

# THE TOWNHOMES OF CHAPEL RIDGE-2ND PLAT

## LOTS 9-19 & TRACTS A-D WATER LINE CONSTRUCTION PLANS

Section 8, Township 48 North, Range 31 West  
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

WATER:  
1 ~ THE CONTRACTOR SHALL COORDINATE WITH THE DEVELOPMENT  
ENGINEERING INSPECTOR PRIOR TO ANY CONNECTIONS TO THE PUBLIC  
WATER SUPPLY.

2 ~ FIRE HYDRANTS SHALL BE OPTIC YELLOW WATEROUS "PACER" MODEL NO.  
WB-67-250 WITH NON-RISING STEM OR CITY ENGINEER APPROVED EQUAL.  
HYDRANTS SHALL HAVE A 5 1/4" VALVE WITH A 4 1/2" PUMPER NOZZLE AND 2 - 2  
1/2" HOSE NOZZLES (LEFT HAND OPENING).

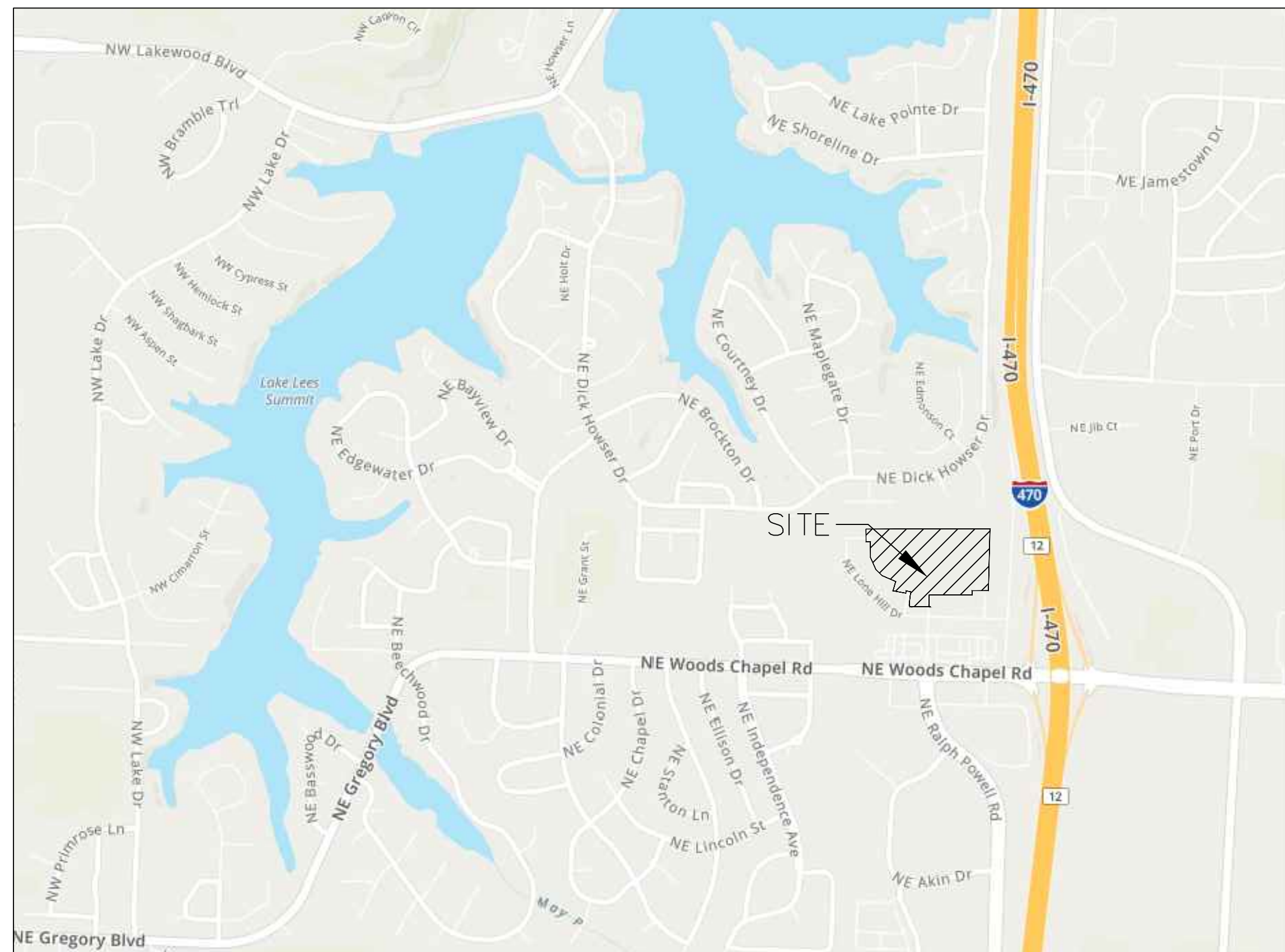
3 ~ GATE VALVES SHALL BE MUELLER NO. 2360 Series HUB END "O" RING SEAL  
NON-RISING STEM. VALVES 12" OR LARGER SHALL BE BUTTERFLY VALVES  
MANUFACTURED BY THE HENRY PRATT COMPANY OR CITY ENGINEER  
APPROVED EQUAL. LEFT HAND OPENING. MINIMUM 200# TESTING AWWA.

4 ~ ALL WATER MAINS SHALL BE CONSTRUCTED WITH A MINIMUM COVER OF  
42 INCHES. STREET GRADING SHALL BE COMPLETED PRIOR TO BEGINNING  
CONSTRUCTION OF WATER MAINS.

5 ~ ALL BENDS, TEES AND FIRE HYDRANTS SHALL BE INSTALLED WITH  
SUITABLE CONCRETE THRUST BLOCKS POURED IN PLACE AGAINST  
UNDISTURBED EARTH AND PER CITY OF LEES SUMMIT AND APWA  
STANDARDS.

6 ~ THE MINIMUM SEPARATION BETWEEN THE PROPOSED WATER MAIN AND  
SANITARY OR STORM SEWERS IS AS FOLLOWS:  
A ~ SANITARY SEWERS: HORIZONTAL = 10 FEET - VERTICAL = 18 INCHES  
B ~ STORM SEWERS: HORIZONTAL = 10 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.

7 ~ ALL CONSTRUCTION SHALL FOLLOW THE CITY OF LEE'S SUMMIT DESIGN  
AND CONSTRUCTION MANUAL AS ADOPTED BY ORDINANCE 5813

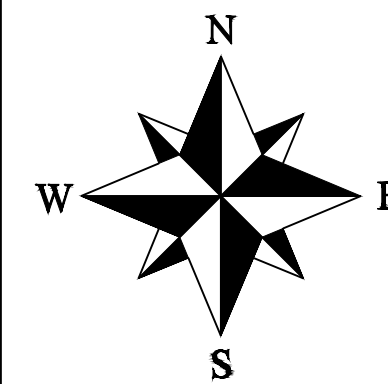


### SITE LOCATION MAP

**INDEX OF SHEETS:**  
C.500 ~ COVER SHEET  
C.501 ~ WATER MAIN GENERAL LAYOUT  
C.502 ~ WATER MAIN LINE PLAN & PROFILE  
C.503 ~ WATER MAIN LINE PLAN & PROFILE  
C.504 ~ DETAIL SHEET

### UTILITY COMPANIES:

THE FOLLOWING LIST OF UTILITY COMPANIES IS PROVIDED FOR INFORMATION ONLY. WE DO NOT OFFER ANY  
GUARANTEE OR WARRANTY THAT THIS LIST IS COMPLETE OR ACCURATE. THE CONTRACTOR SHALL BE  
RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES THAT MAY BE AFFECTED BY THE PROPOSED  
CONSTRUCTION AND VERIFYING THE ACTUAL LOCATION OF EACH UTILITY LINE. THE CONTRACTOR SHALL NOTIFY  
ENGINEERING SOLUTIONS AT 816.623.9888 OF ANY CONFLICT WITH PROPOSED IMPROVEMENTS.  
EVERGY ~ 298-1196  
MISSOURI GAS ENERGY ~ 756-5261  
SOUTHWESTERN BELL TELEPHONE ~ 761-5011  
COMCAST CABLE ~ 795-1100  
WILLIAMS PIPELINE ~ 422-6300  
CITY OF LEE'S SUMMIT PUBLIC WORKS ~ 969-1800  
CITY OF LEE'S SUMMIT DEVELOPMENT ENGINEERING INSPECTION AT 816.969.1200  
CITY OF LEE'S SUMMIT WATER UTILITIES ~ 969-1900  
MISSOURI ONE CALL (DIG RITE) ~ 1-800-344-7483



**LEGEND:**  
B/L ~ BUILDING SET-BACK  
C/A ~ COMMON AREA  
D/E ~ DRAINAGE EASEMENT  
FND. ~ FOUND  
L/E ~ LANDSCAPE EASEMENT  
L.N.A. ~ LIMITS OF NO ACCESS  
R/W ~ RIGHT OF WAY  
SAN ~ SANITARY SEWER LINE  
S/W ~ SIDEWALK  
U/E ~ UTILITY EASEMENT  
W ~ WATER LINE  
ST ~ STORM SEWER LINE

### 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 DESIGNED IN  
ACCORDANCE TO AASHTO STANDARDS.

### CITY OF LEE'S SUMMIT, MISSOURI

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

BY: \_\_\_\_\_  
CITY ENGINEER

**Accepted  
Record Drawings**

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

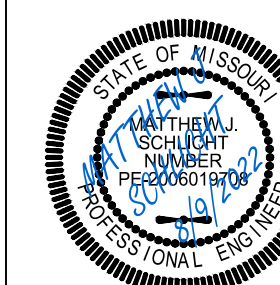
**RECORD DRAWING**  
The information provided on this drawing conforms to  
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design data has been replaced with "as-built" information. All  
other data is as designed and has not been field verified.  
Date: 8/9/2022  
Certified by: Matthew J. Schlicht  
Title: Engineer  
Firm: Engineering Solutions

Water Main Cover Sheet

Construction Plans for:  
THE TOWNHOMES OF CHAPEL RIDGE-2ND PLAT  
LOTS 9-19 & TRACTS A-D  
Lee's Summit, Jackson County, Missouri

THE TOWNHOMES OF CHAPEL RIDGE-2ND PLAT  
LOTS 9-19 & TRACTS A-D  
Lee's Summit, Jackson County, Missouri

Project: VILLAS OF CHAPEL  
RIDGE-LSMO  
Issue Date: April 10, 2020

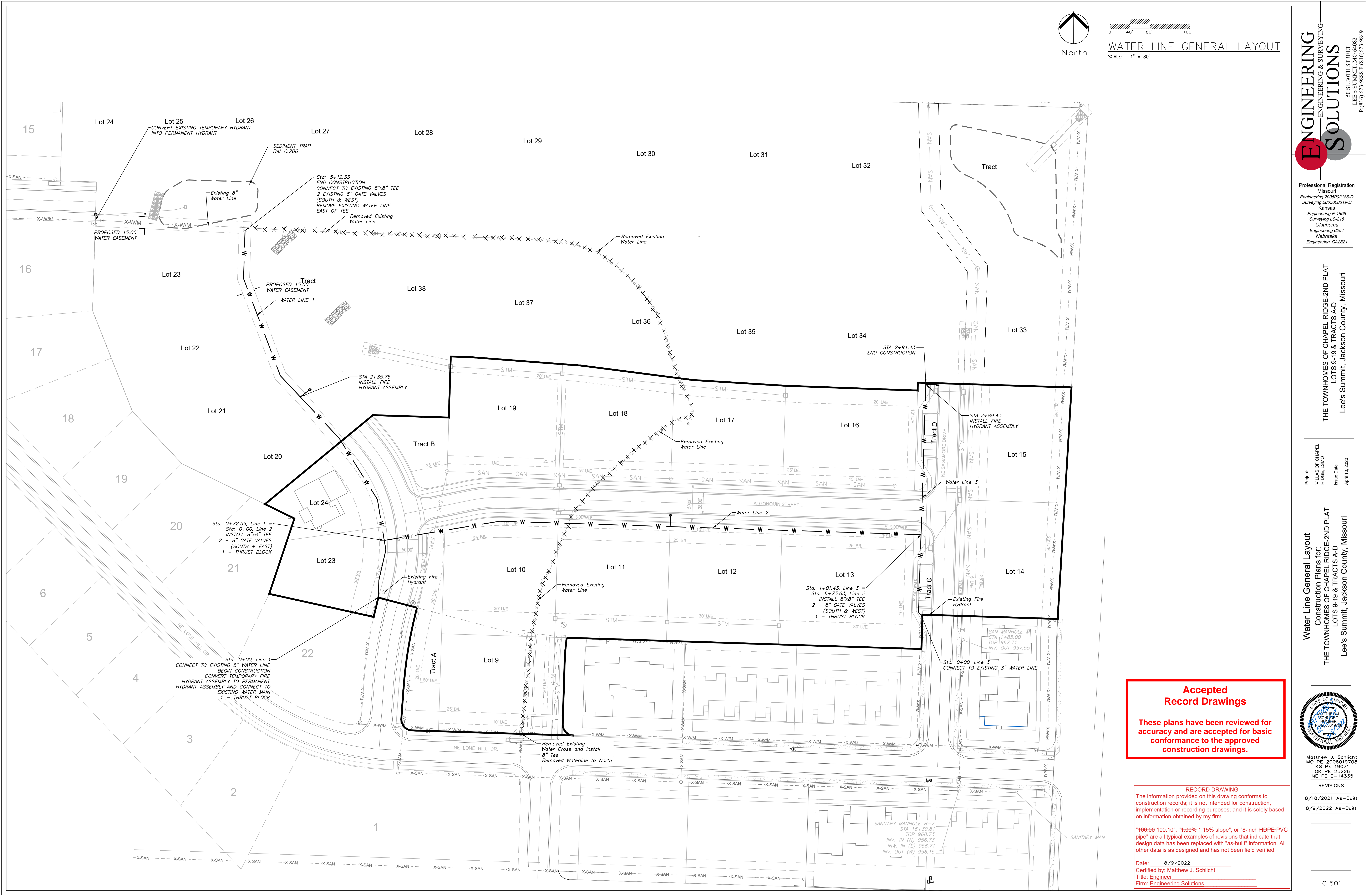


Matthew J. Schlicht  
MO PE 2006019708  
KS PE 19071  
OK PE 25226  
NE PE E-14335

**REVISIONS**  
8/18/2021 As-Built  
8/9/2022 As-Built

C. 500





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Certified by: Matthew J. Schlicht  
Title: Engineer  
Firm: Engineering Solutions

**ENGINEERING SOLUTIONS**  
ENGINEERING & SURVEYING  
50 SE 30TH STREET  
LEE'S SUMMIT, MO 64082  
P: (816) 623-9888 F: (816) 623-9849

Professional Registration  
Missouri  
Engineering 2005002186-D  
Surveying 2005008319-D  
Kansas  
Engineering E-1685  
Surveying LS-218  
Oklahoma  
Engineering 6254  
Nebraska  
Engineering CA2821

Project: VILLAGES OF CHAPEL RIDGE L3MO  
Issue Date: April 10, 2020

Water Line General Layout  
Construction Plans for:  
THE TOWNHOMES OF CHAPEL RIDGE-2ND PLAT  
LOTS 9-19 & TRACTS A-D  
Lee's Summit, Jackson County, Missouri

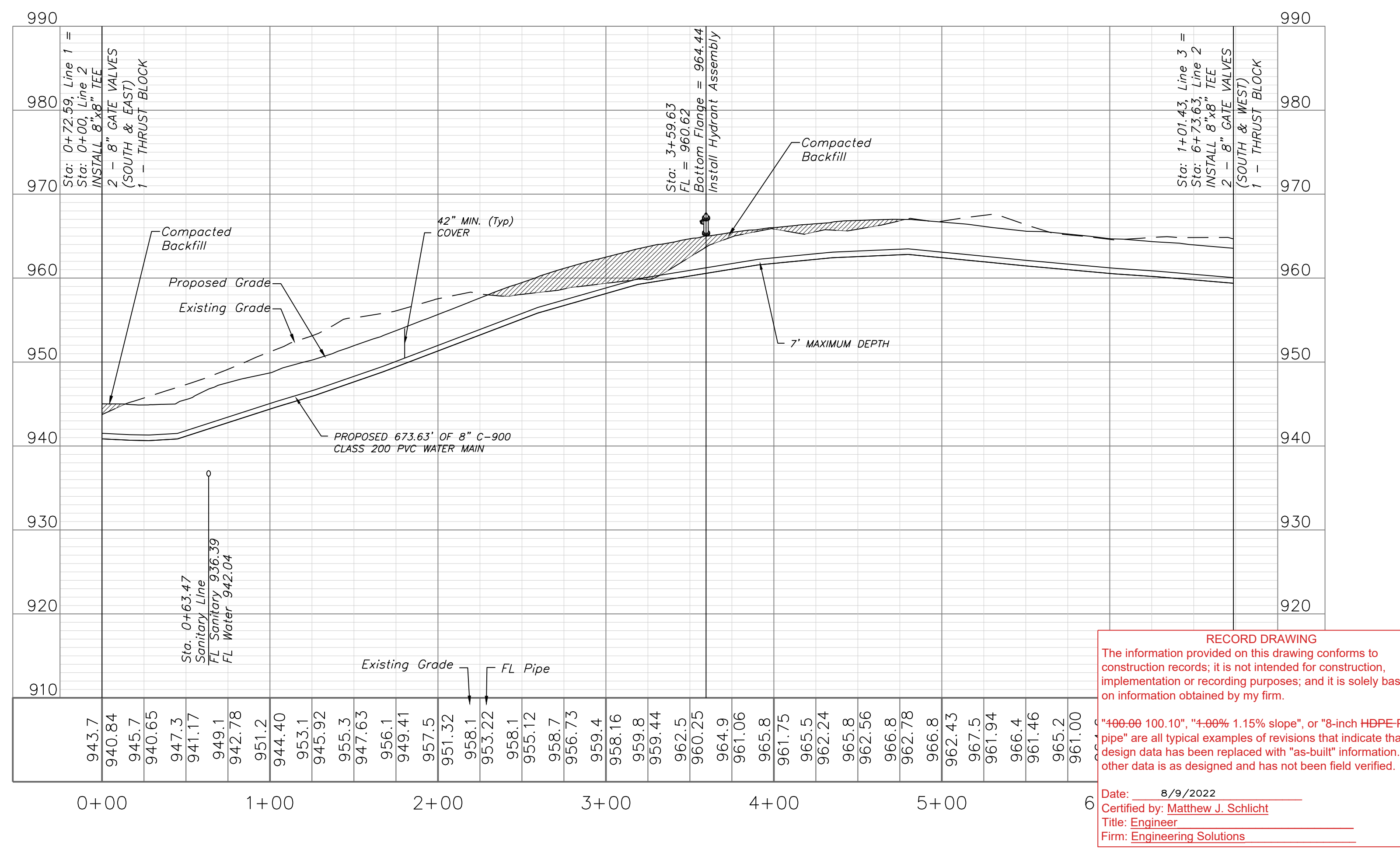
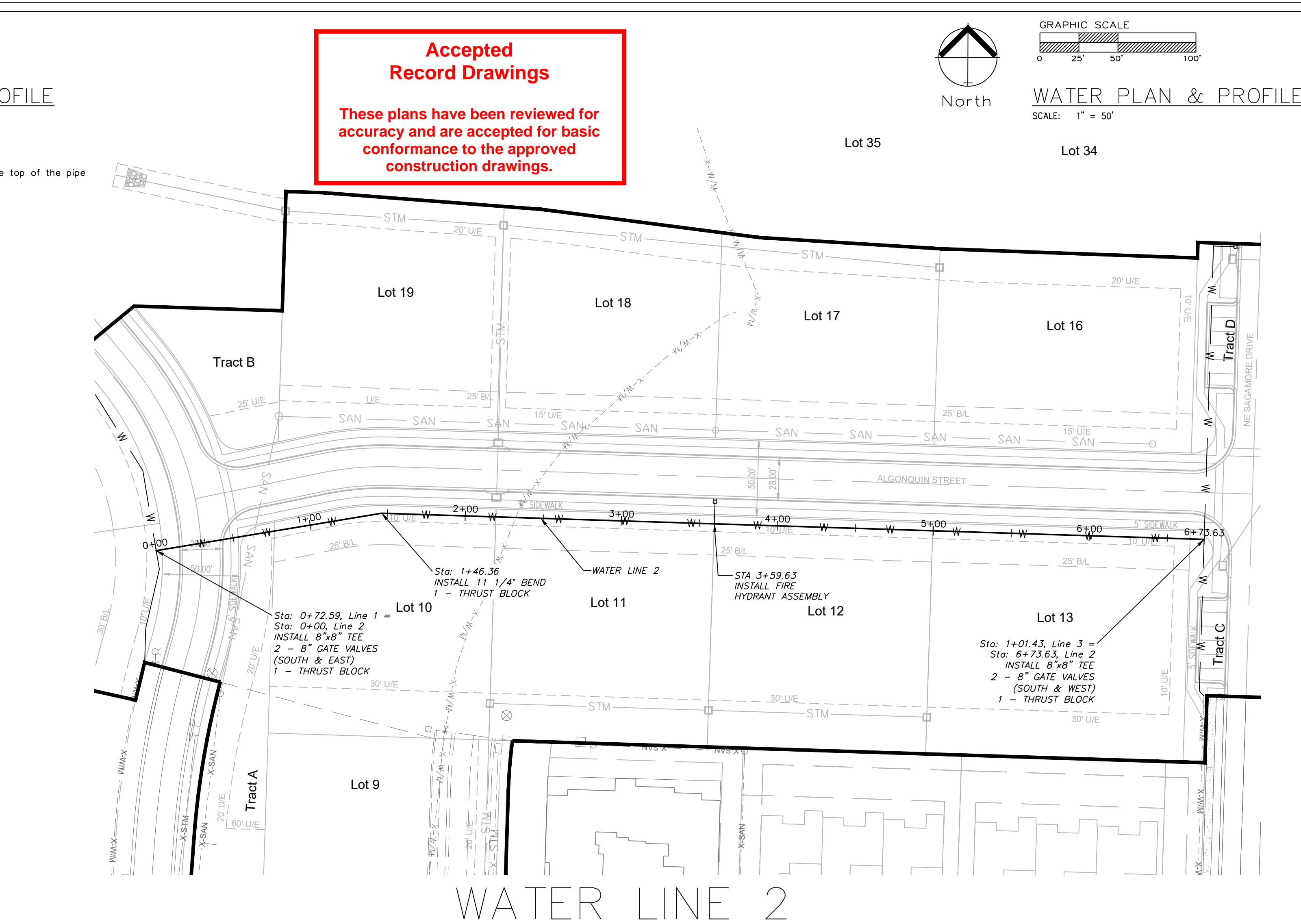
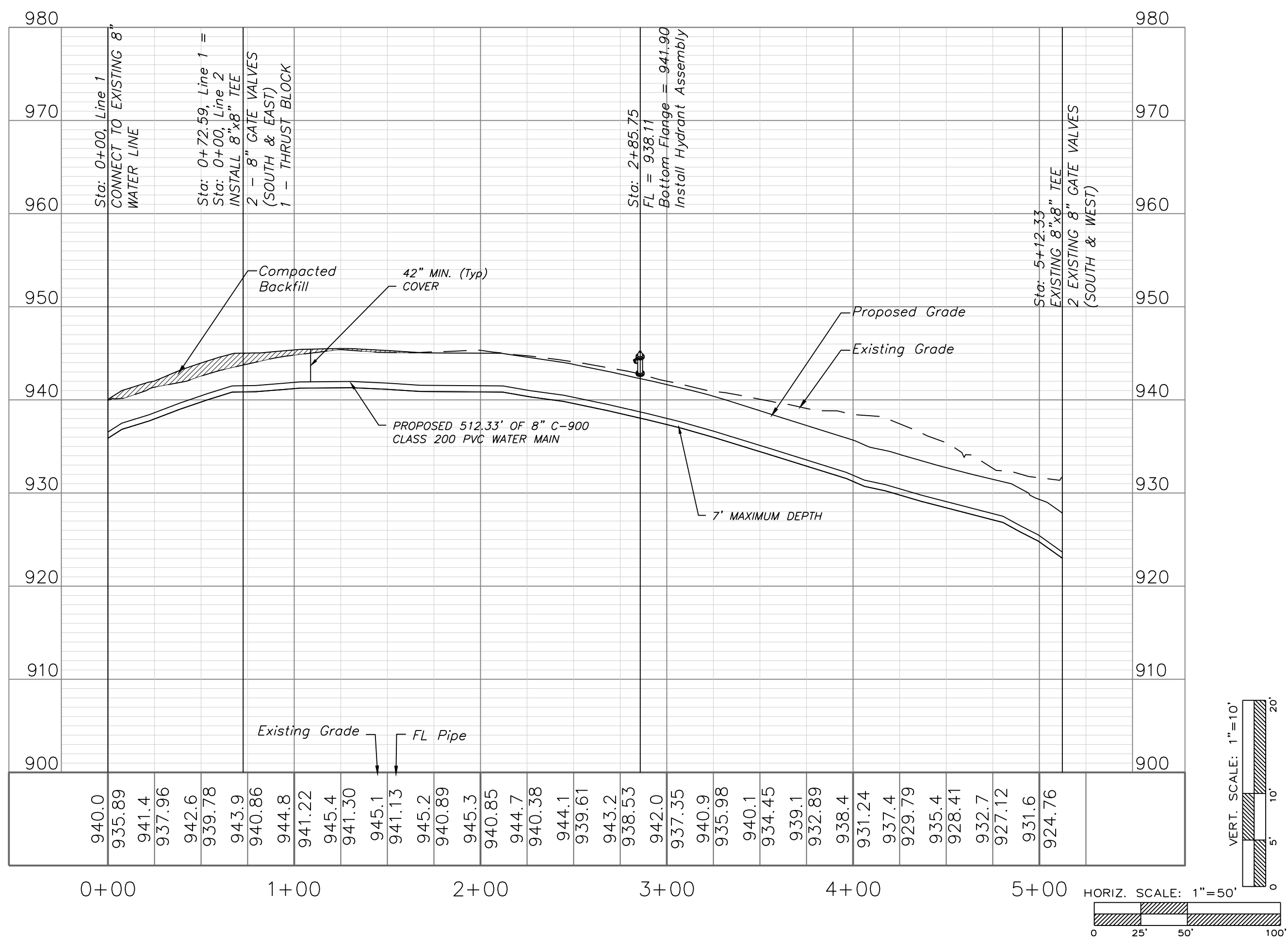
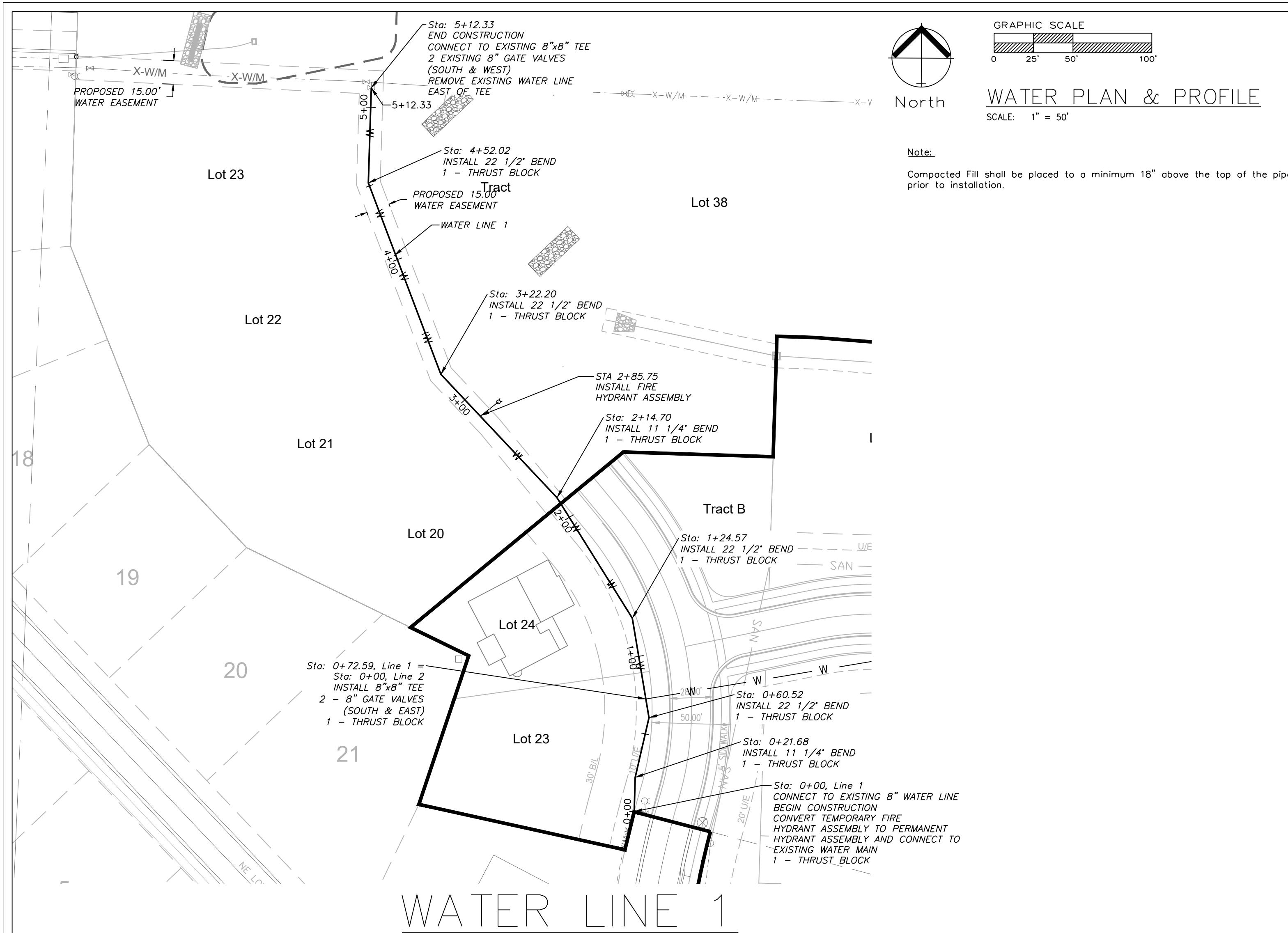
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C.501





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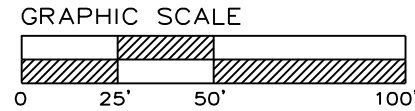
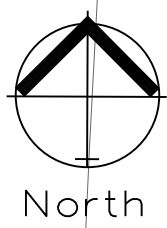
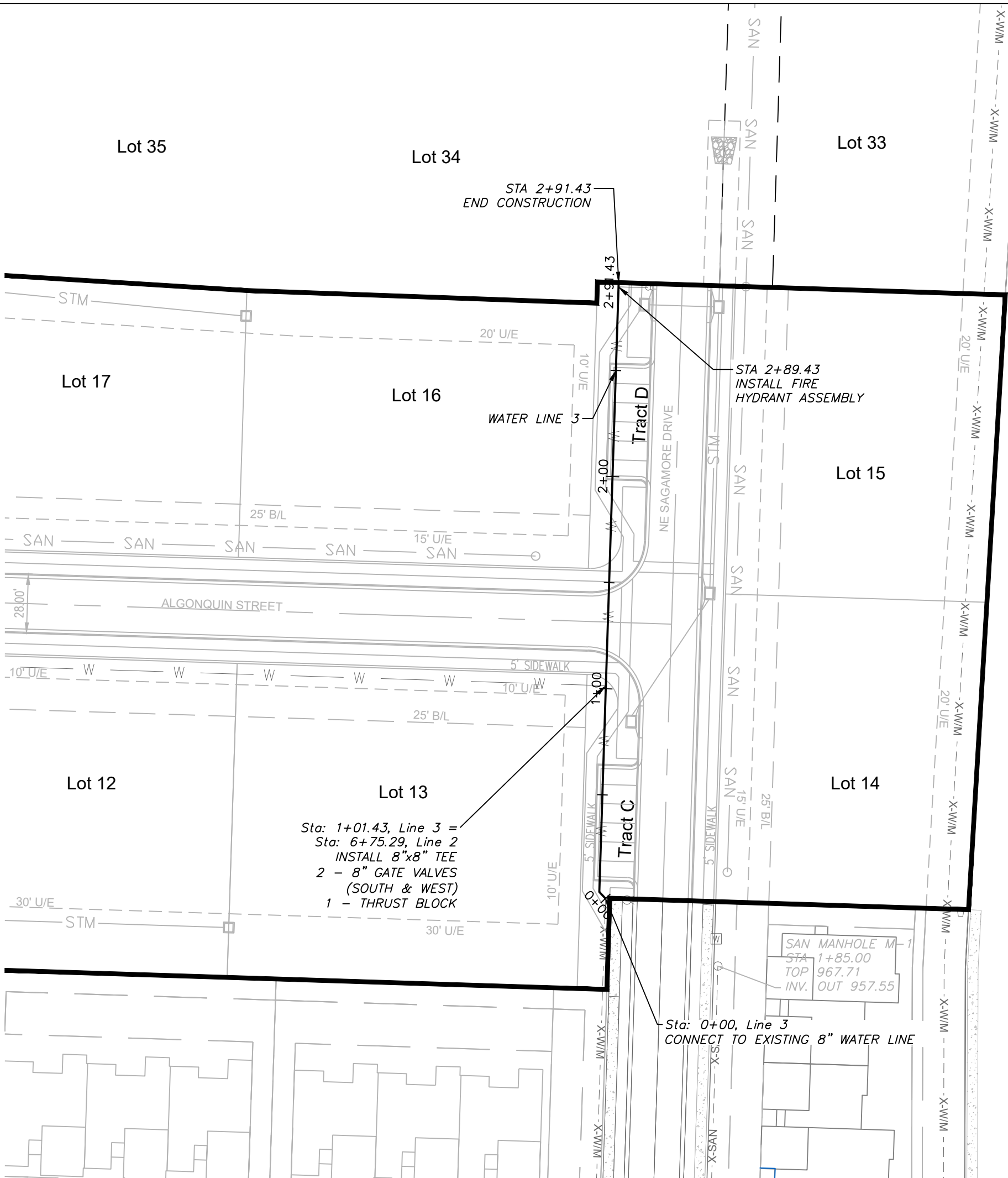
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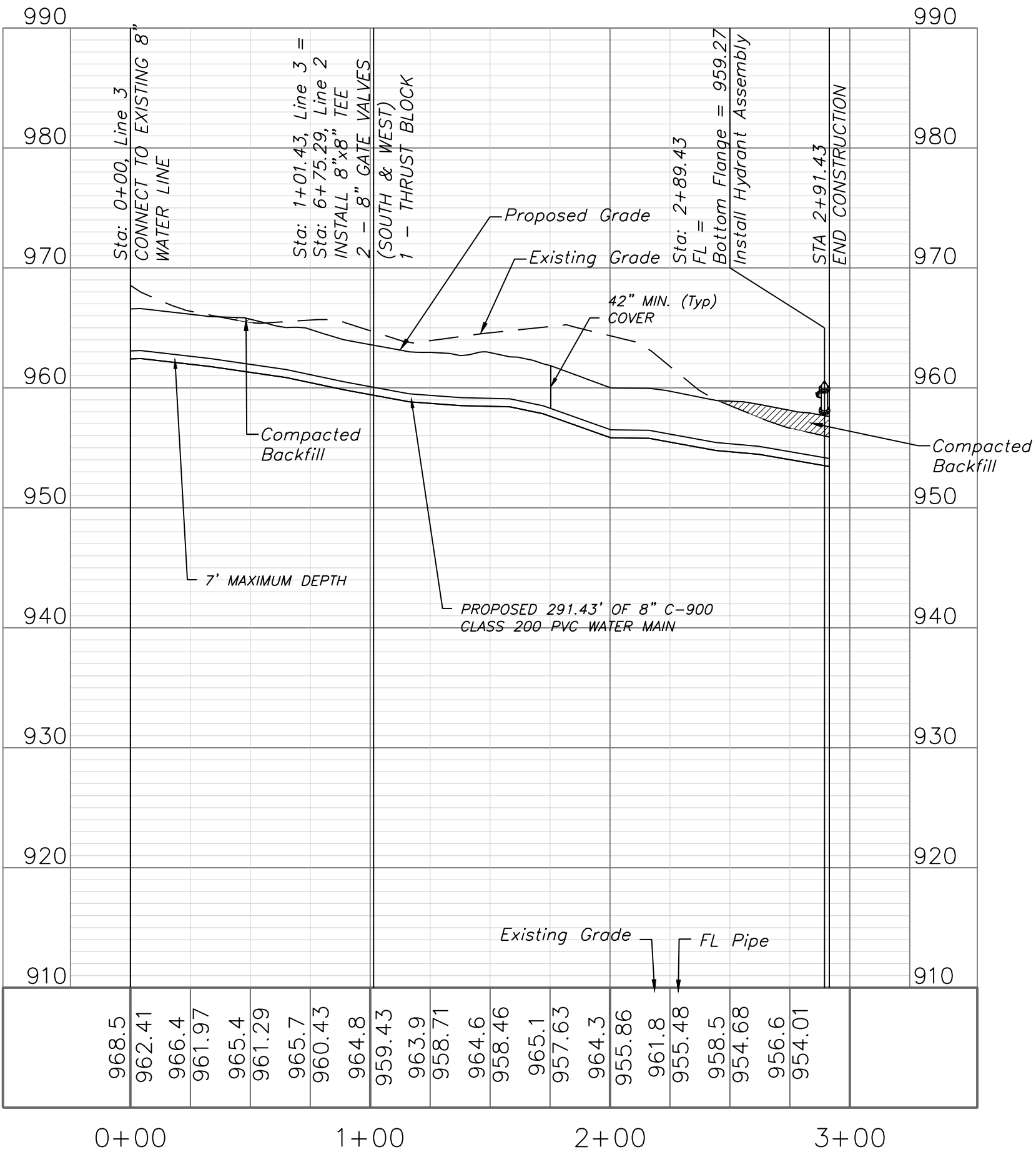
Firm: Engineering Solutions





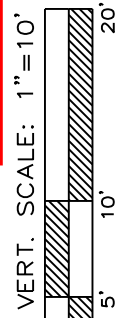
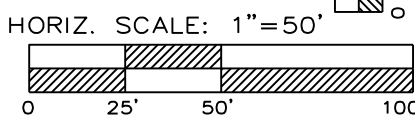
WATER PLAN & PROFILE  
SCALE: 1" = 50'

## WATER LINE 3



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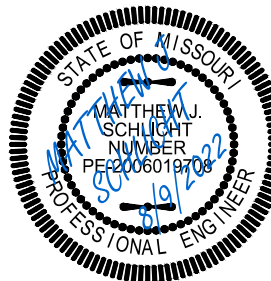


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Issue Date:  
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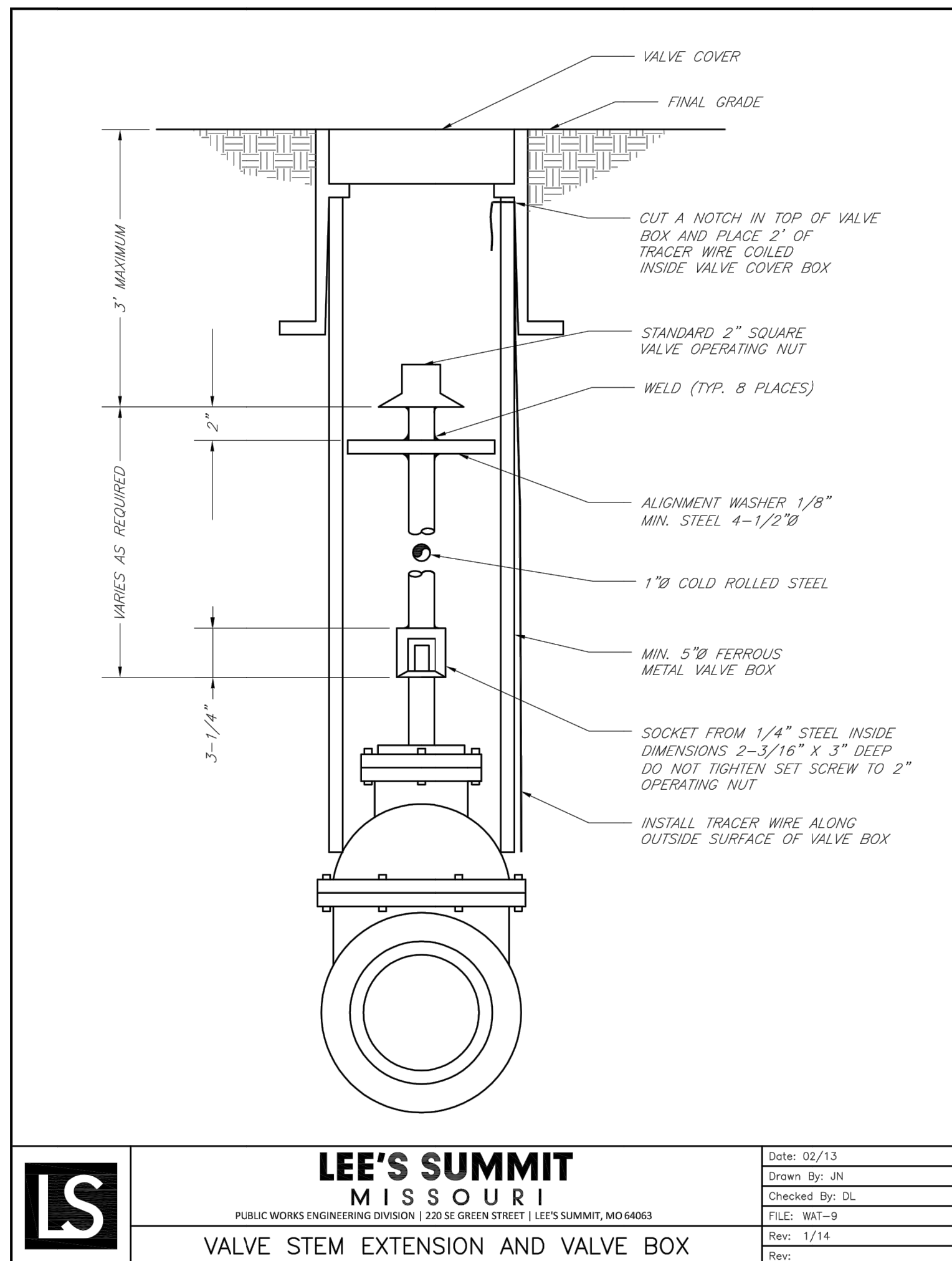
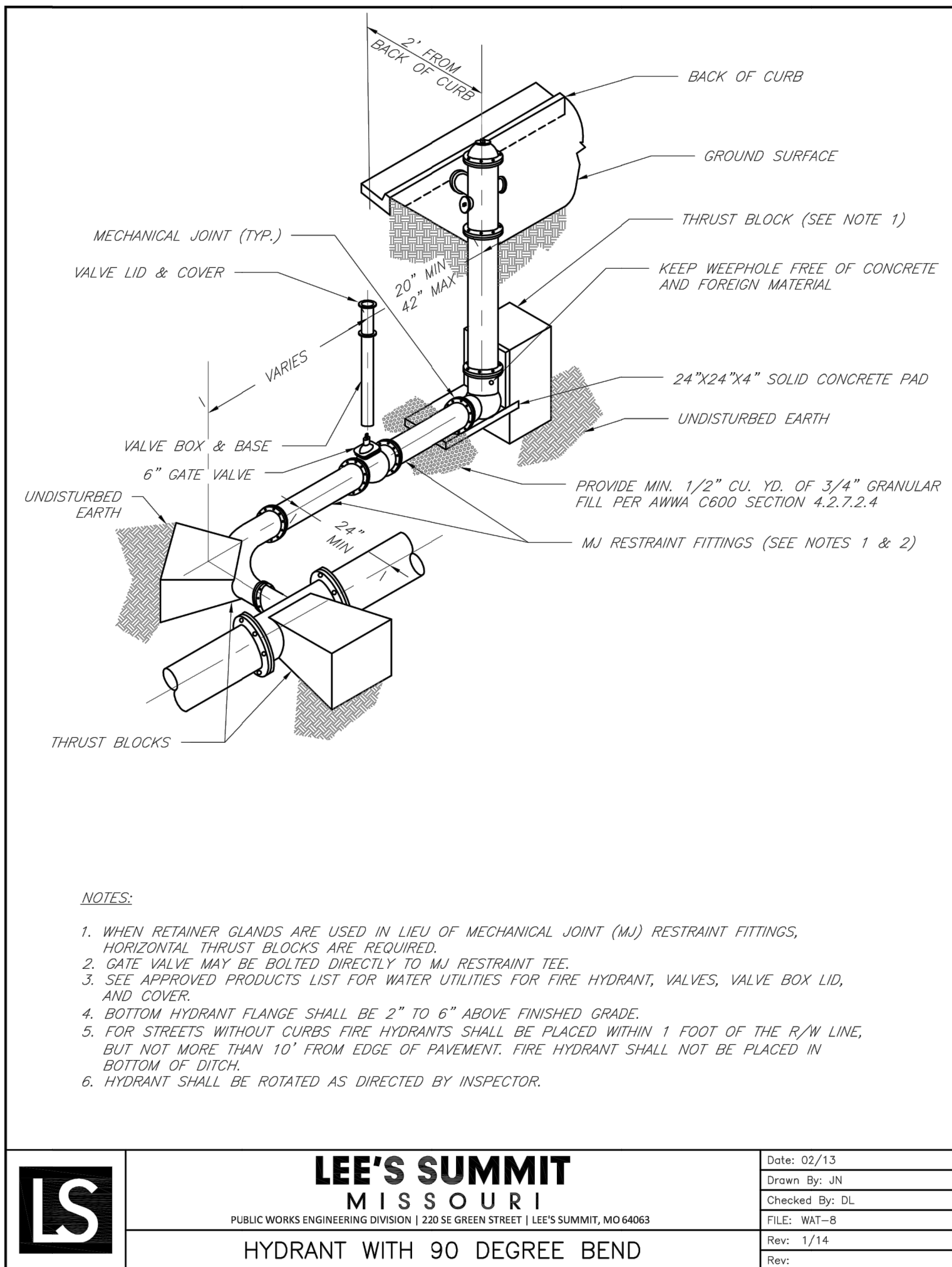
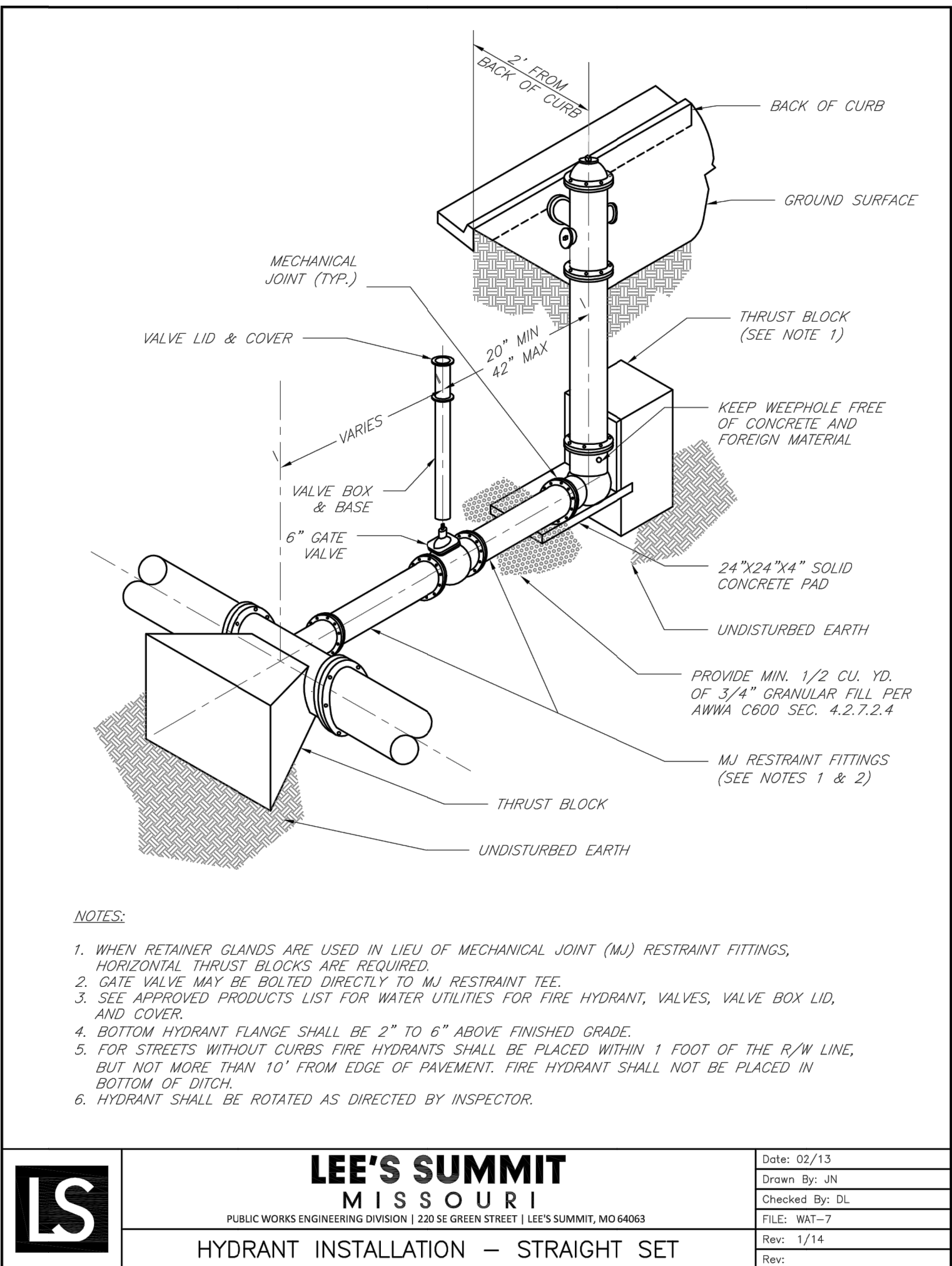
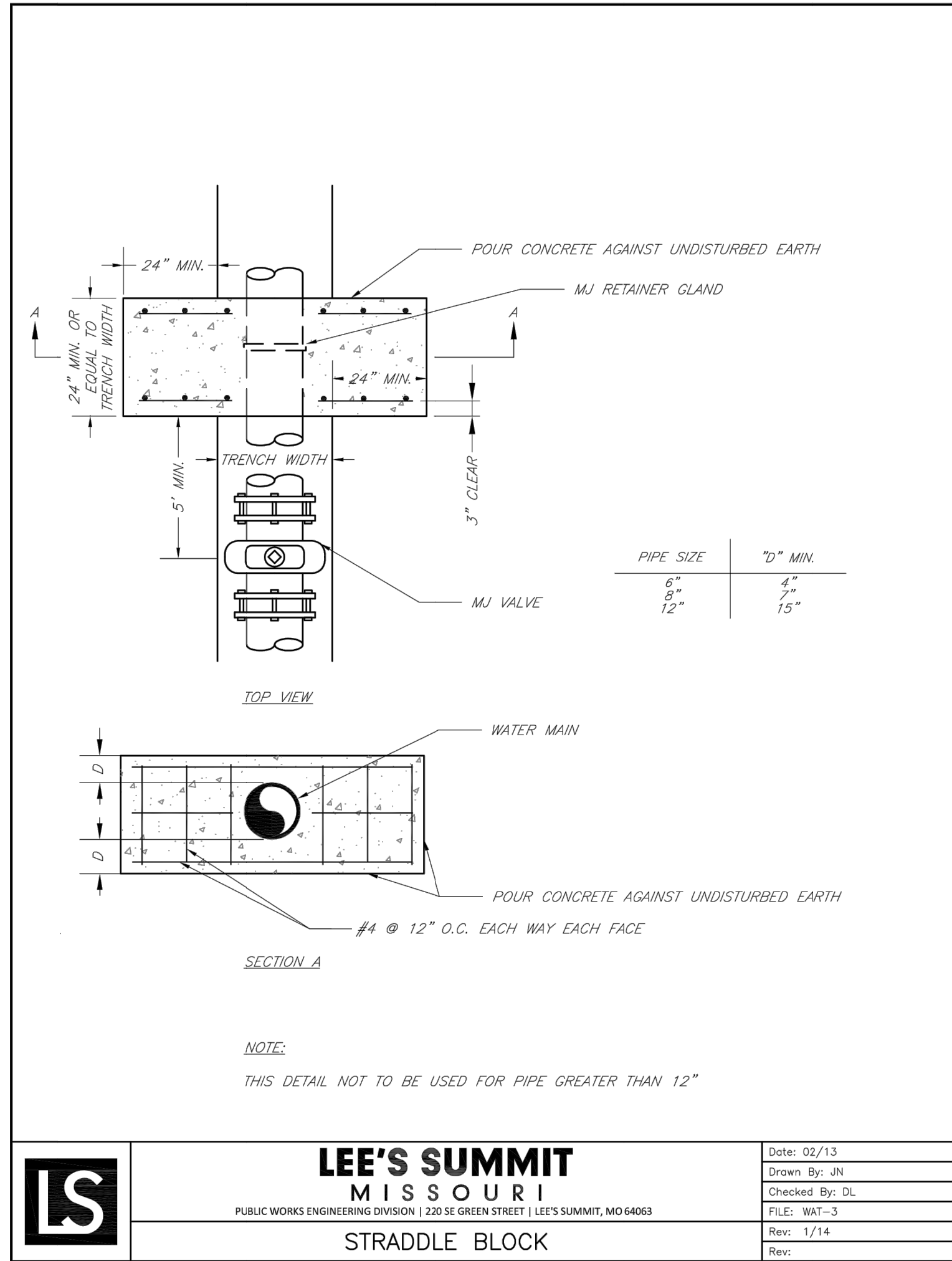
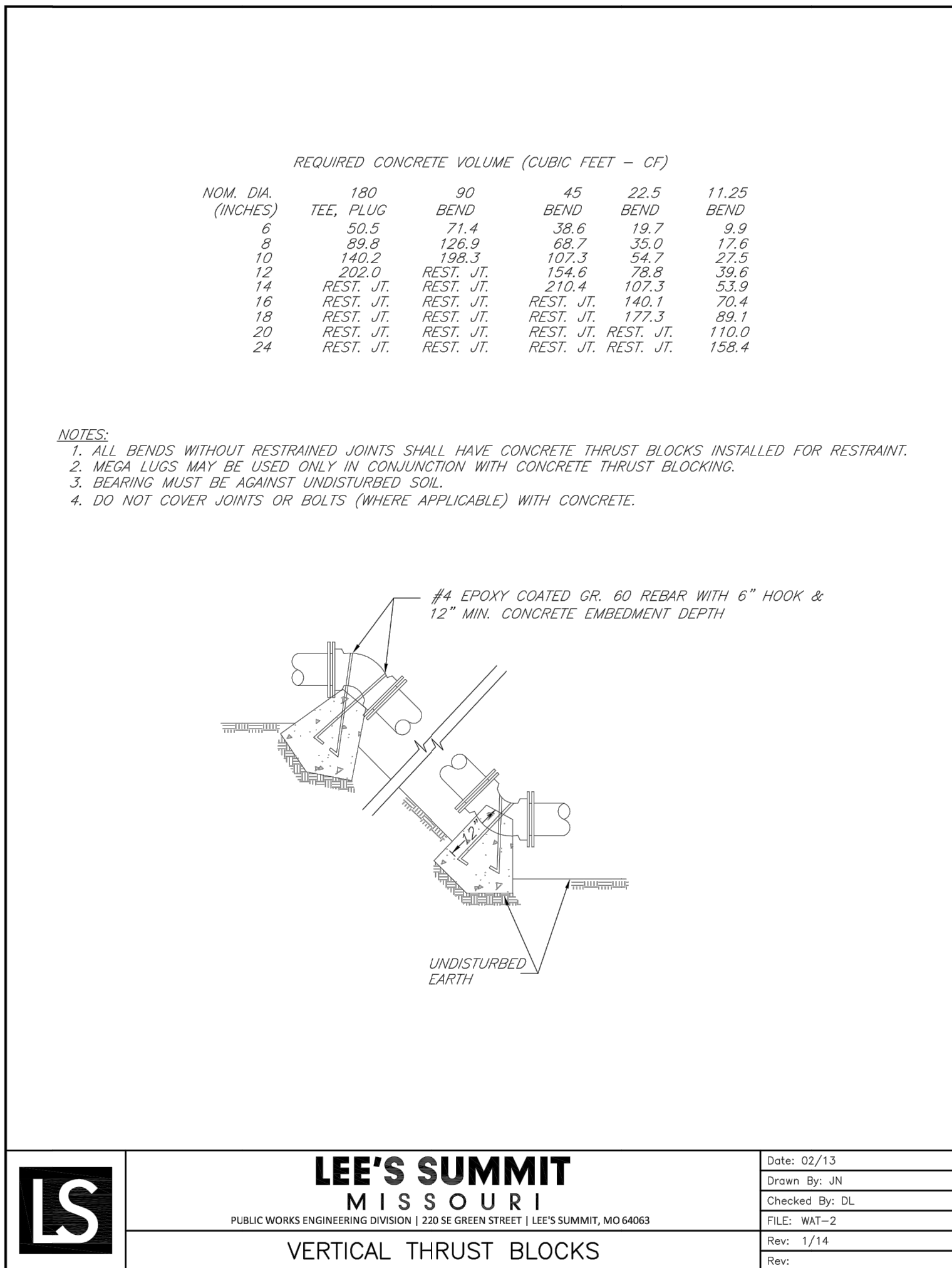
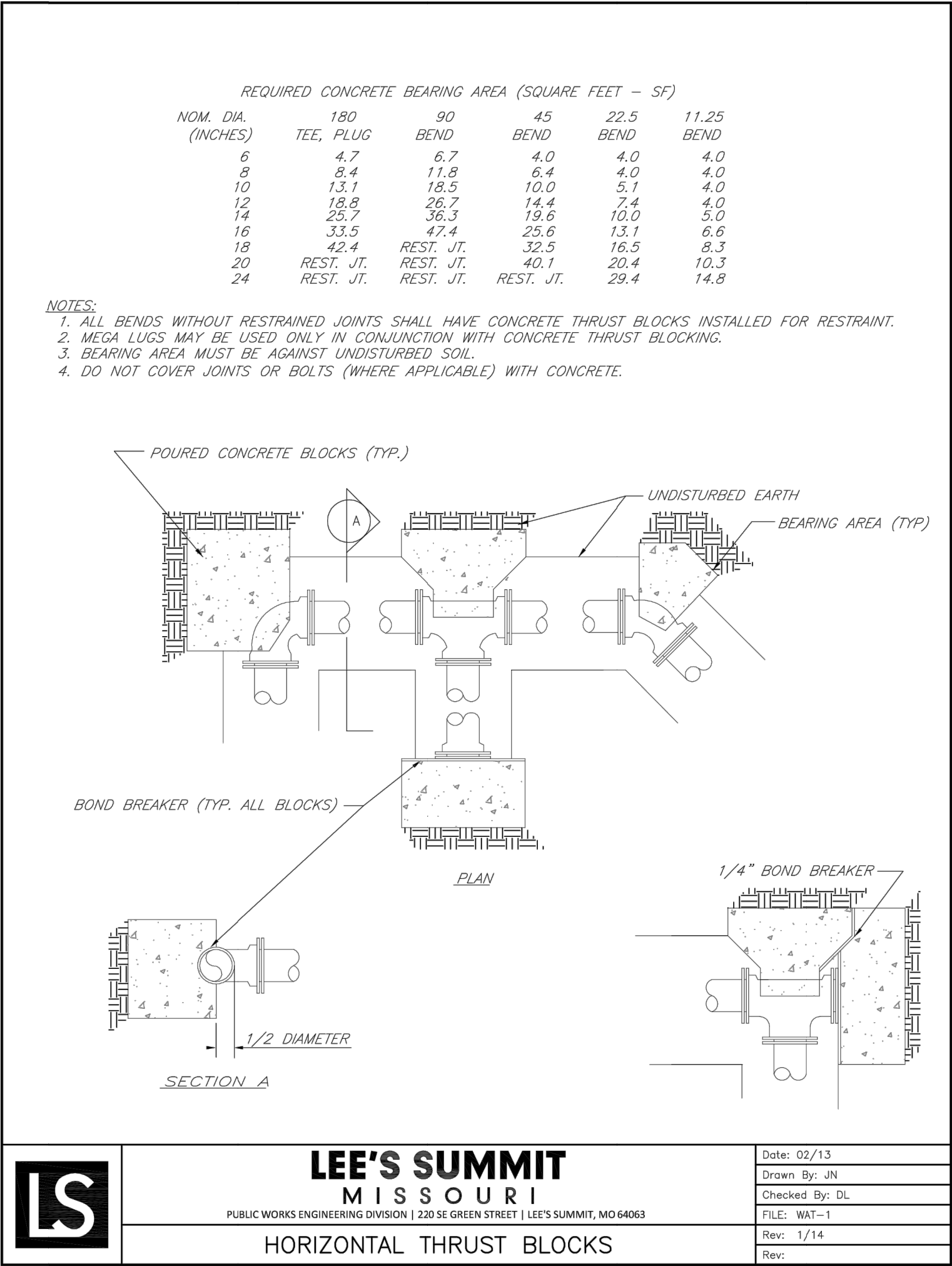
Water Main Plan and Profile, Line 2  
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