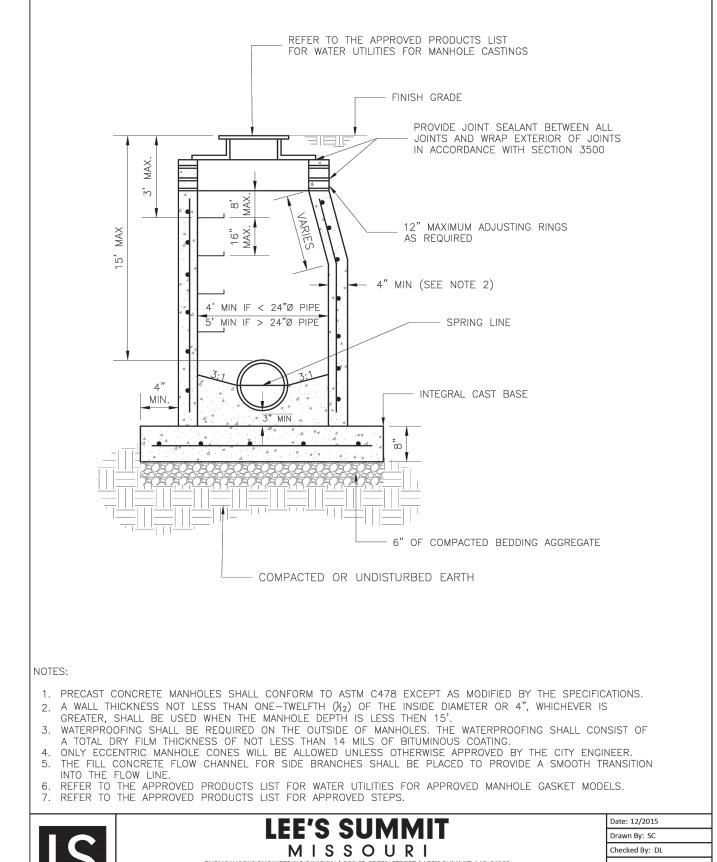
SANITARY PLAN &



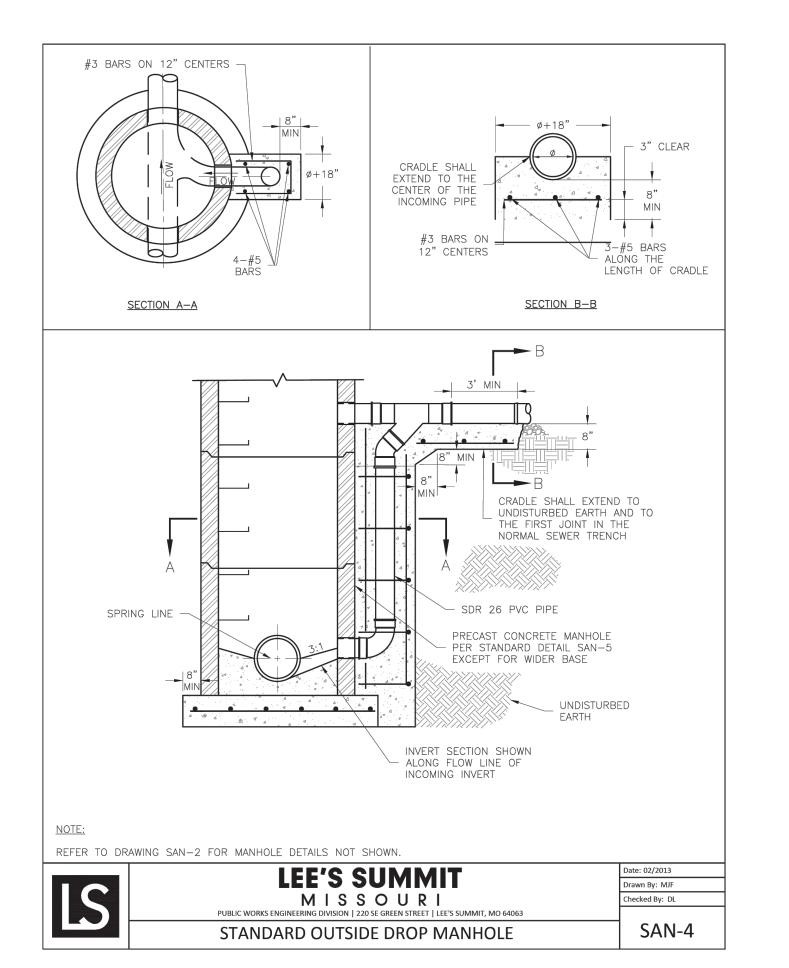


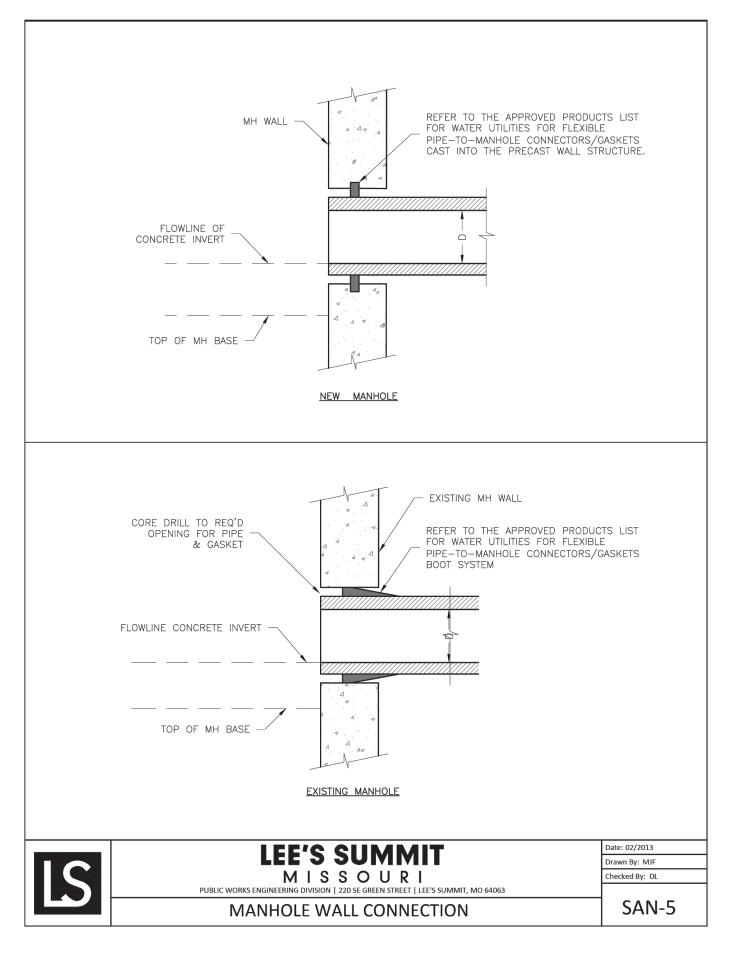
SANITARY SEWER STUB DETAIL

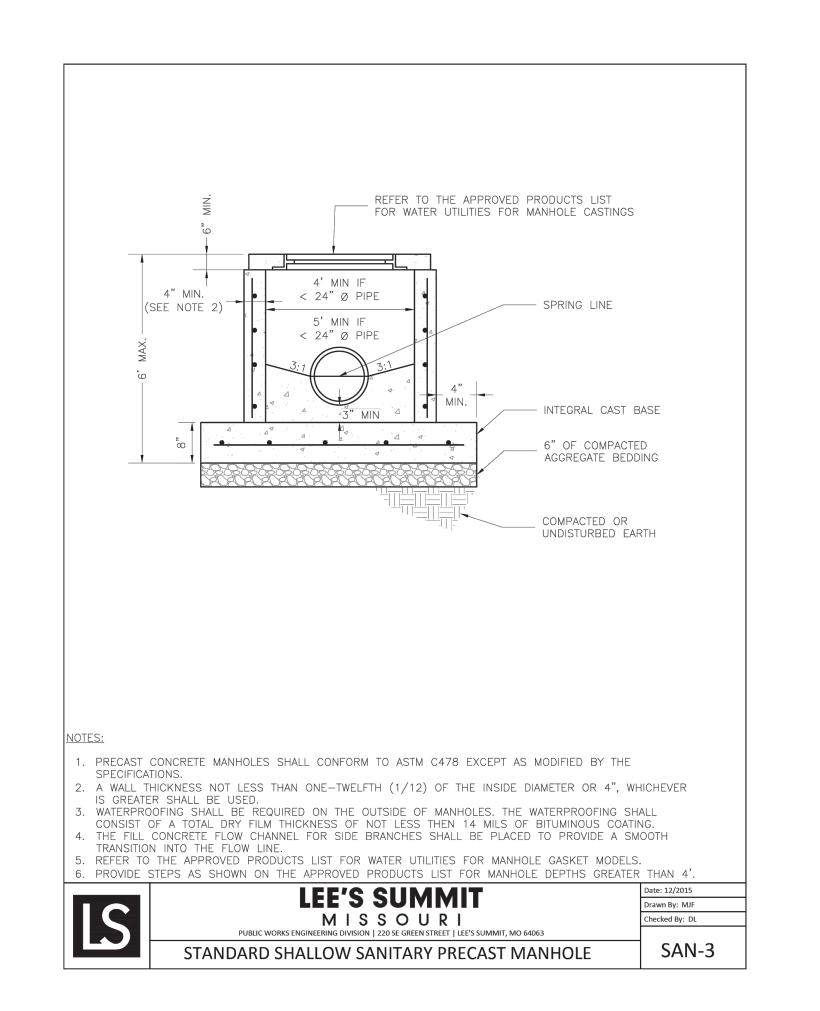
SAN-1

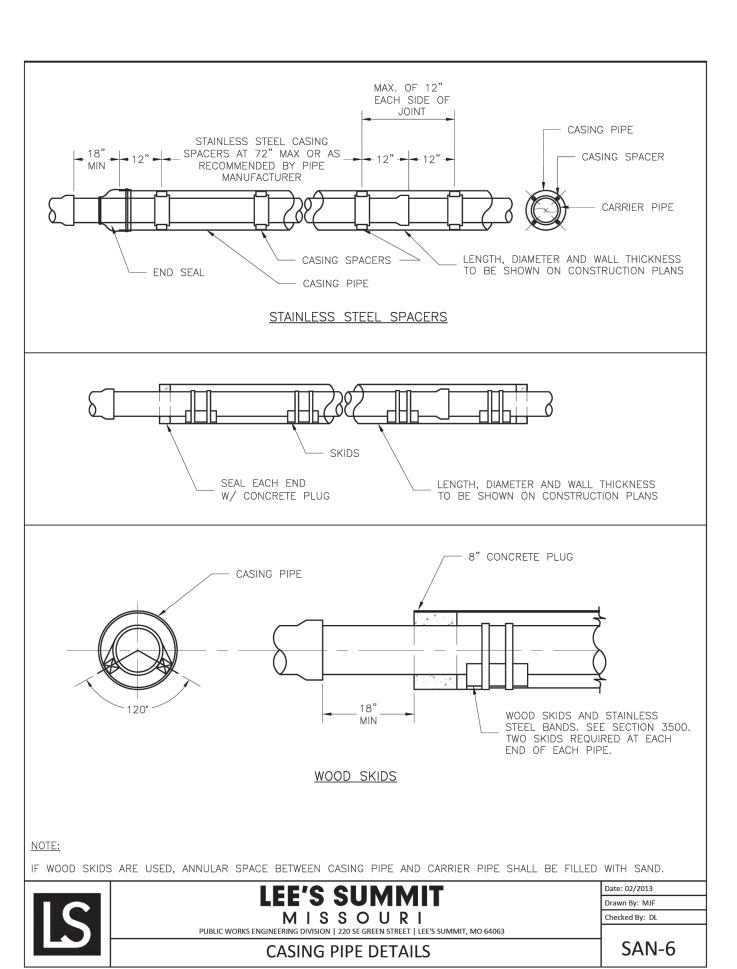


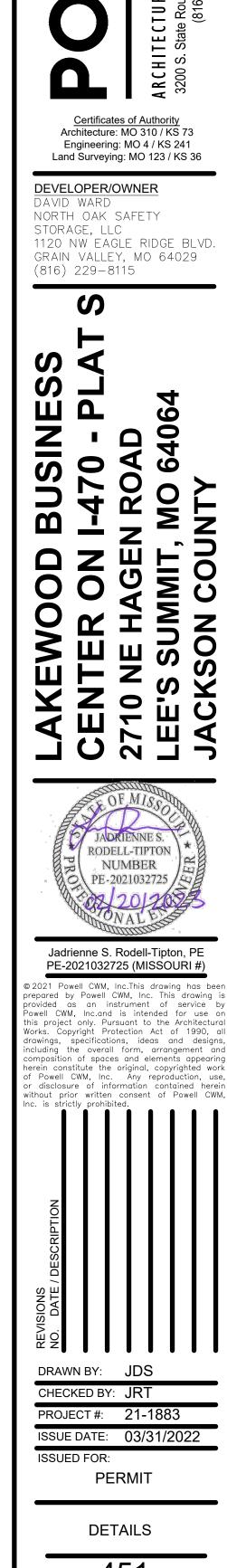




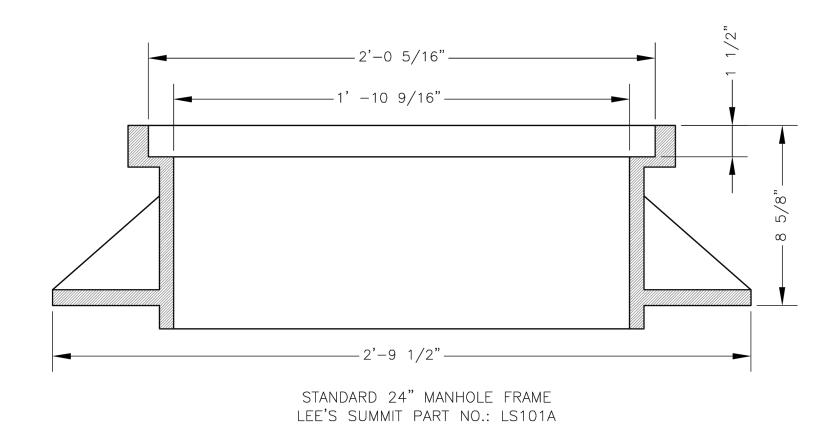




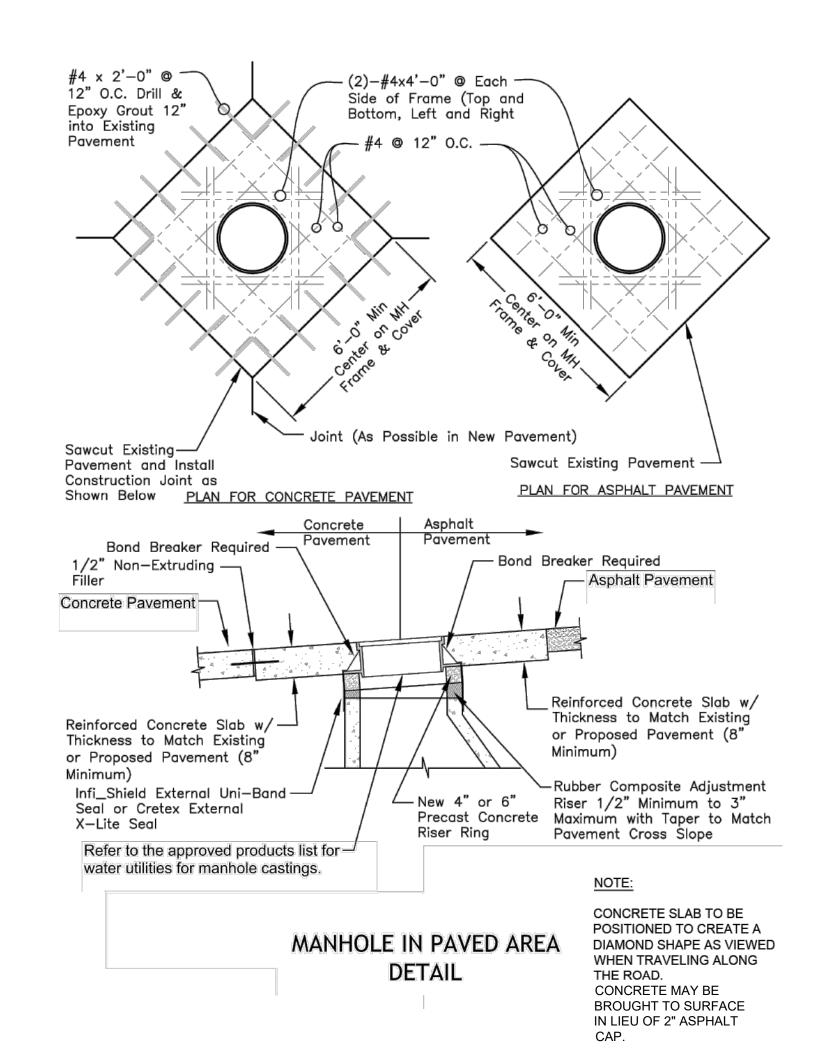


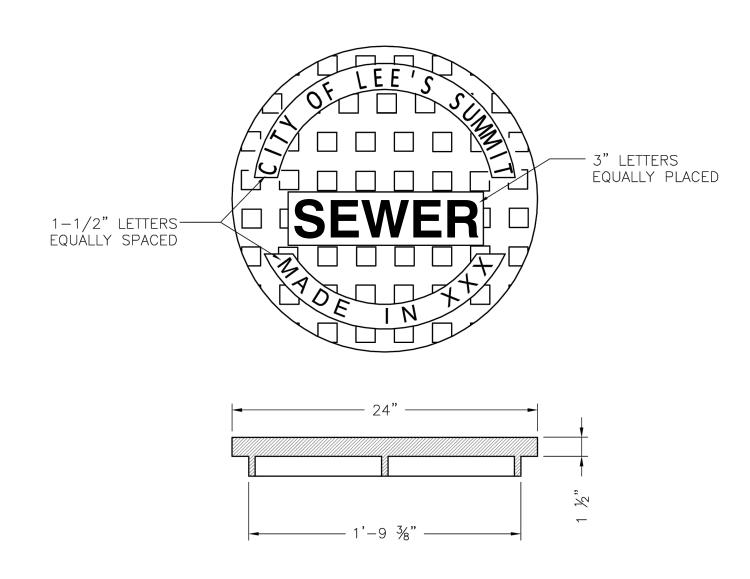


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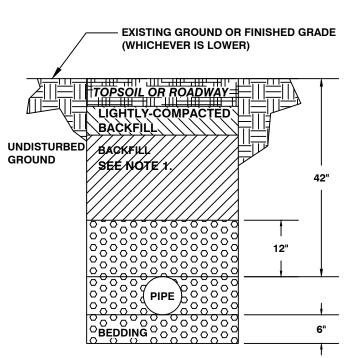


MINIMUM WEIGHT = 250 LB





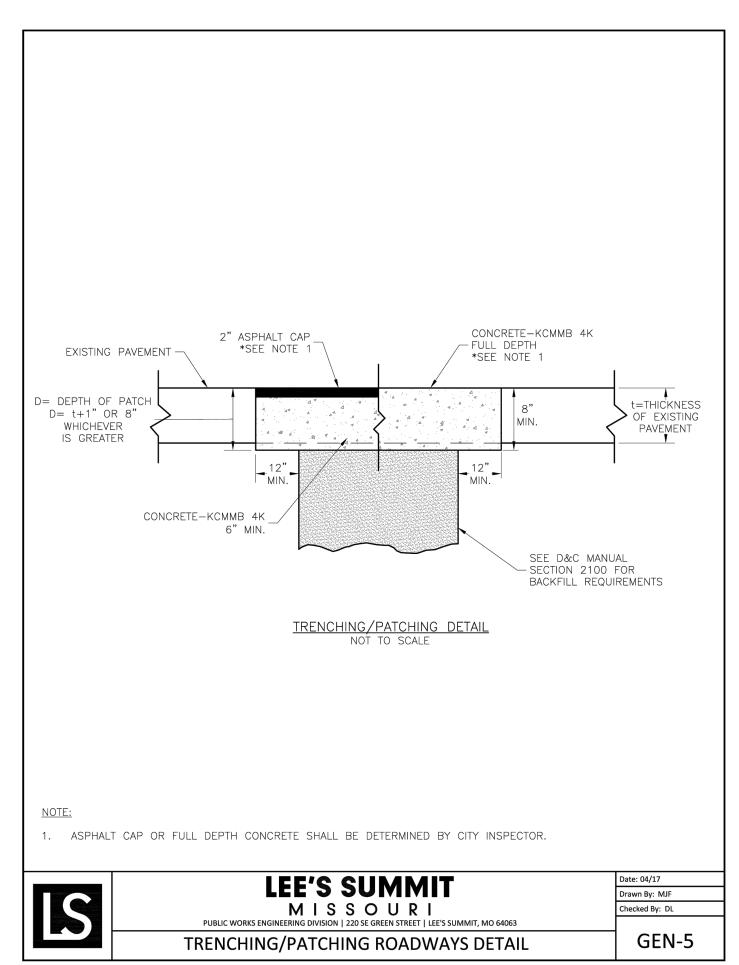
STANDARD 24" MANHOLE COVER MINIMUM WEIGHT = 160 LB NOTE: PICK HOLES NOT SHOWN

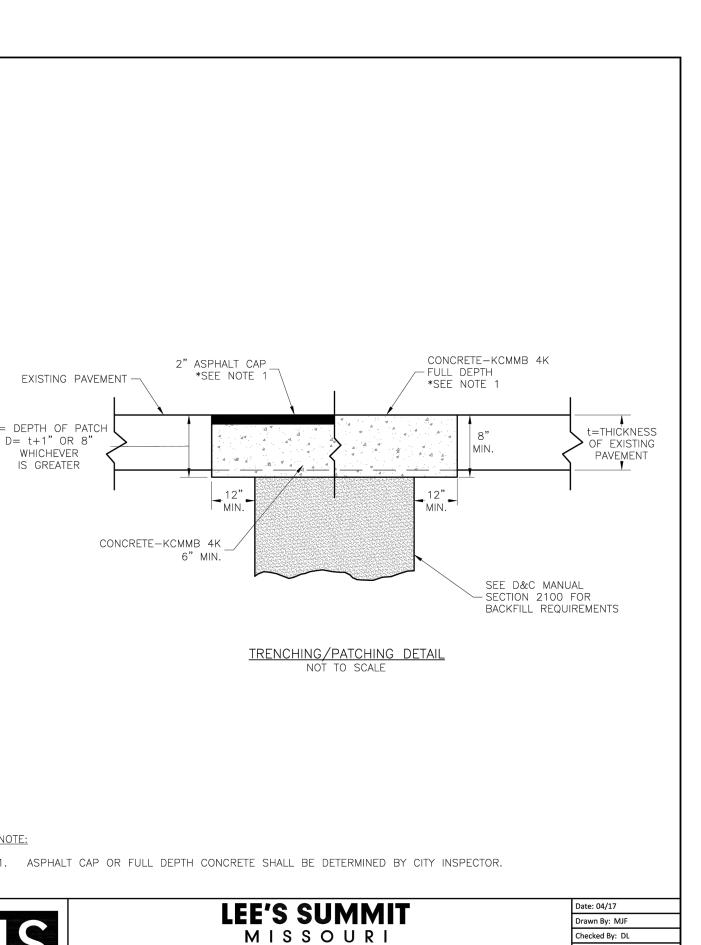


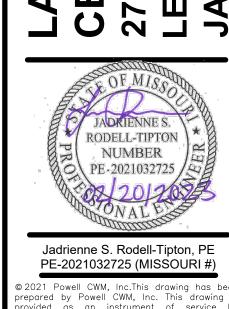
NOTE: MINIMUM 12" AGGREGATE COVER

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.







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

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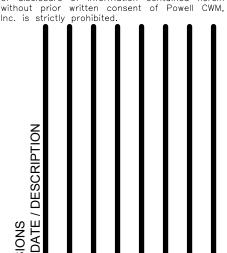
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CON

BUSINE

NORTH OAK SAFETY

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DETAILS 2

PERMIT