

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).

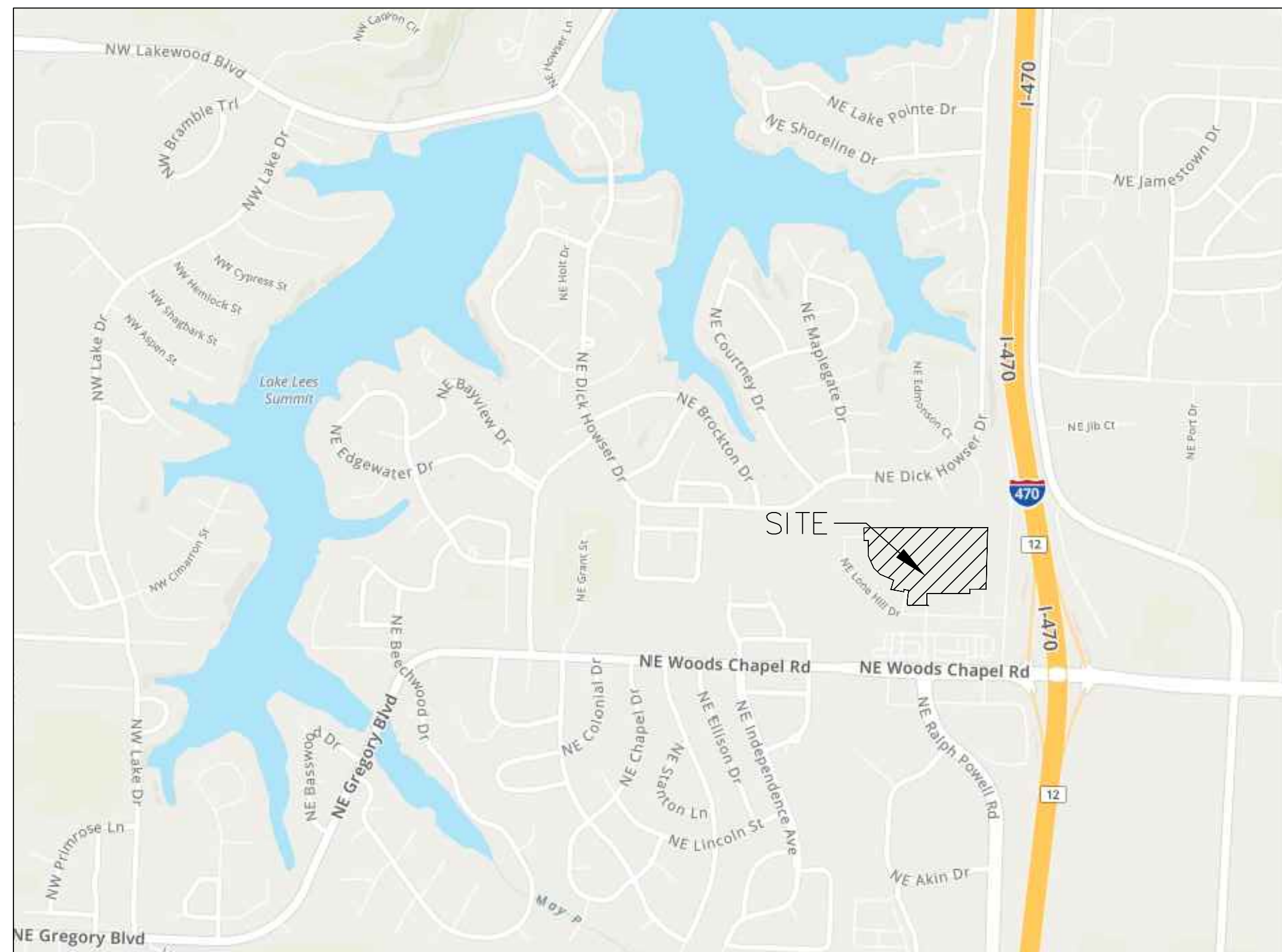
3 ~ GATE VALVES SHALL BE MUELLER NO. 2360 Series HUB END "O" RING SEAL
NON-RISING STEM. VALVES 12" OR LARGER SHALL BE BUTTERFLY VALVES
MANUFACTURED BY THE HENRY PRATT COMPANY OR CITY ENGINEER
APPROVED EQUAL. LEFT HAND OPENING. MINIMUM 200# TESTING AWWA.

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

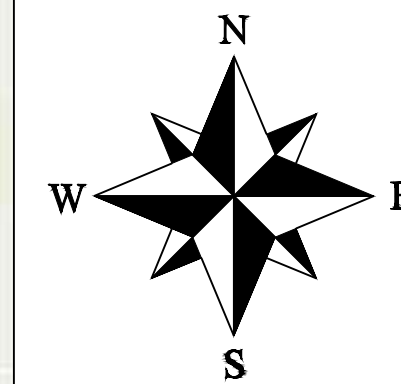


SITE LOCATION MAP

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

RECORD DRAWING
The information provided on this drawing conforms to
construction records; it is not intended for construction,
implementation or recording purposes; and it is solely based
on information obtained by my firm.
"100-00 100.10", "4-00% 1.15% slope", or "8-inch HDPE-PVC
pipe" are all typical examples of revisions that indicate that
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

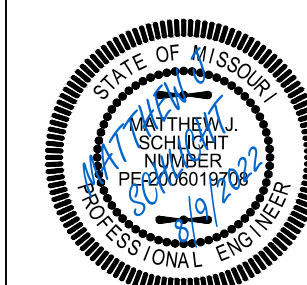


Professional Registration
Missouri
Engineering 2005002186-D
Surveying 2005008319-D
Kansas
Engineering E-1685
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

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

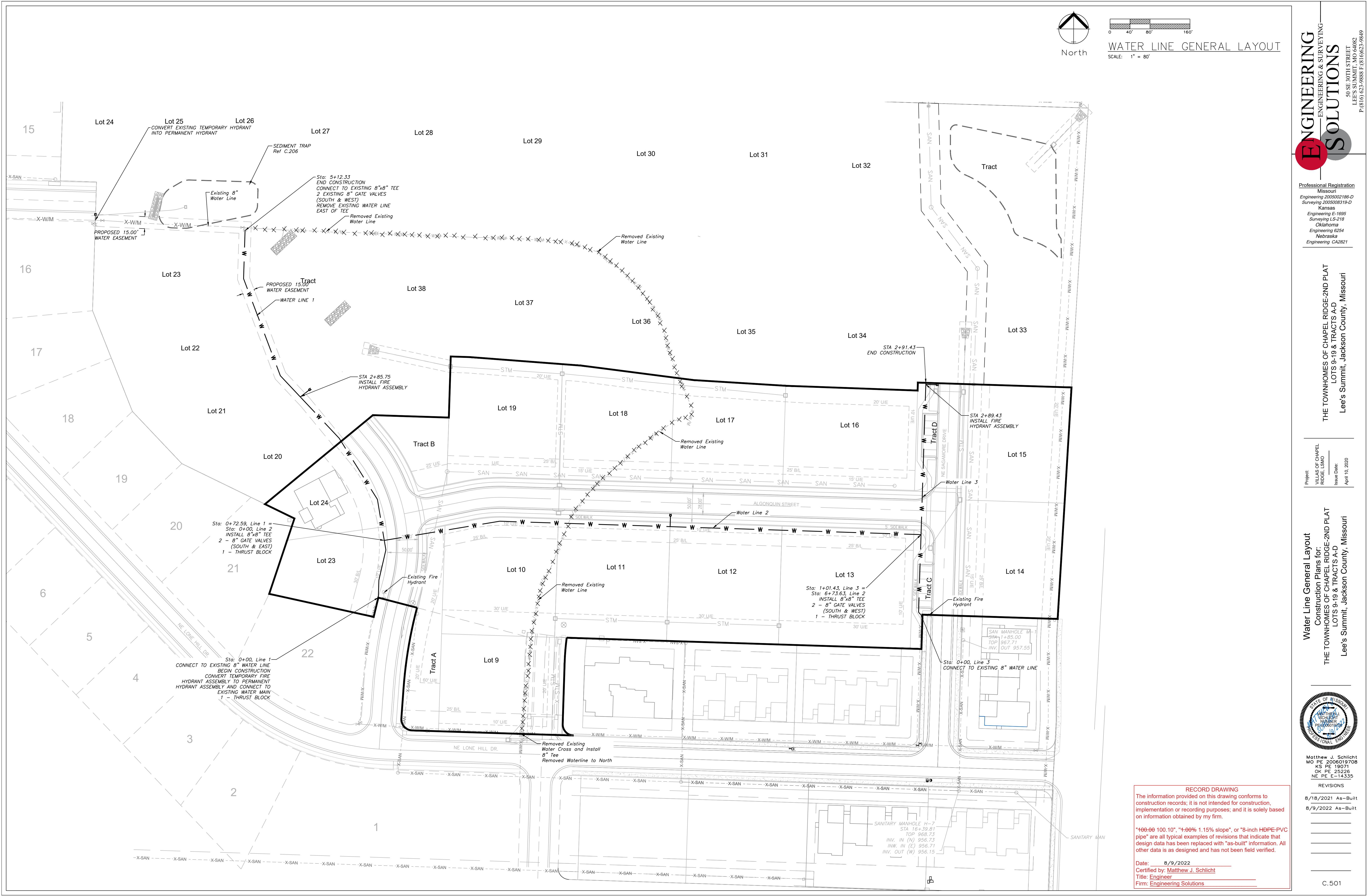
Project: VILLAS OF CHAPEL
RIDGE LS2MO
Issue Date: April 10, 2020

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



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



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

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Surveying 2005008319-D
Kansas
Engineering E-1695
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Oklahoma
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Engineering CA2821

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

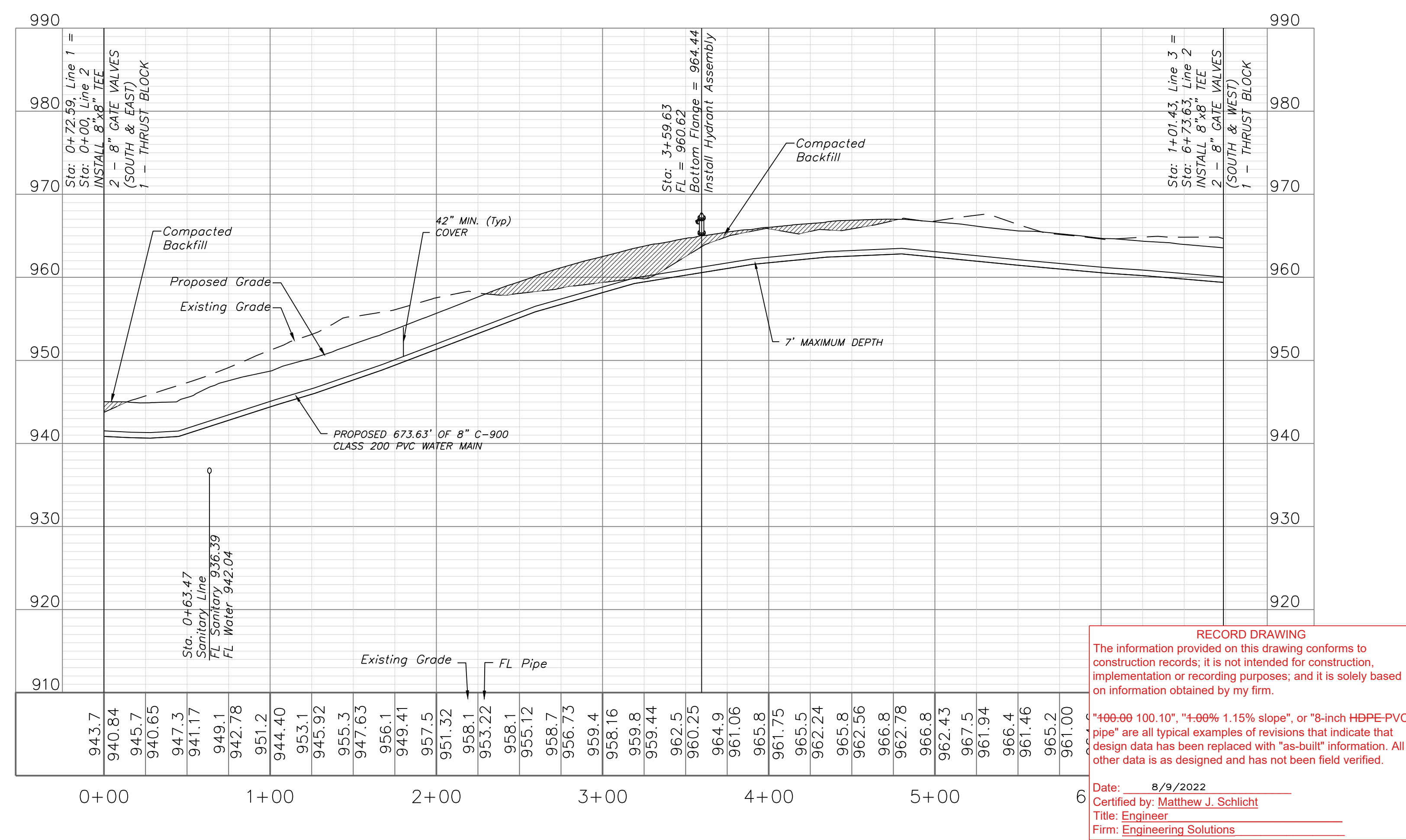
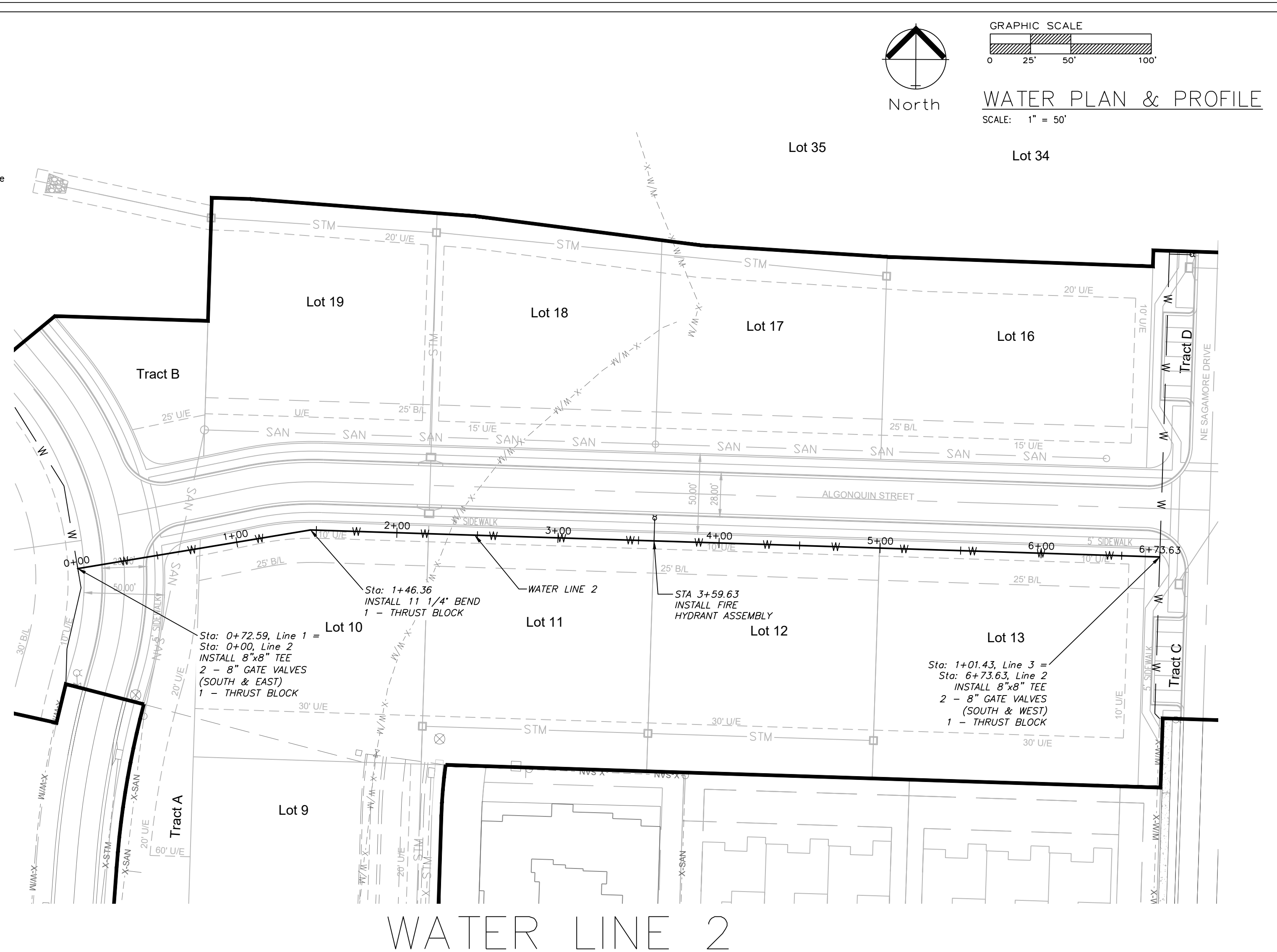
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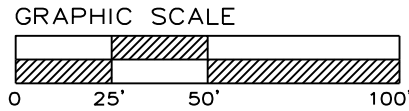
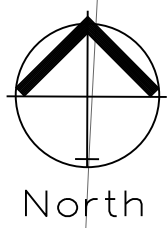
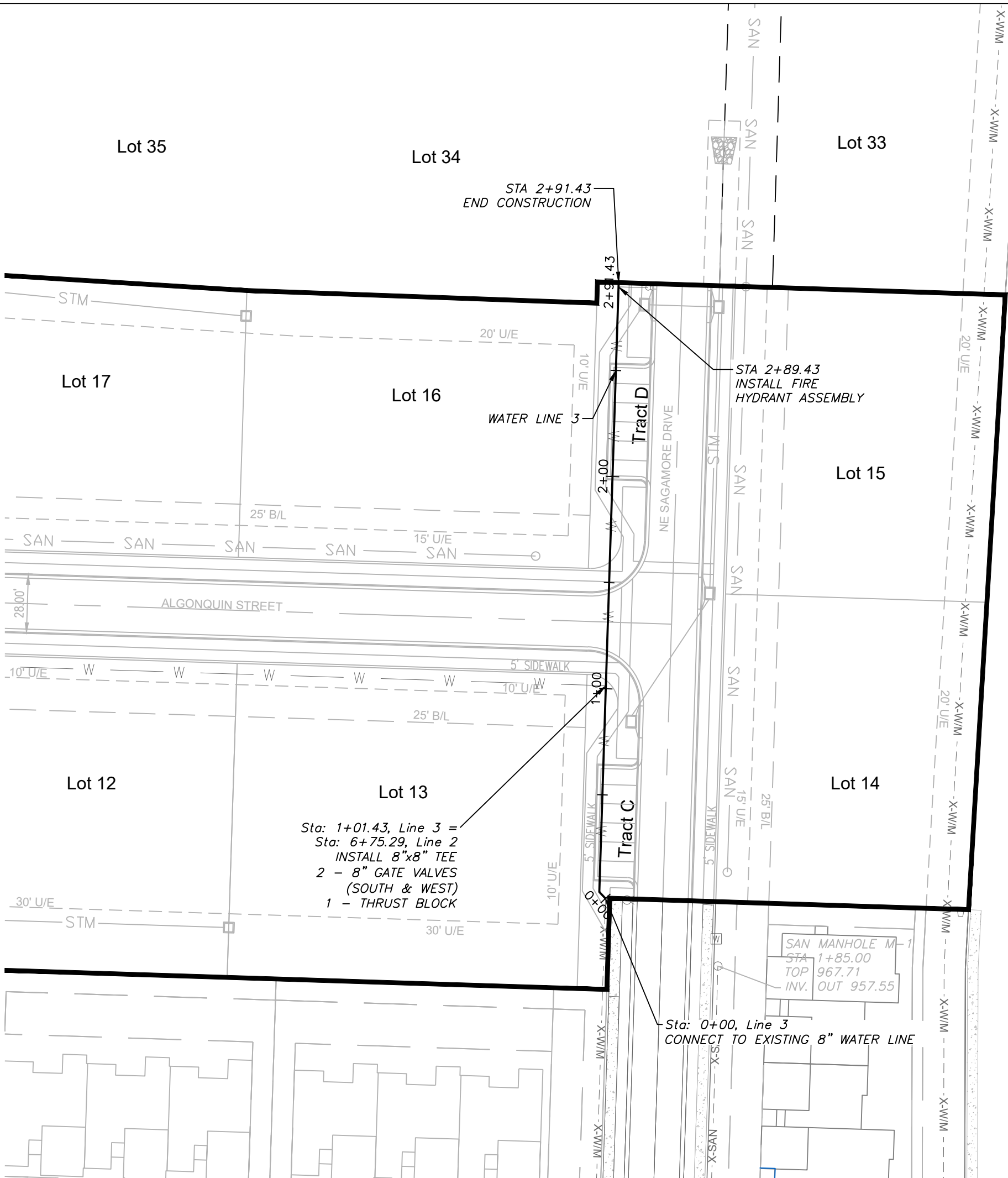
Water Line General Layout
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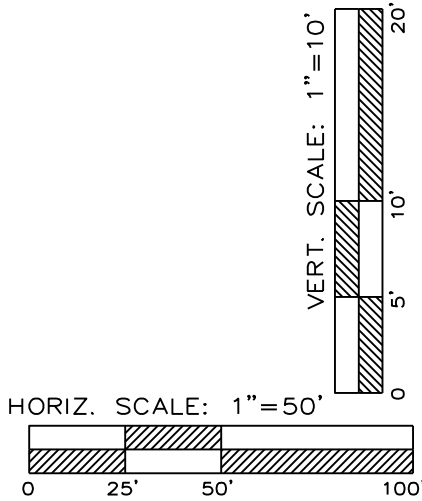
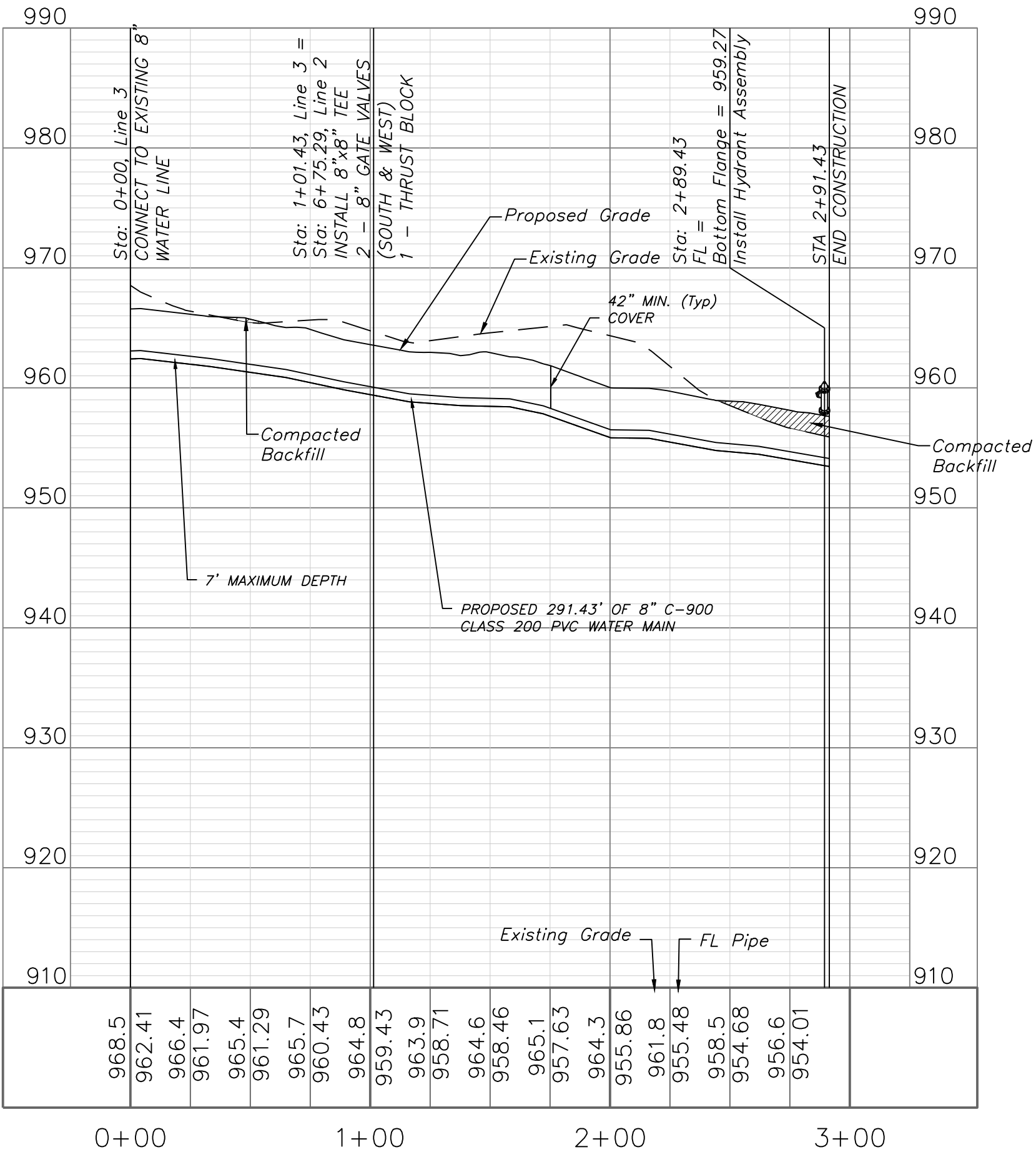
C.501





WATER PLAN & PROFILE
SCALE: 1" = 50'

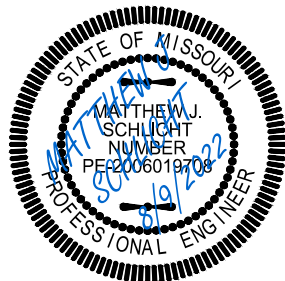
WATER LINE 3



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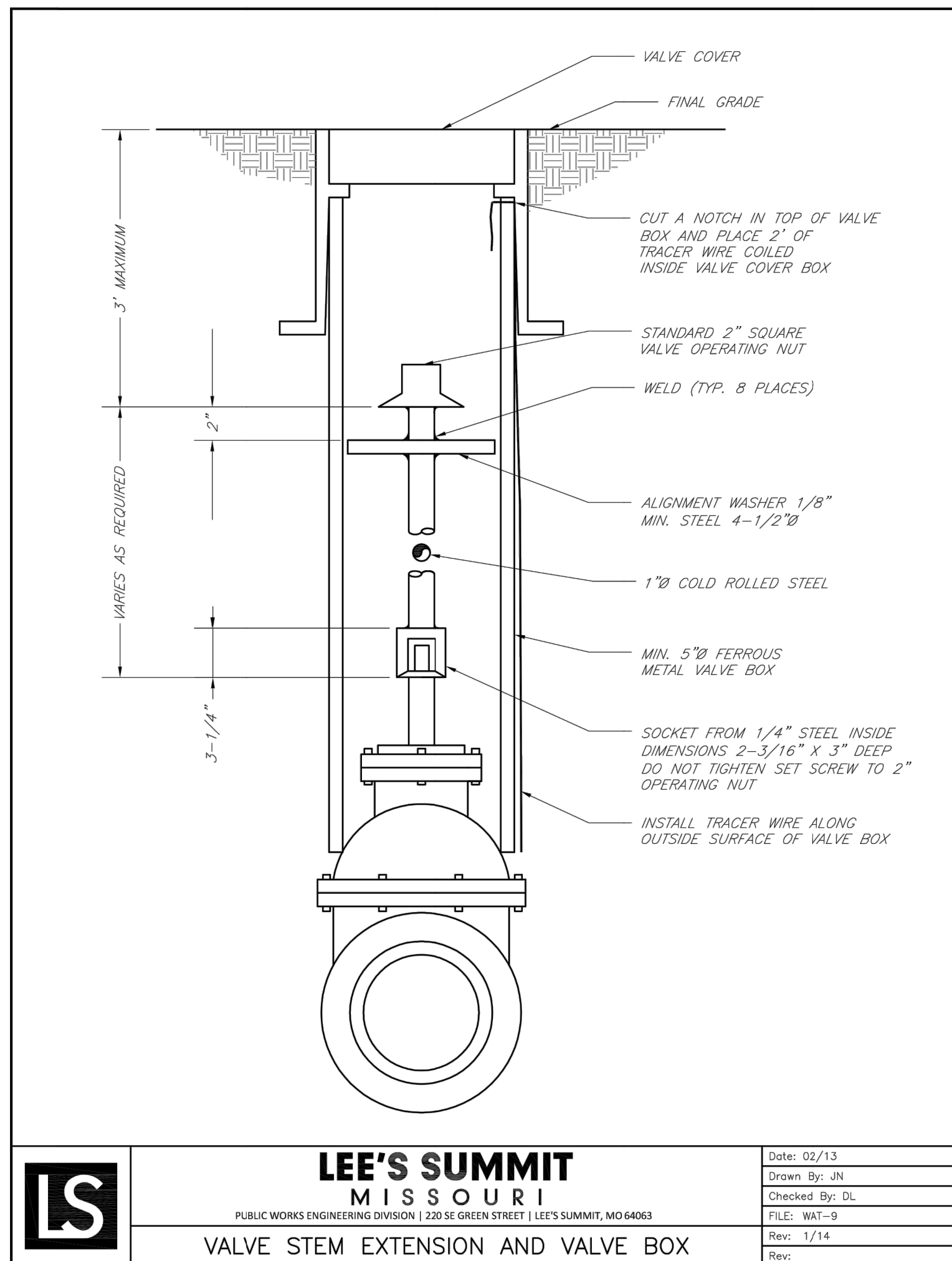
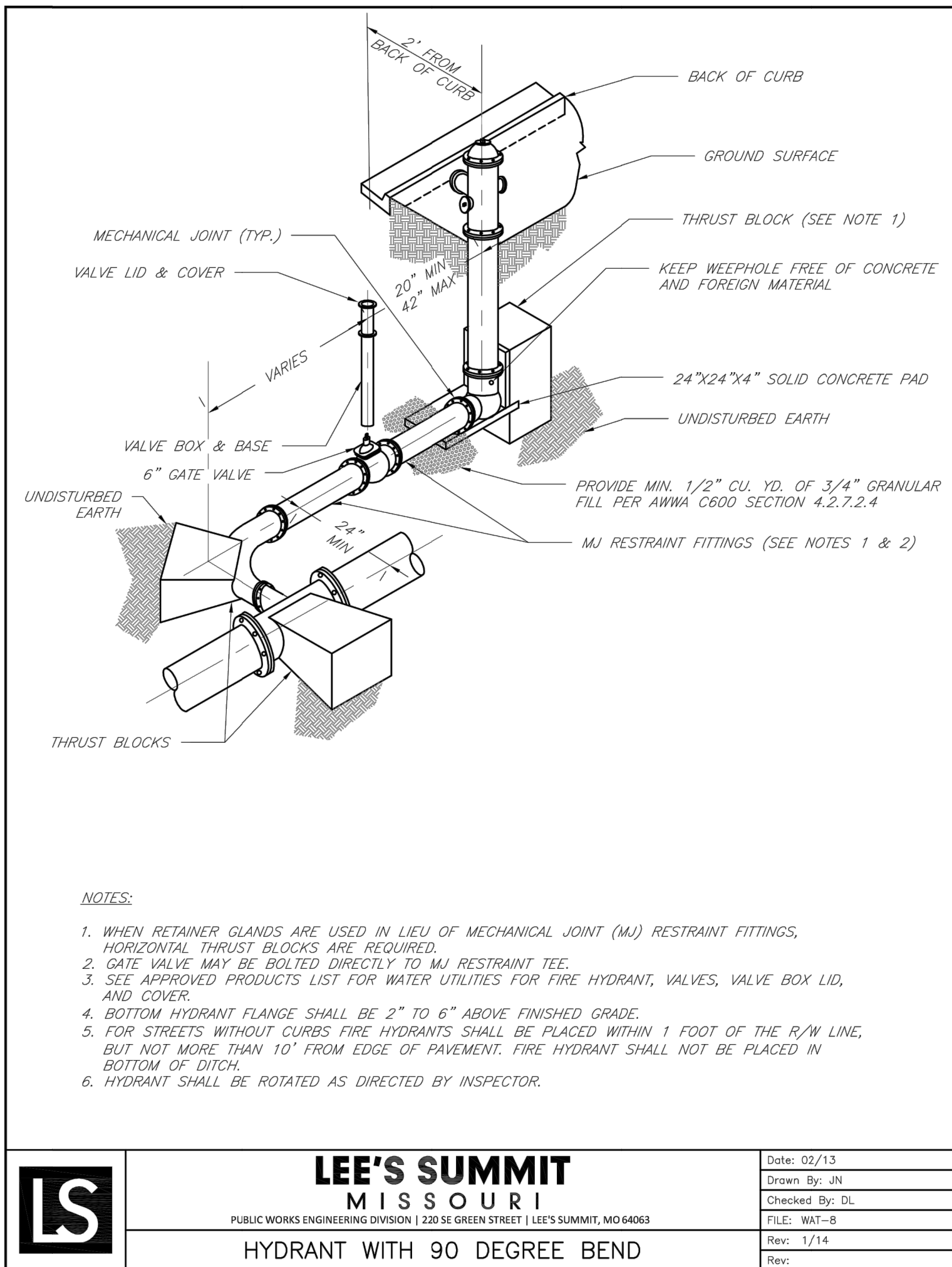
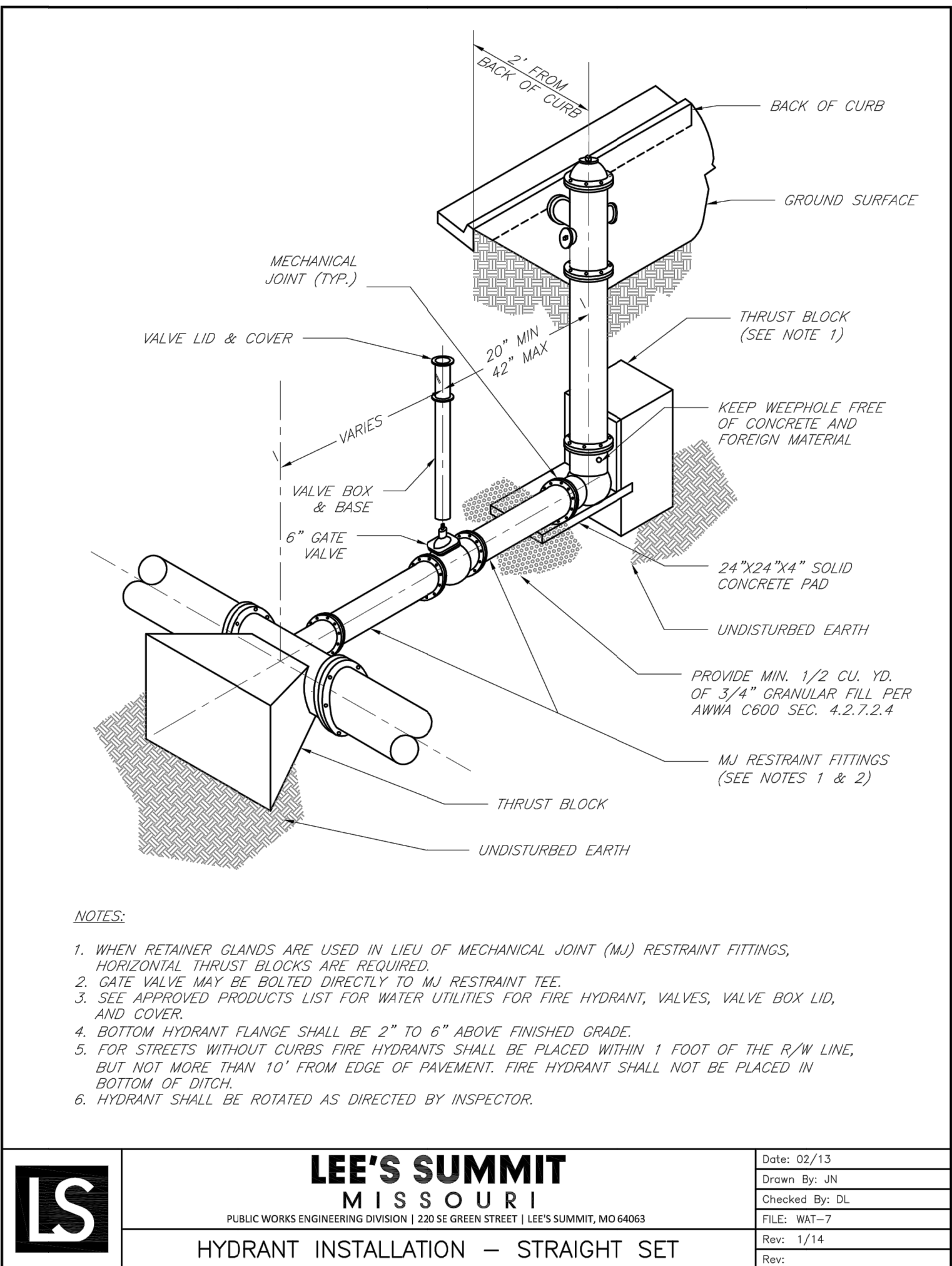
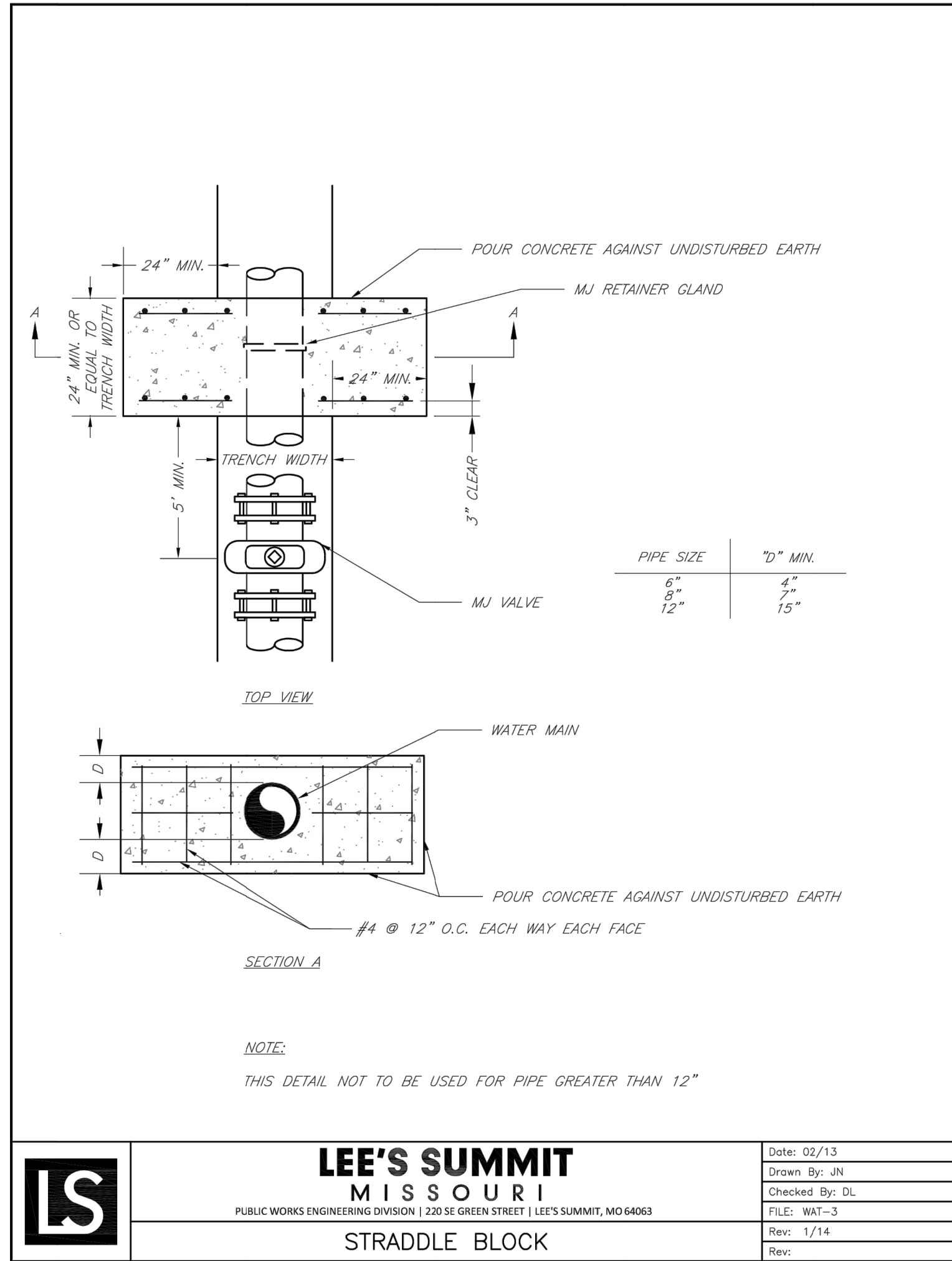
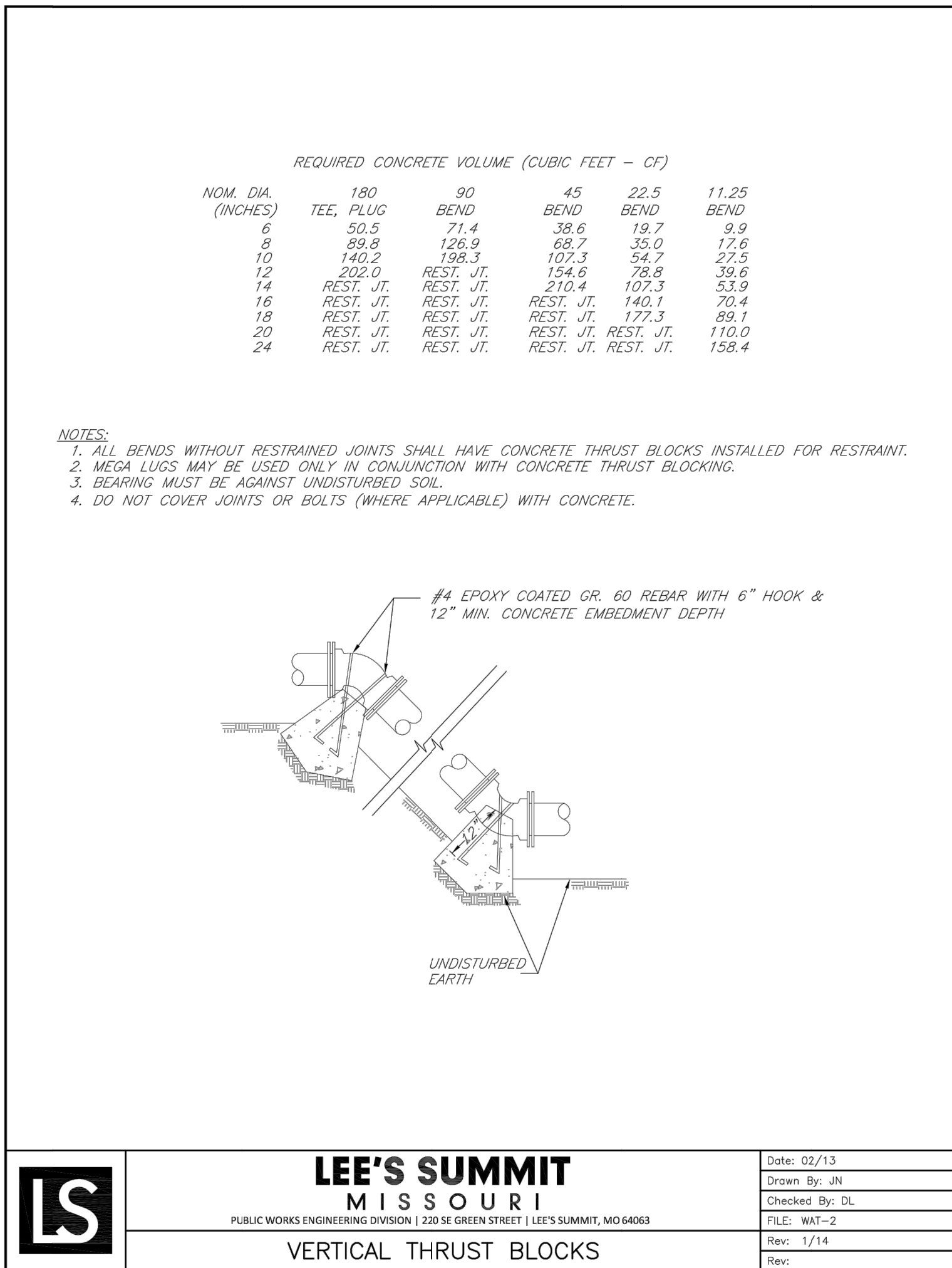
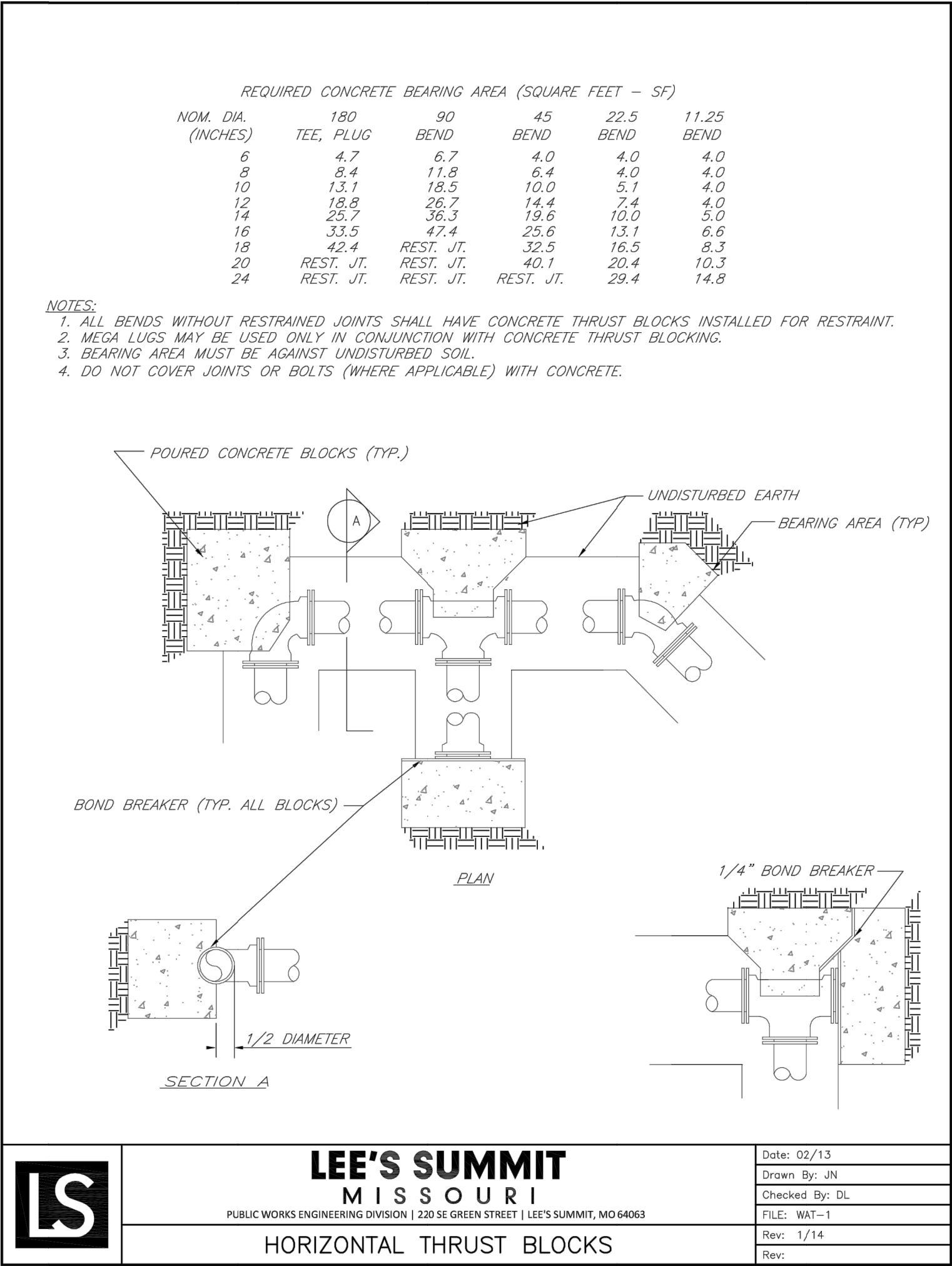
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