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

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

WATER NOTES

- - A) SANITARY SEWERS: HORIZONTAL = 10 FEET, VERTICAL = 18 INCHES B) STORM SEWERS: HORIZONTAL = 5 FEET, VERTICAL = 18 INCHES
- THESE SEPARATIONS SHALL PREVAIL OVER ANY DATA SHOWN IN THESE PLANS AND THE CONTRACTOR SHALL INSTALL BENDS
- OR OTHER FITTINGS AS NECESSARY TO ACHIEVE THE REQUIRED SEPARATIONS. 9. ALL CONSTRUCTION SHALL FOLLOW THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL AS ADOPTED BY



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

CITY OF LEE'S SUMMIT WATER UTILITIES

COMCAST

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

800-582-1234

816-795-1100

816-969-1900

OVERALL LAYOUT PLAN PLAN & PROFILE

BENCHMARK:

SE CORNER OF AREA INLET LOCATED IN THE SE CORNER OF LOT 1 NORTH OF NE MAGUIRE BLVD.

ELEVATION=967.99

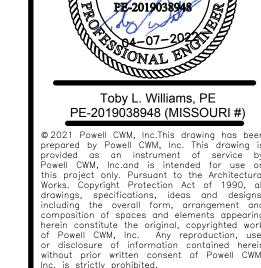
ENGINEER'S CERTIFICATION:

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.

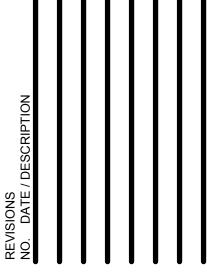
CITY ENGINEER

ORTH OAK SAFETY STORAGE

RAIN VALLEY, MO 64029 B16) 229-8115



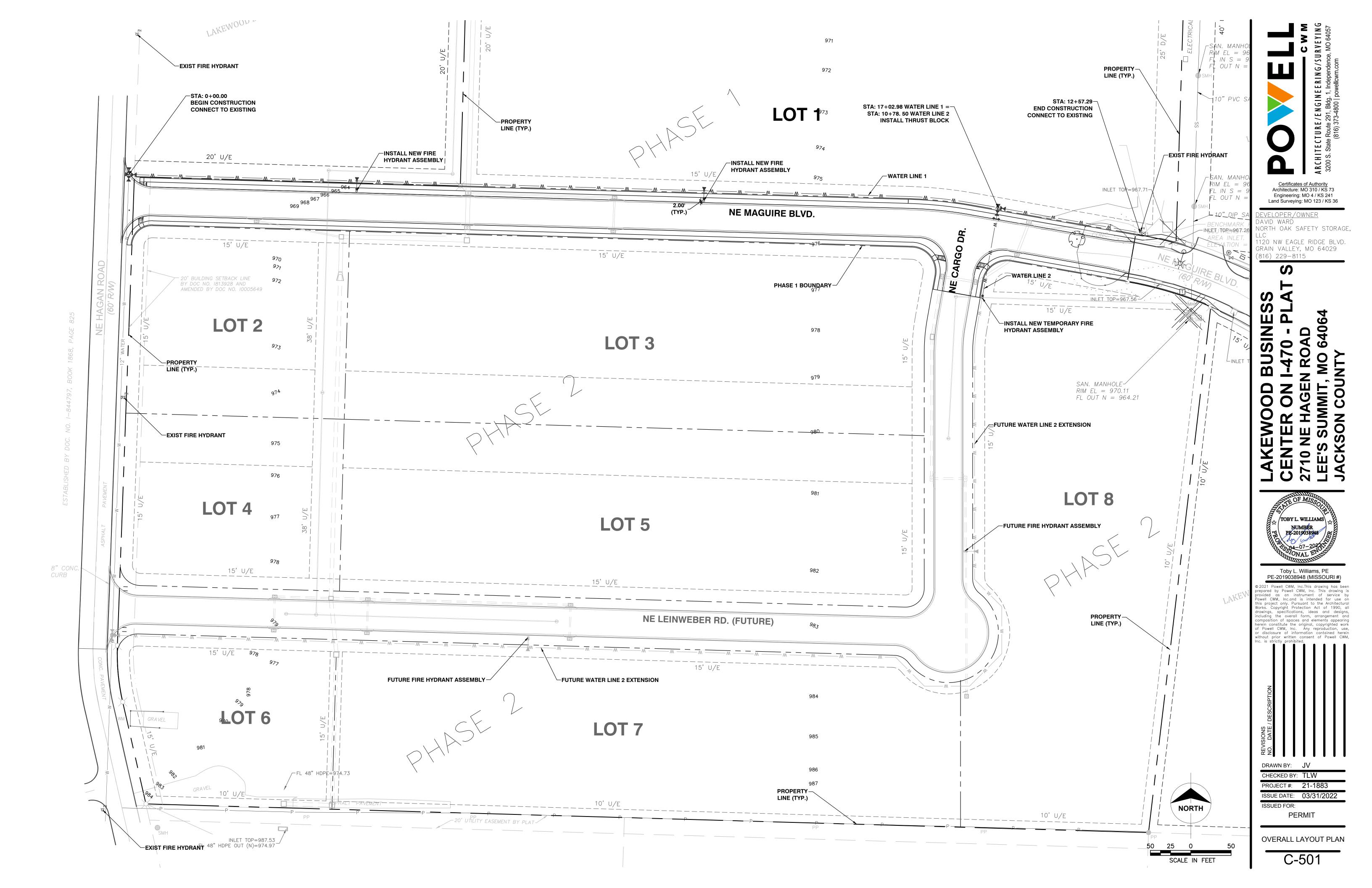
TOBY L. WILLIAMS

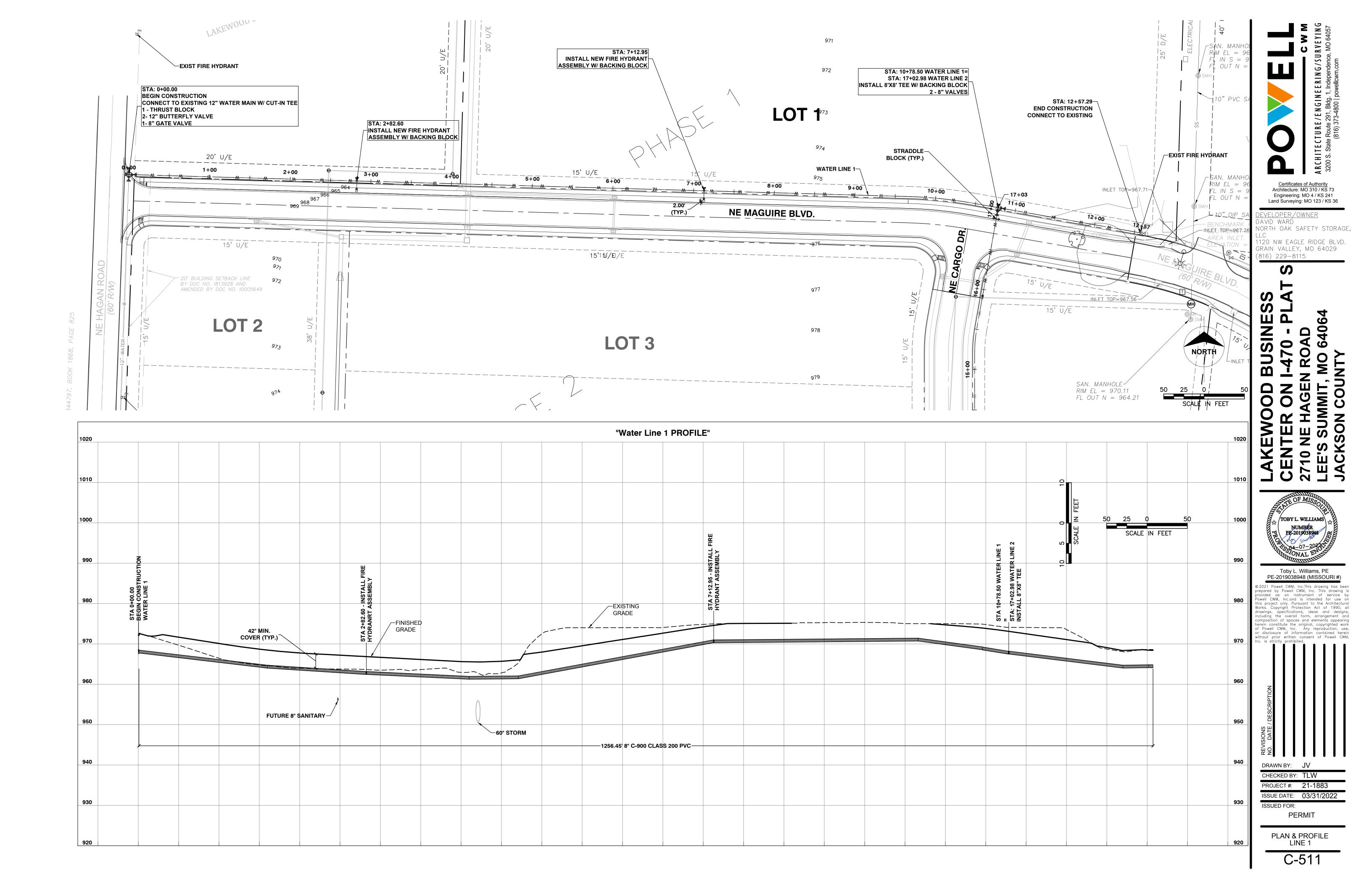


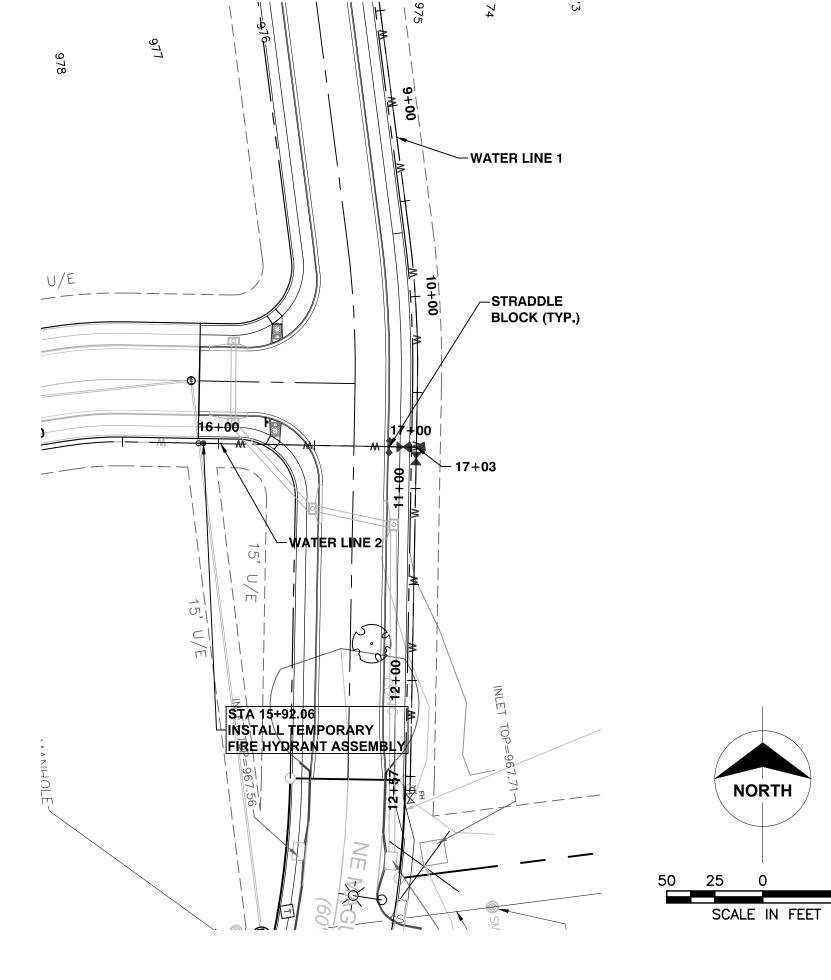
CHECKED BY: TLW PROJECT #: 21-1883

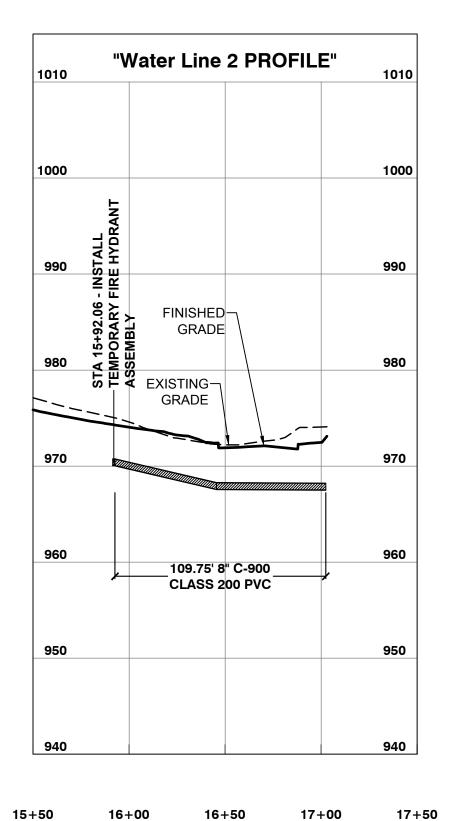
ISSUE DATE: 03/31/2022

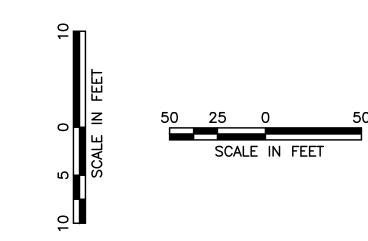
COVER SHEET

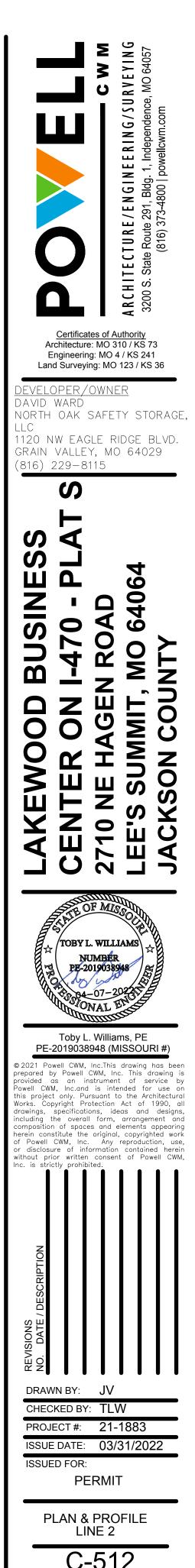


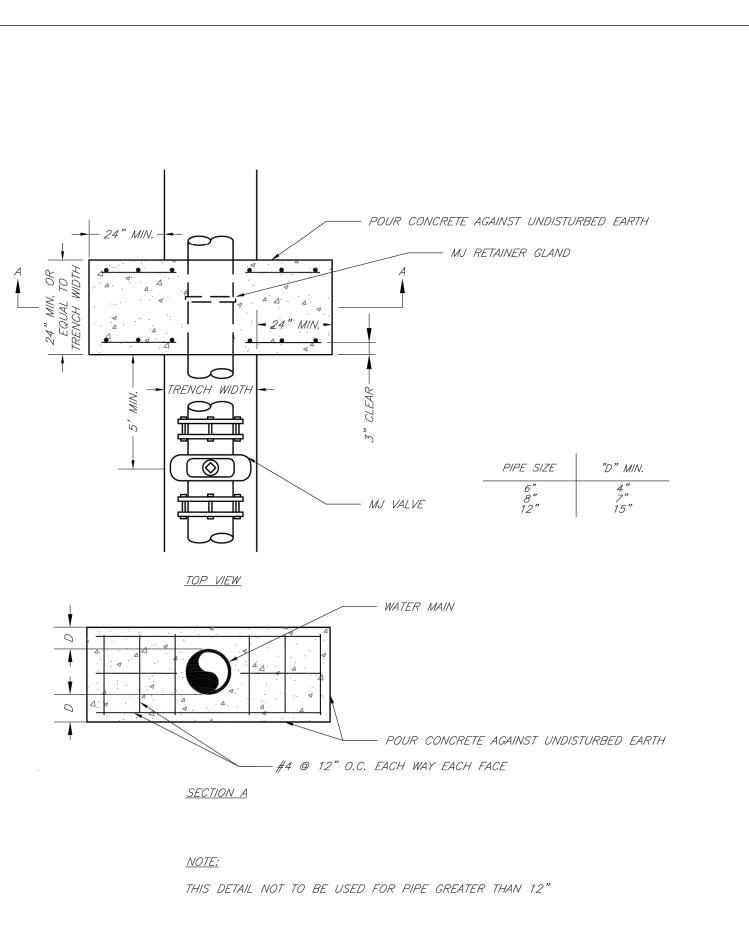




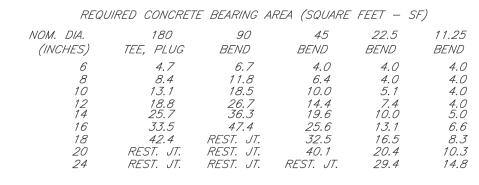


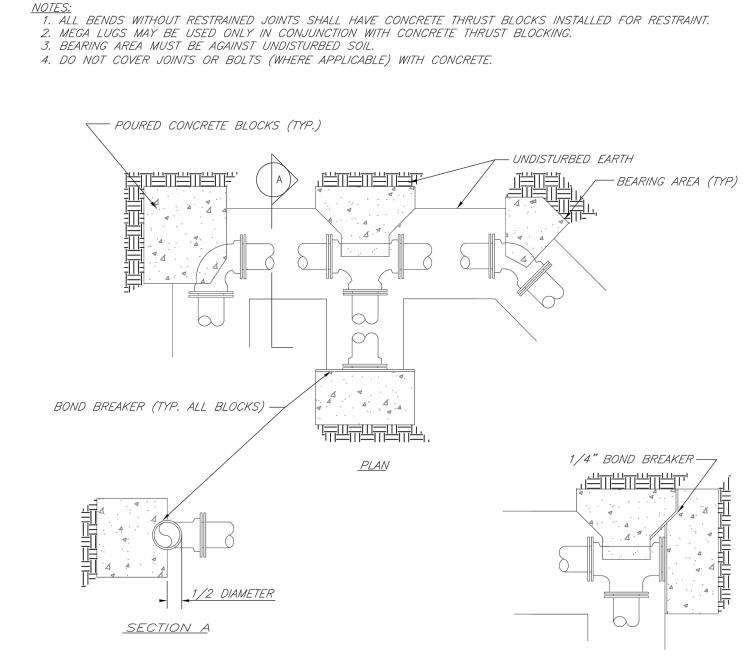










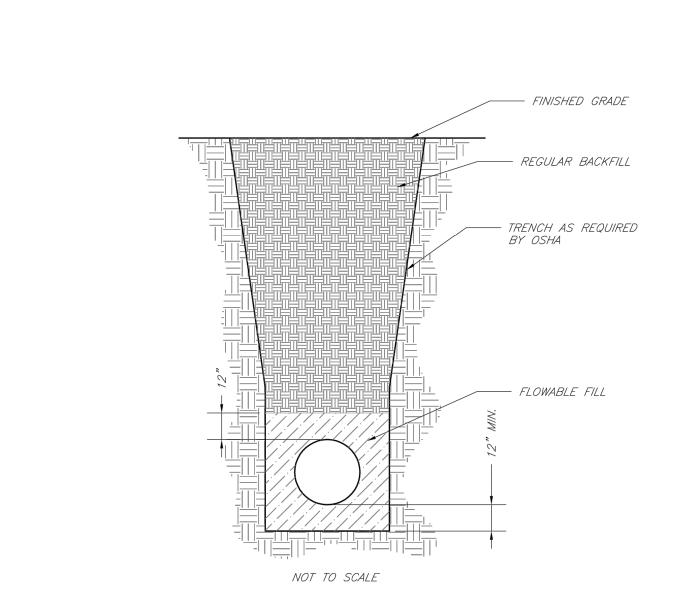


LEE'S SUMMIT

MISSOURI

HORIZONTAL THRUST BLOCKS

Rev: 1/14

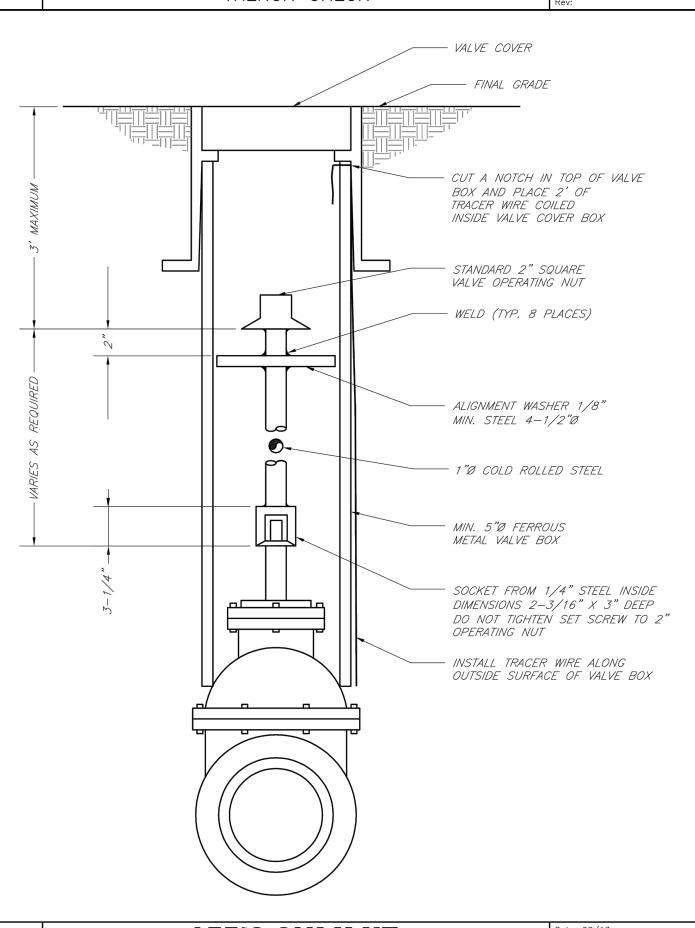


1. FLOWABLE FILL SHALL MEET THE REQUIREMENTS OF THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION

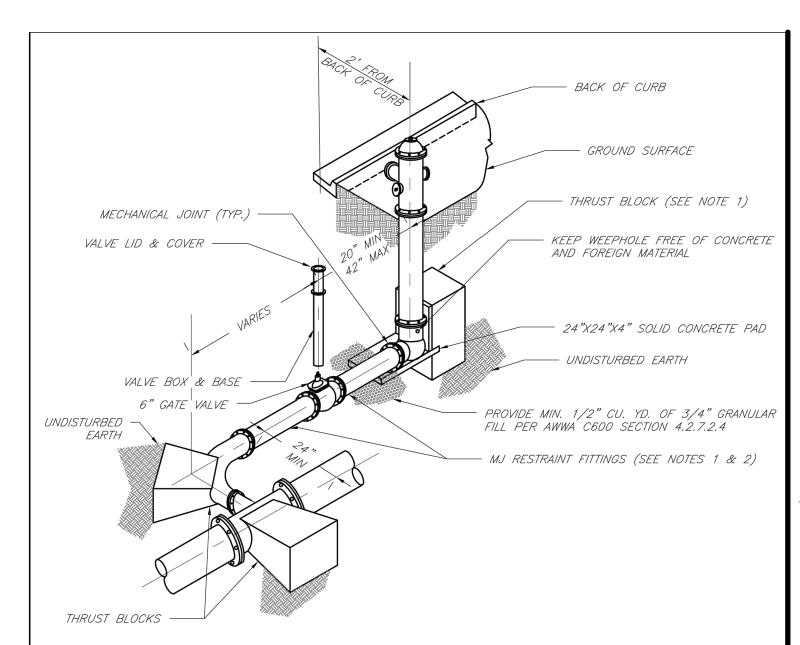
- 2. REGULAR BACKFILL ABOVE THE TRENCH CHECK SHALL BE FREE OF DEBRIS, ORGANIC MATTER, AND STONES
- > 6" IN ANY DIMENSION.
- 3. TOP OF FLOWABLE BACKFILL SHALL EXTEND 12" ABOVE THE TOP OF THE PIPE. 4. LENGTH OF TRENCH CHECK SHALL BE A MINIMUM OF 12".

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

Checked By: DL ILE: WAT-6



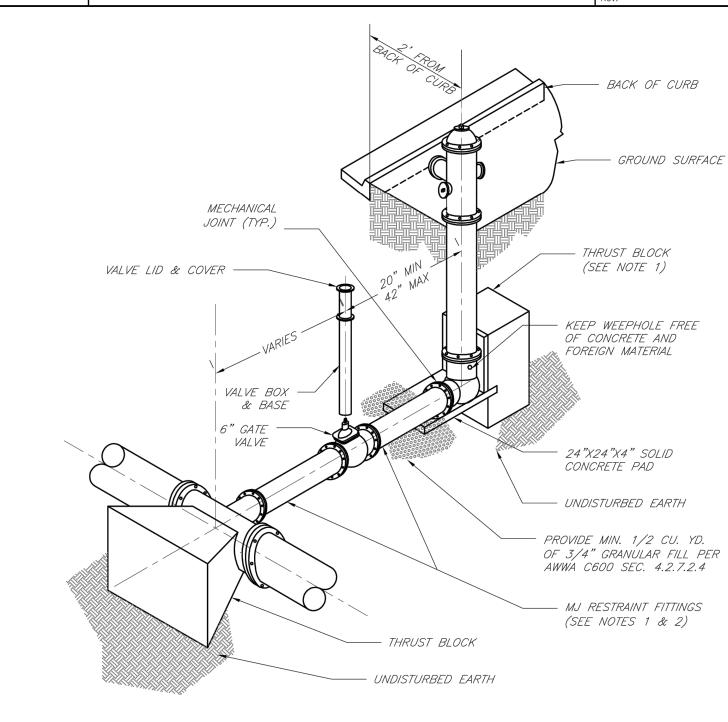




- 1. WHEN RETAINER GLANDS ARE USED IN LIEU OF MECHANICAL JOINT (MJ) RESTRAINT FITTINGS,
- HORIZONTAL THRUST BLOCKS ARE REQUIRED. 2. GATE VALVE MAY BE BOLTED DIRECTLY TO MJ RESTRAINT TEE.
- 3. SEE APPROVED PRODUCTS LIST FOR WATER UTILITIES FOR FIRE HYDRANT, VALVES, VALVE BOX LID,
- 4. BOTTOM HYDRANT FLANGE SHALL BE 2" TO 6" ABOVE FINISHED GRADE. 5. FOR STREETS WITHOUT CURBS FIRE HYDRANTS SHALL BE PLACED WITHIN 1 FOOT OF THE R/W LINE, BUT NOT MORE THAN 10' FROM EDGE OF PAVEMENT. FIRE HYDRANT SHALL NOT BE PLACED IN
- 6. HYDRANT SHALL BE ROTATED AS DIRECTED BY INSPECTOR.



LEE'S SUMMIT MISSOURI Checked By: DL PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063 HYDRANT WITH 90 DEGREE BEND



NOTES:

- 1. WHEN RETAINER GLANDS ARE USED IN LIEU OF MECHANICAL JOINT (MJ) RESTRAINT FITTINGS, HORIZONTAL THRUST BLOCKS ARE REQUIRED.

 2. GATE VALVE MAY BE BOLTED DIRECTLY TO MJ RESTRAINT TEE.
- 3. SEE APPROVED PRODUCTS LIST FOR WATER UTILITIES FOR FIRE HYDRANT, VALVES, VALVE BOX LID,
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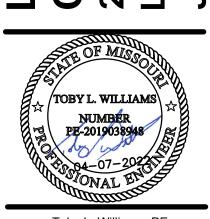
AVID WARD ORTH OAK SAFETY STORAGE, 120 NW EAGLE RIDGE BLVD. GRAIN VALLEY, MO 64029 816) 229-8115 0

Architecture: MO 310 / KS 73

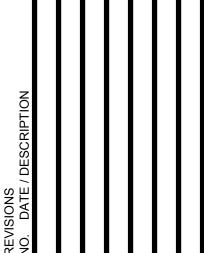
Engineering: MO 4 / KS 241

Land Surveying: MO 123 / KS 36

EVELOPER/OWNER



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DRAWN BY:

CHECKED BY: TLW PROJECT #: 21-1883

ISSUED FOR: PERMIT

ISSUE DATE: 03/31/2022

DETAILS