

NAPA VALLEY - 5th PLAT

WATER LINE CONSTRUCTION PLANS

LOTS 166-196

PART OF THE NW 1/4 SECTION 36. TOWNSHIP 47 N, RANGE 32 W
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 LEE'S 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

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

OIL - GAS WELLS

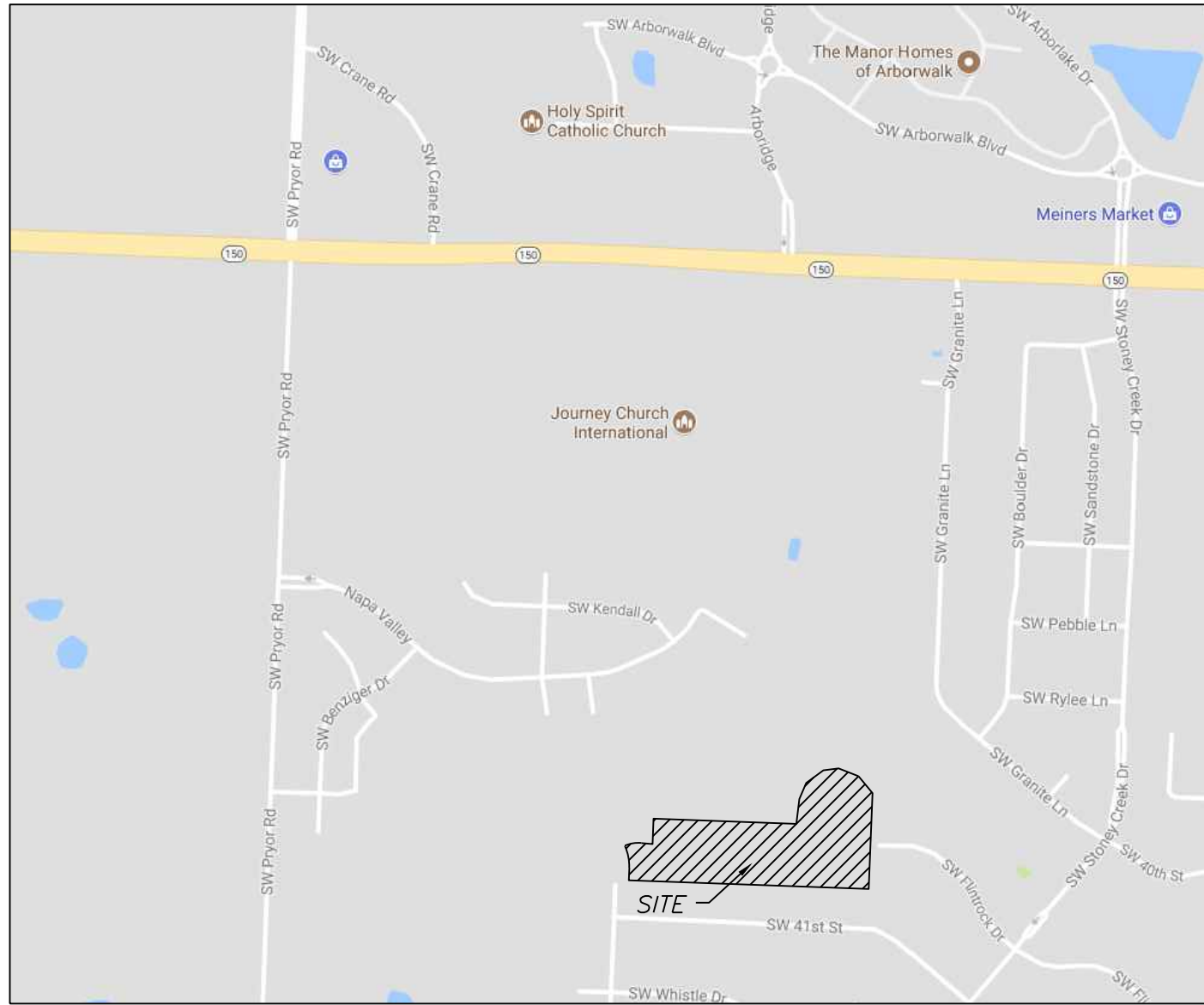
ACCORDING TO EDWARD ALTON MAY JR'S ENVIRONMENTAL IMPACT STUDY
OF ABANDONED OIL AND GAS WELLS IN LEE'S SUMMIT, MISSOURI IN 1995,
THERE ARE NOT OIL AND GAS WELLS WITHIN 185 FEET OF THE PROPERTY
AS SURVEYED HEREON.

FLOOD INFORMATION:

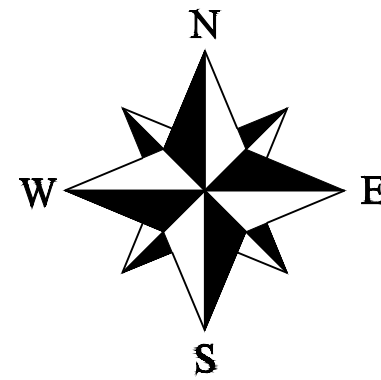
THE SUBJECT PROPERTY SURVEYED LIES WITHIN A FLOOD ZONE DESIGNATED ZONE (X), AREAS LOCATED OUTSIDE
THE 100 YEAR FLOOD PLAIN, PER F.E.M.A. MAP, COMMUNITY PANEL NO. 29095C0531G EFFECTIVE DATE: JANUARY 20,
2017.

NOTE :

ALL CONSTRUCTION SHALL FOLLOW THE CITY OF LEE'S SUMMIT DESIGN AND
CONSTRUCTION MANUAL AS ADOPTED BY ORDINANCE 5813. WHERE DISCREPANCIES
EXIST BETWEEN THESE PLANS AND THE DESIGN AND CONSTRUCTION MANUAL, THE
DESIGN AND CONSTRUCTION MANUAL SHALL PREVAIL.



SITE LOCATION MAP
NOT TO SCALE



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

Summary of Quantities:

ITEM AND DESCRIPTION	UNIT	ESTIMATED QUANTITY
WATER		
FIRE HYDRANT ASSEMBLY	UNIT	3.00
CONNECT TO EXISTING	UNIT	2.00
8" WATER LINE	LF	1,578.98
8" GATE VALVE/ VALVE BOX & COVER	UNIT	2.00
TEES AND BENDS	UNIT	12.00
THRUST BLOCK	UNIT	12.00

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.

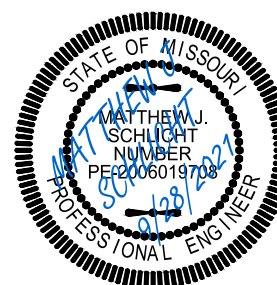


Professional Registration
Missouri
Engineering 2005002186-D
Surveying 2005008319-D
Kansas
Engineering E-1685
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

Napa Valley 5th Plat
Lee's Summit, Jackson County, Missouri

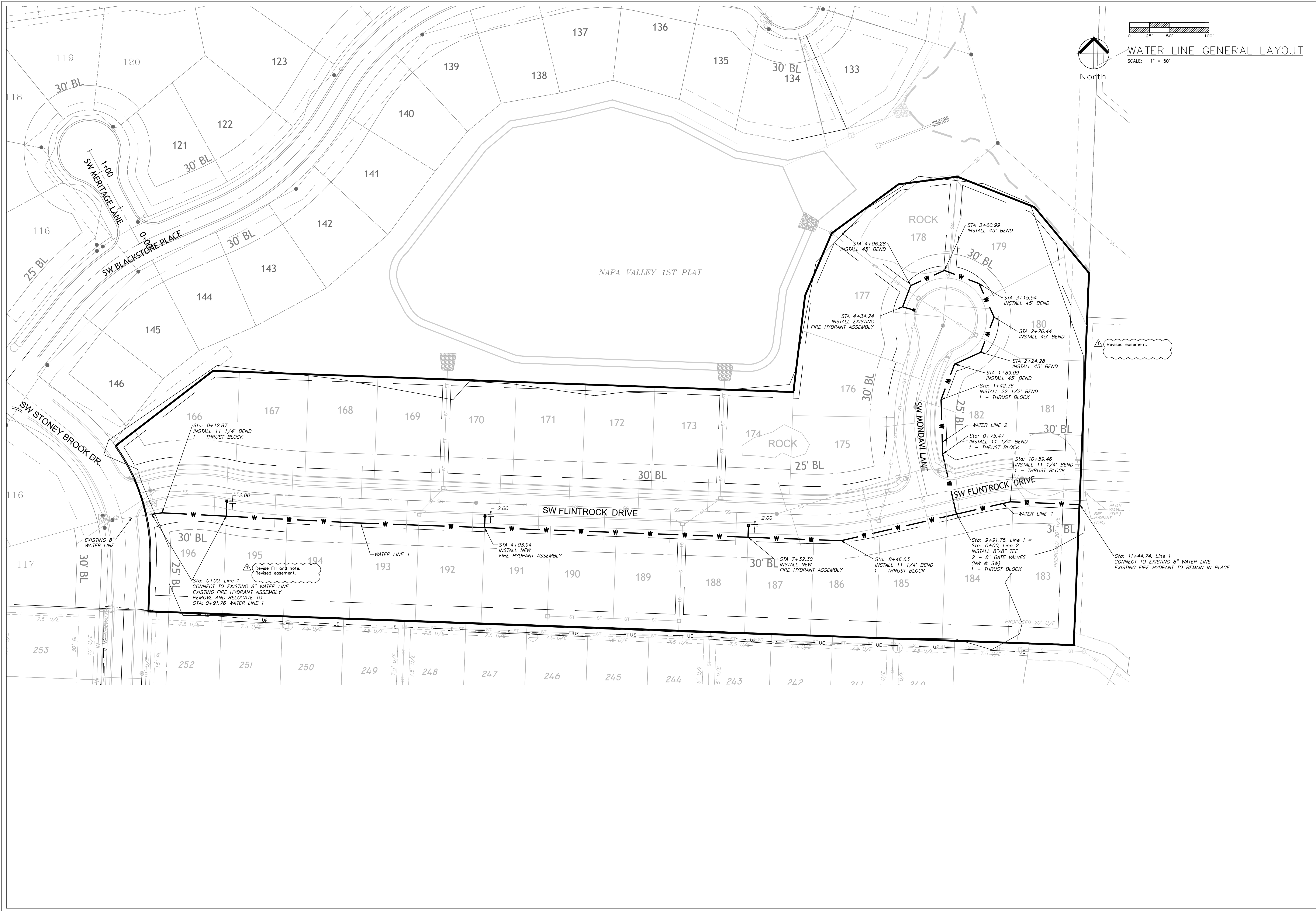
Project:
NAPA VALLEY LSMO
Issue Date:
August 2, 2021

COVER SHEET
Water Line Construction Plans for:
Napa Valley 5th Plat
Lee's Summit, Jackson County, Missouri



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

REVISIONS
REV. 9/28/2021



ENGINEERING

ENGINEERING & SURVEYING

SOLUTIONS

Professional Registration

Missouri
Engineering 2005002186-D
Surveying 2005008319-D
Kansas
Engineering E-1695
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

WATER LINE GENERAL LAYOUT

Water Line Construction Plans for:

Napa Valley 5th Plat

Lee's Summit, Jackson County, Missouri

Project:

NAPA VALLEY LS MO

Issue Date:

August 2, 2021

STATE OF MISSOURI

MATTHEW J. SCHLICHT

PROFESSIONAL ENGINEER

Matthew J. Schlicht

MO PE 2006019708

KS PE 19071

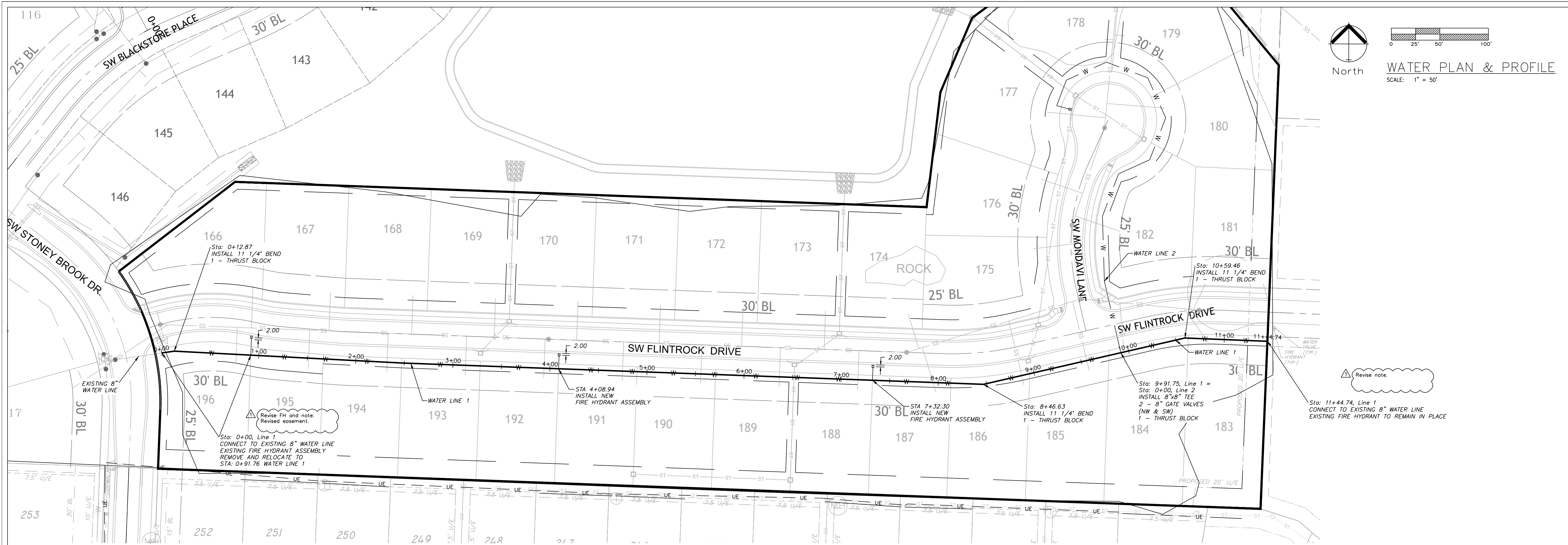
OK PE 25226

NE PE E-14335

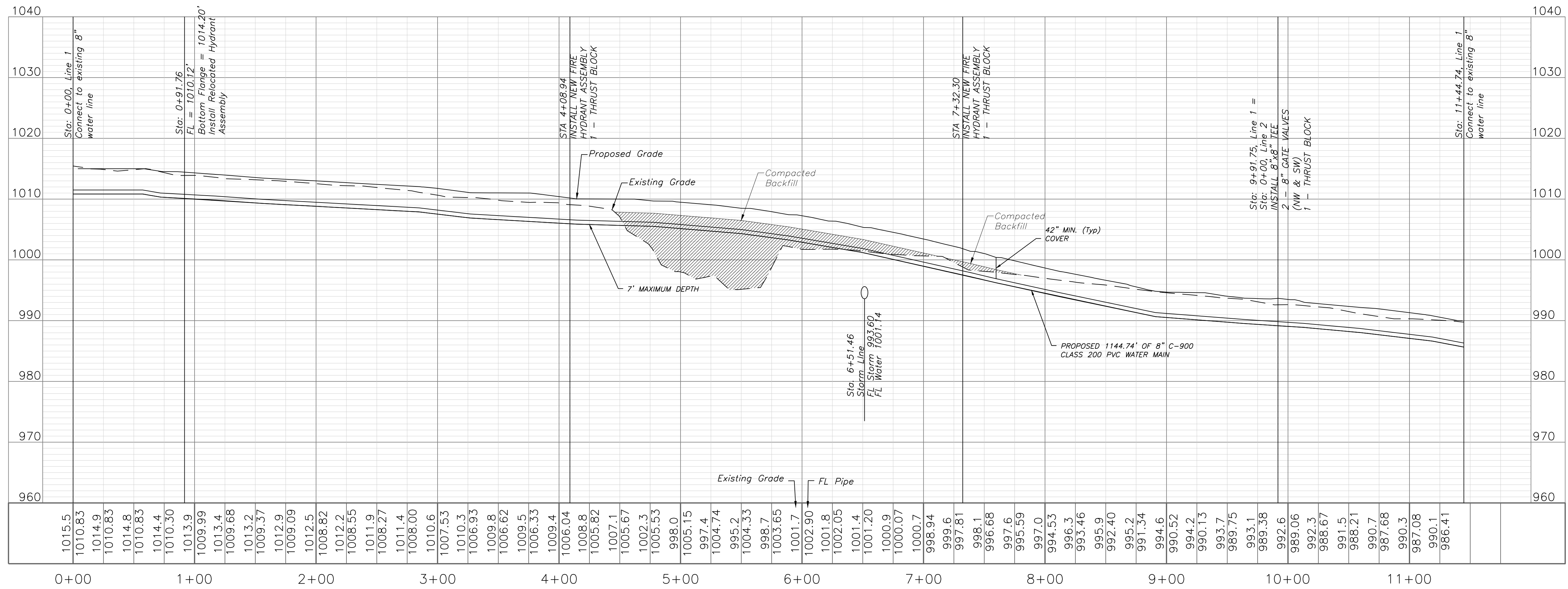
REVISIONS

REV. 9/28/2021

C.501



WATER LINE 1



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:

NAPA VALLEY LSMO

Issue Date:

August 2, 2021

WATER LINE PLAN & PROFILE

Water Line Construction Plans for:

Napa Valley 5th Plat

Lee's Summit, Jackson County, Missouri

STATE OF MISSOURI

MATTHEW J. SCHLICHT

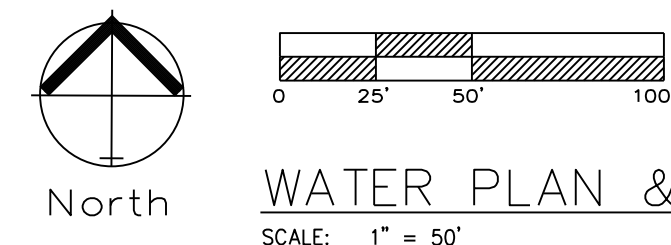
REGISTERED PROFESSIONAL ENGINEER

MO PE 2006019708
KS PE 19071
OK PE 25226
NE PE E-14335

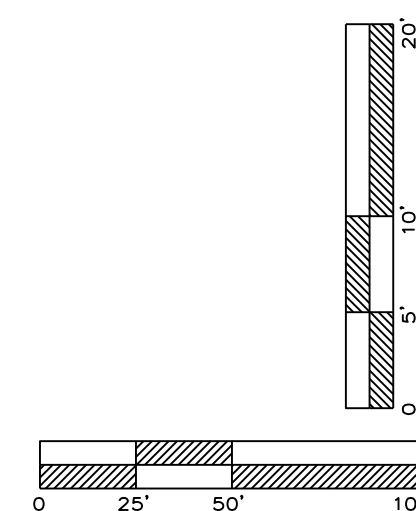
REVISIONS

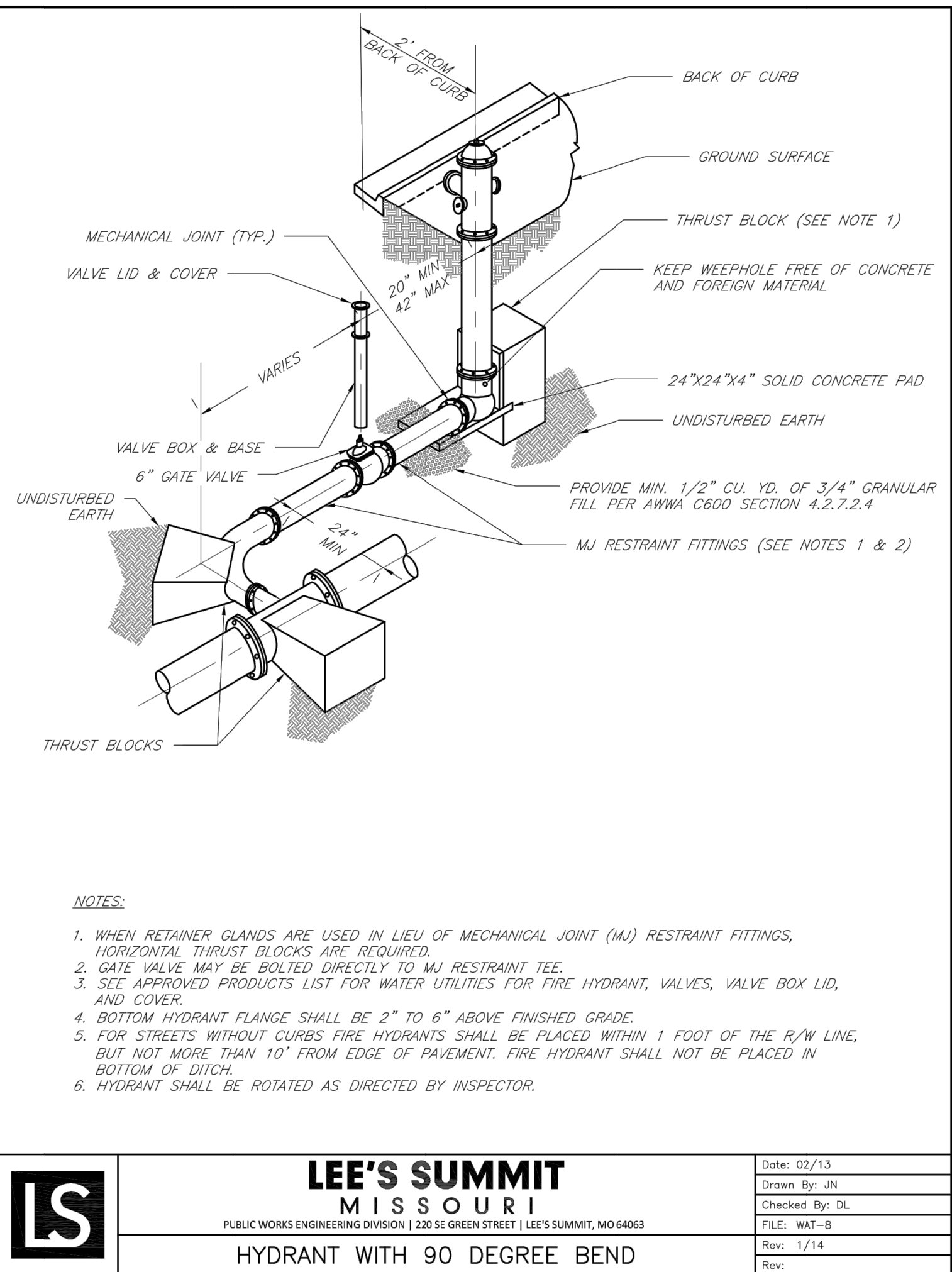
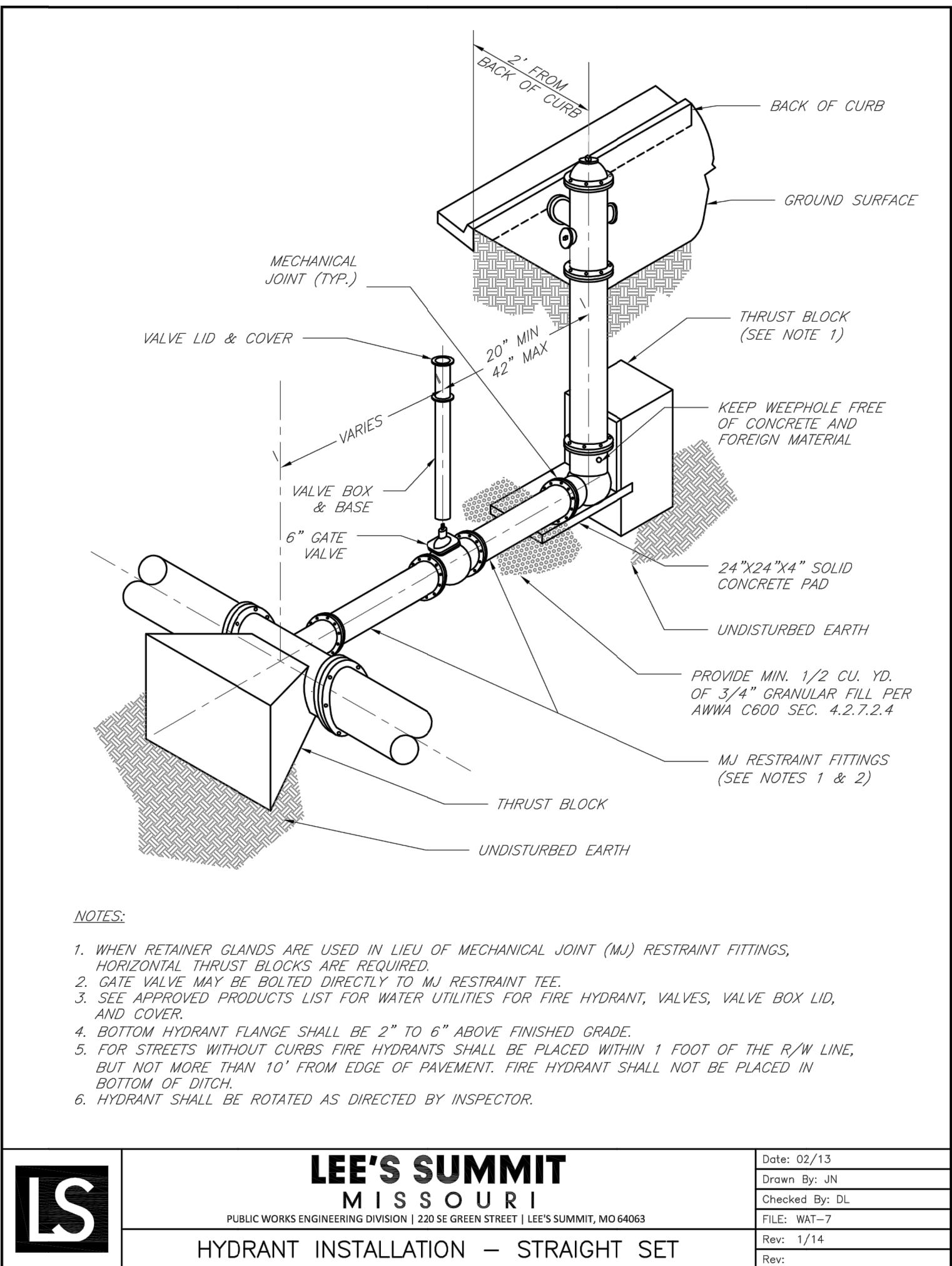
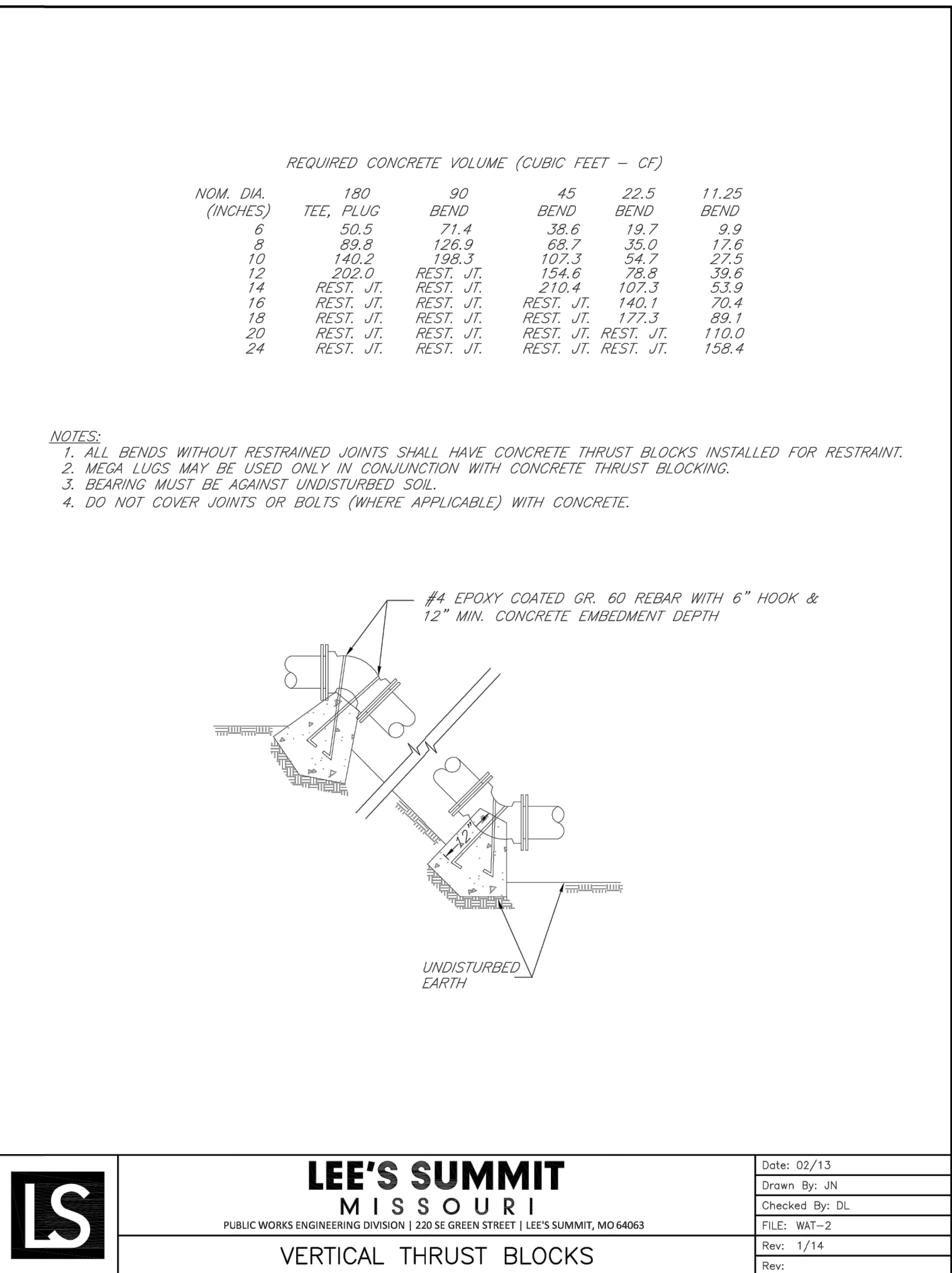
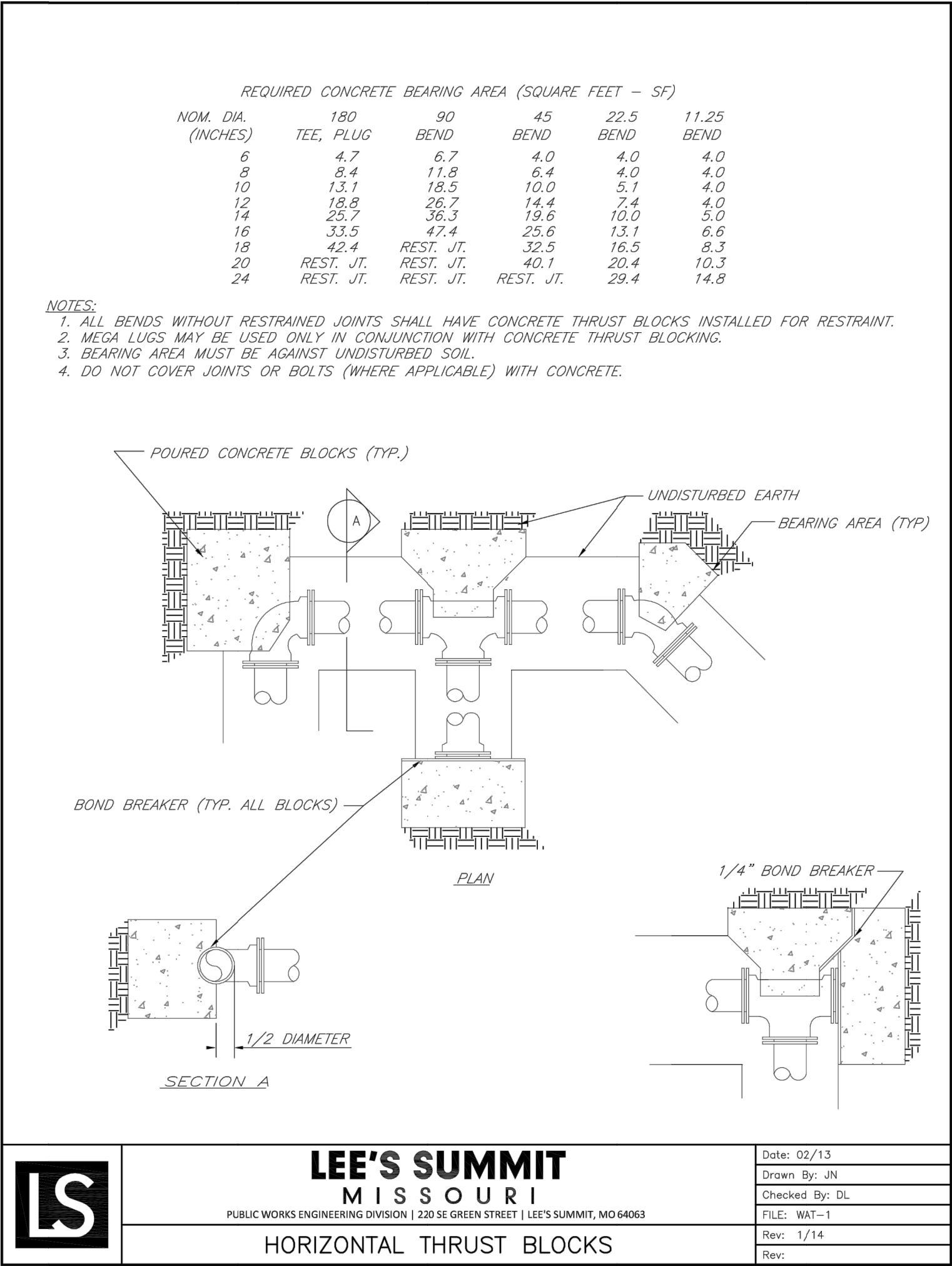
REV. 9/28/2021

C.502



1 Added compacted backfill.





GENERAL NOTE:
1 - ALL CONSTRUCTION SHALL CONFORM TO THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL AS ADOPTED BY ORDINANCE 5813.