



KEY MAP

MATCH LINE
SEE SHEET C304
MATCH LINE
SEE SHEET C303

WATER MAINS

FIRE HYDRANTS ASSEMBLY

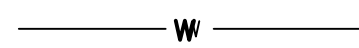
STRAIGHT SET HYDRANT ASSEMBLY

STRADDLE BLOCK

VALVES

LEGEND

NEW



OTHERS



PROPERTY LINE

STOP SIGN

END OF ROAD TREATMENT



EXISTING



TRACT G
DETENTION

TRACT I
DETENTION

NEW 8" WATER
MAIN (LINE 4)
SEE SHEET C309

EXISTING 8" WATER MAIN
(CONTRACTOR TO VERIFY
EXISTING PIPE MATERIAL.)

RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
02/22/2021

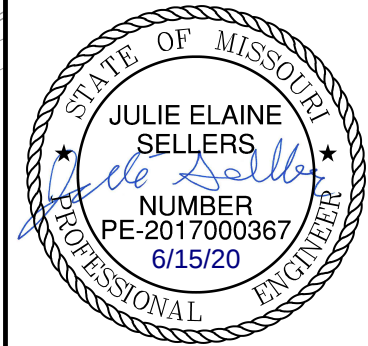
GENERAL LAYOUT
WATER MAIN EXTENSION
WOODSIDE RIDGE
SECOND PLAT

LEE'S SUMMIT, MO 2020

NO.
REV.

REVISIONS DESCRIPTION

BY



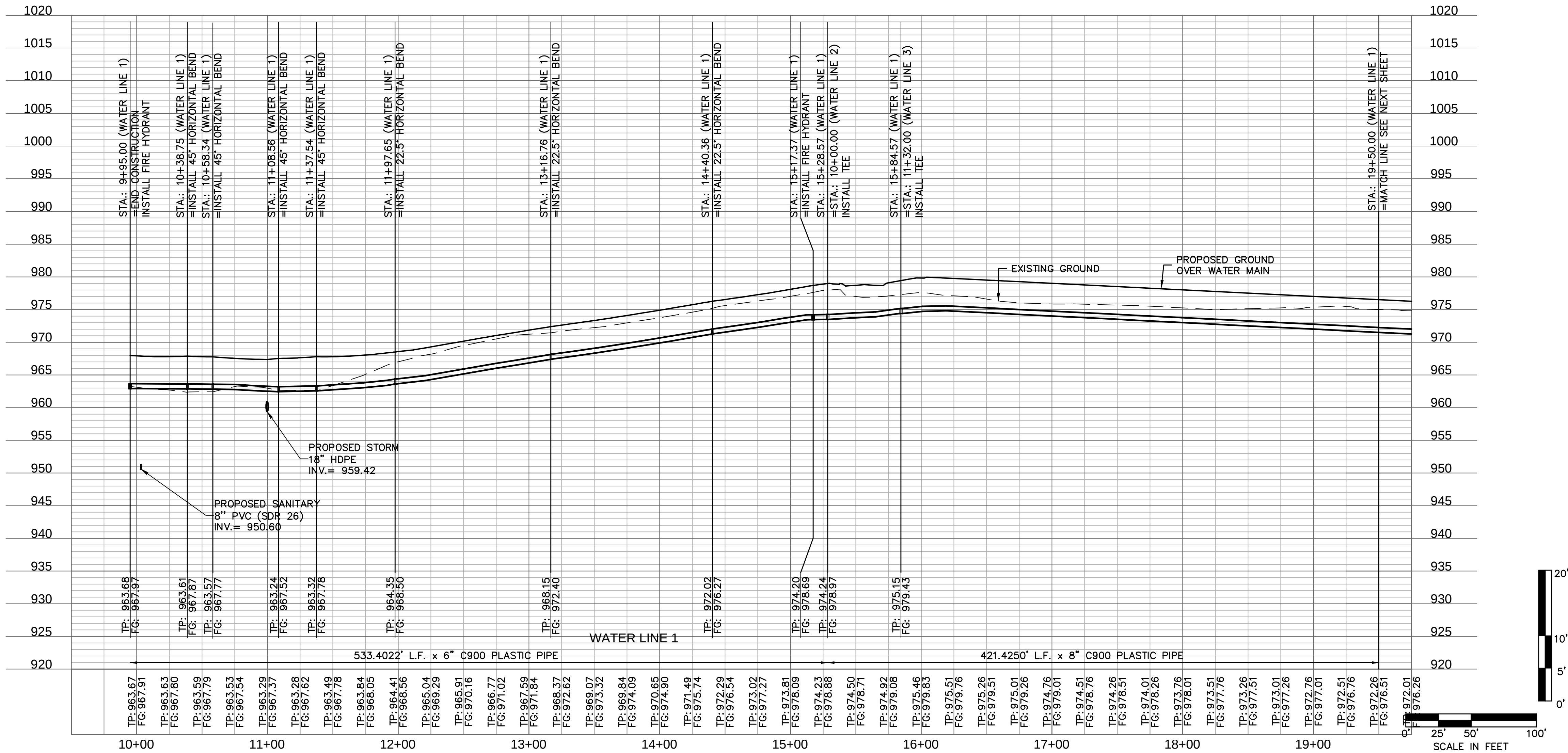
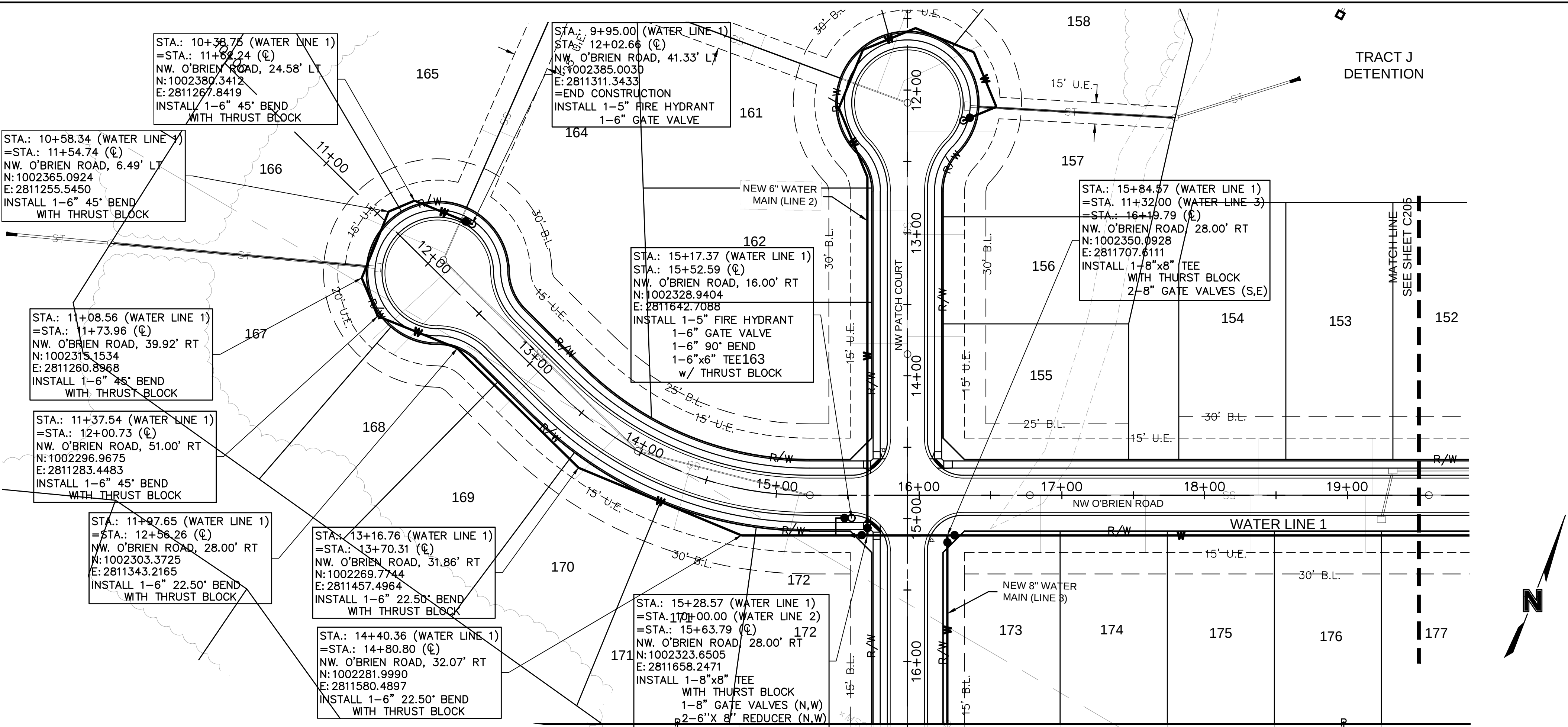
olsson

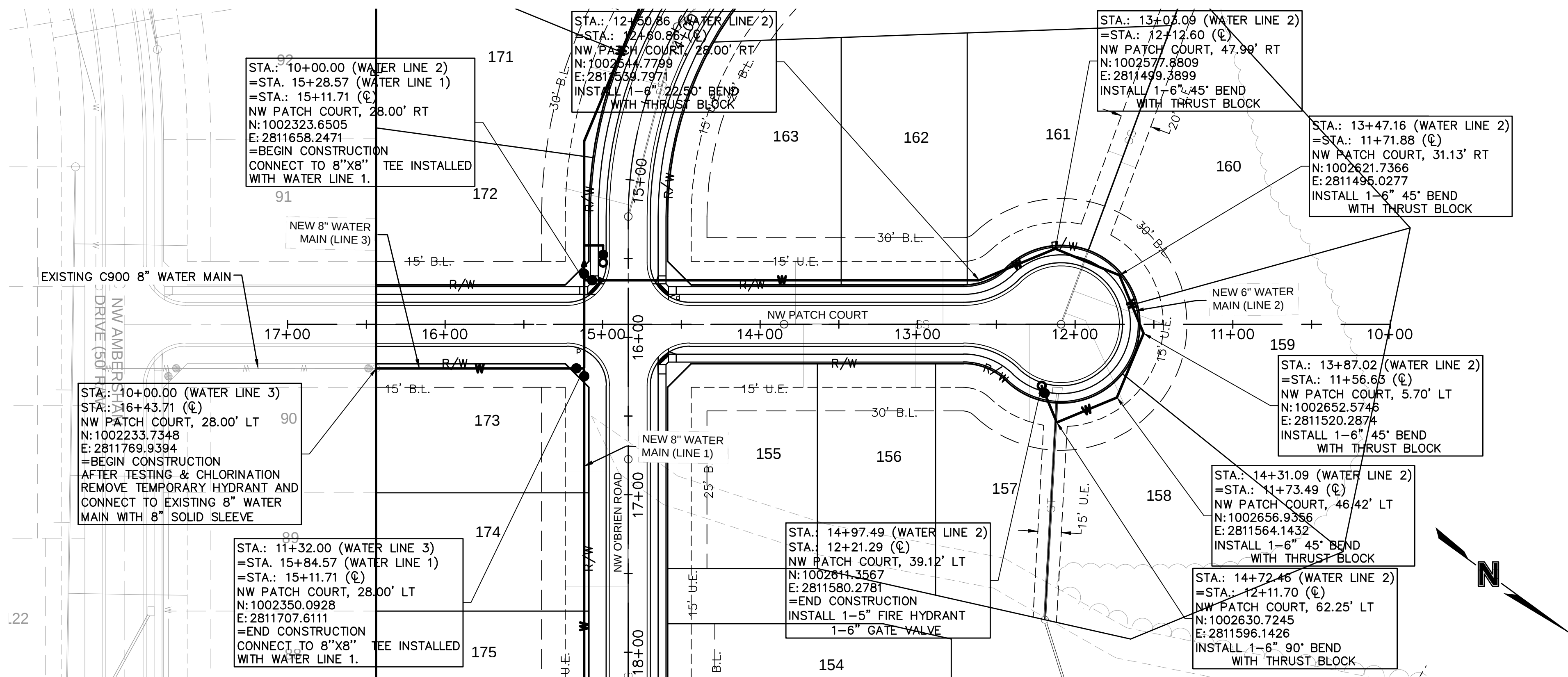
NO. 0018-1140-001
300 E. BIRCH STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
TEL. 816.861.1177
WWW.OLSSON.COM

SHEET
C303

drawn by: C.S.M.
checked by: S.M.S.
designed by: C.S.M.
QA/QC by: J.E.S.
project no.: C18-1140
date: 2020.06.15

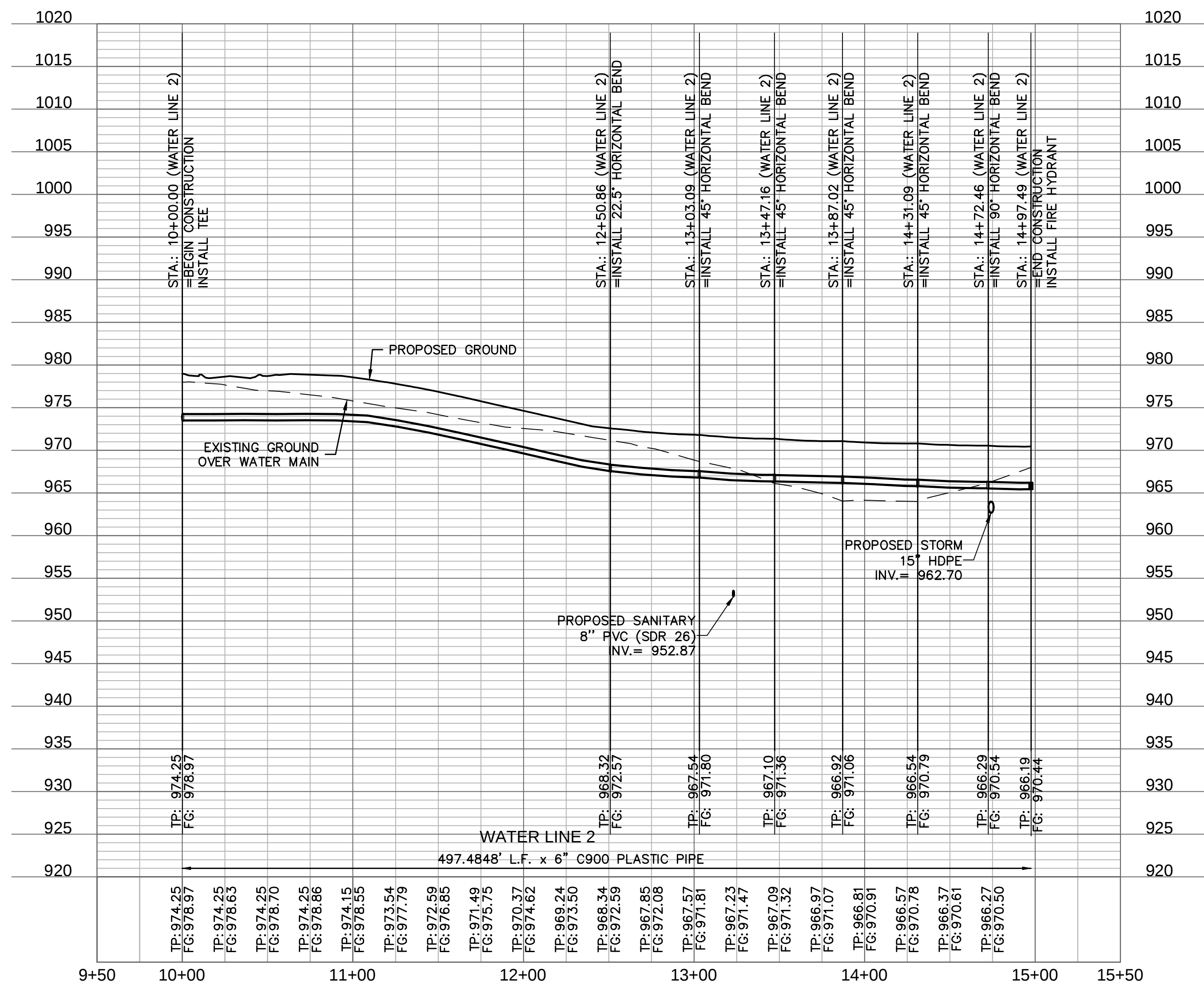
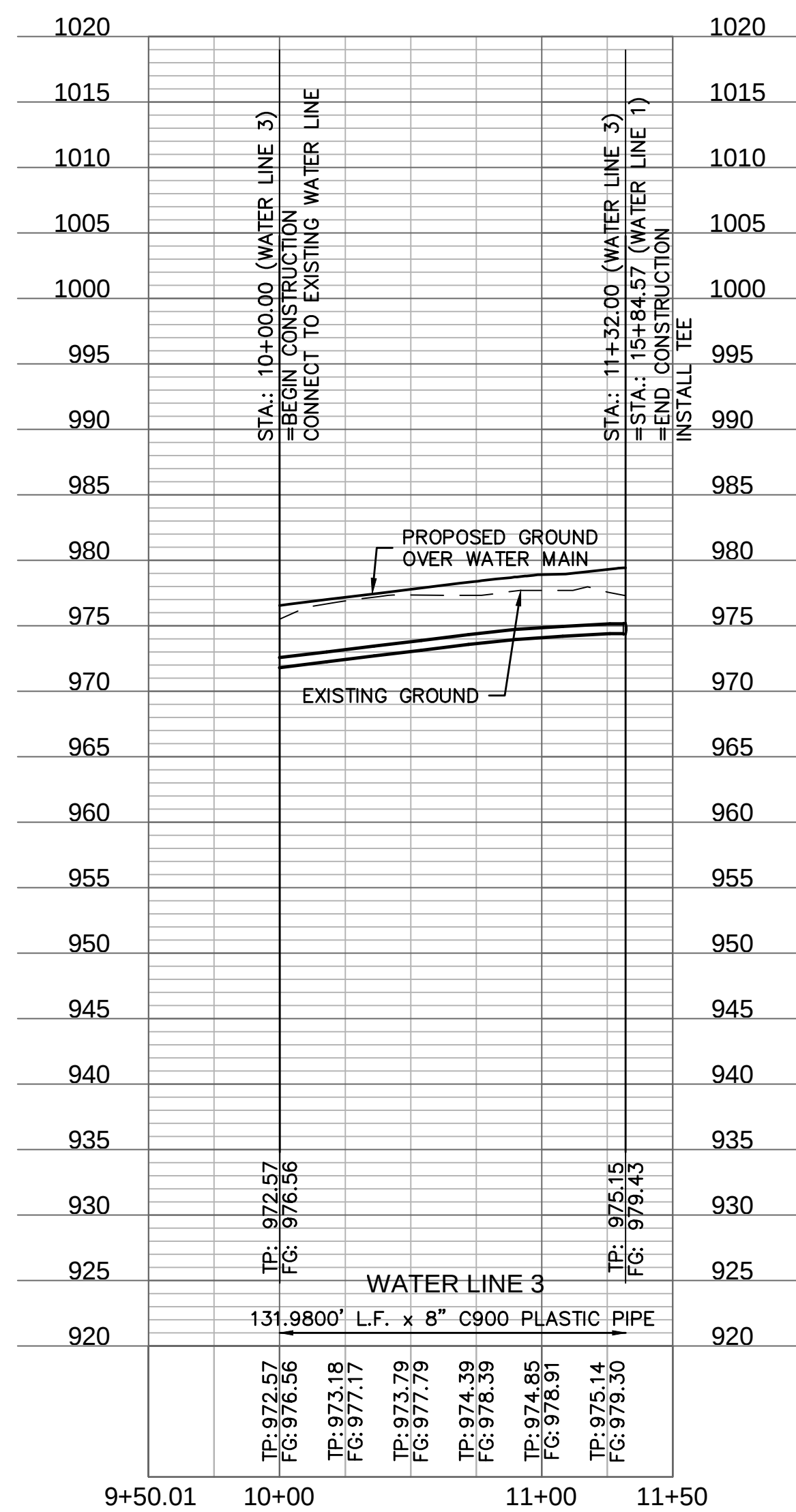
- NOTES:
1. CONTRACTOR TO VERIFY EXISTING CONDITIONS AND COMMUNICATE WITH ENGINEER IF DIFFERENT THAN PLANS.
 2. CONTRACTOR SHALL FILL AND COMPACT TO 95% STANDARD DENSITY TO A POINT 4' MINIMUM ABOVE THE TOP OF PIPE PRIOR TO EXCAVATION FOR THE PIPE.
 3. CONTRACTOR SHALL NOT INSTALL GATE VALVES WITHIN ADA RAMP.
 4. MAXIMUM DEPTH OF THE WATER MAIN SHALL NOT EXCEED 7' FROM FINISH GRADE.



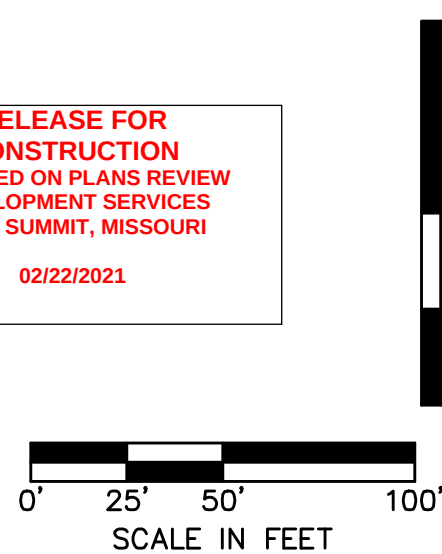


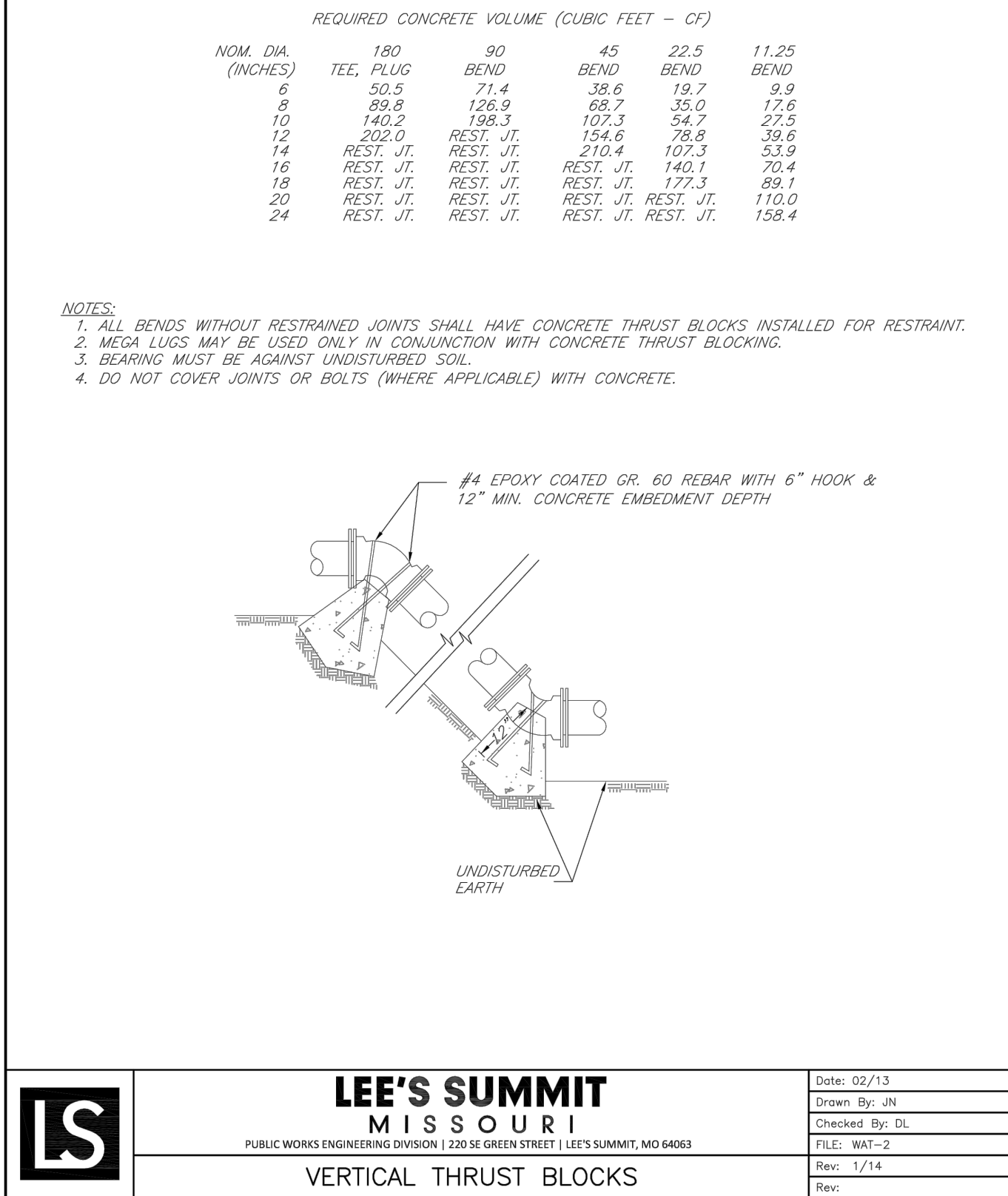
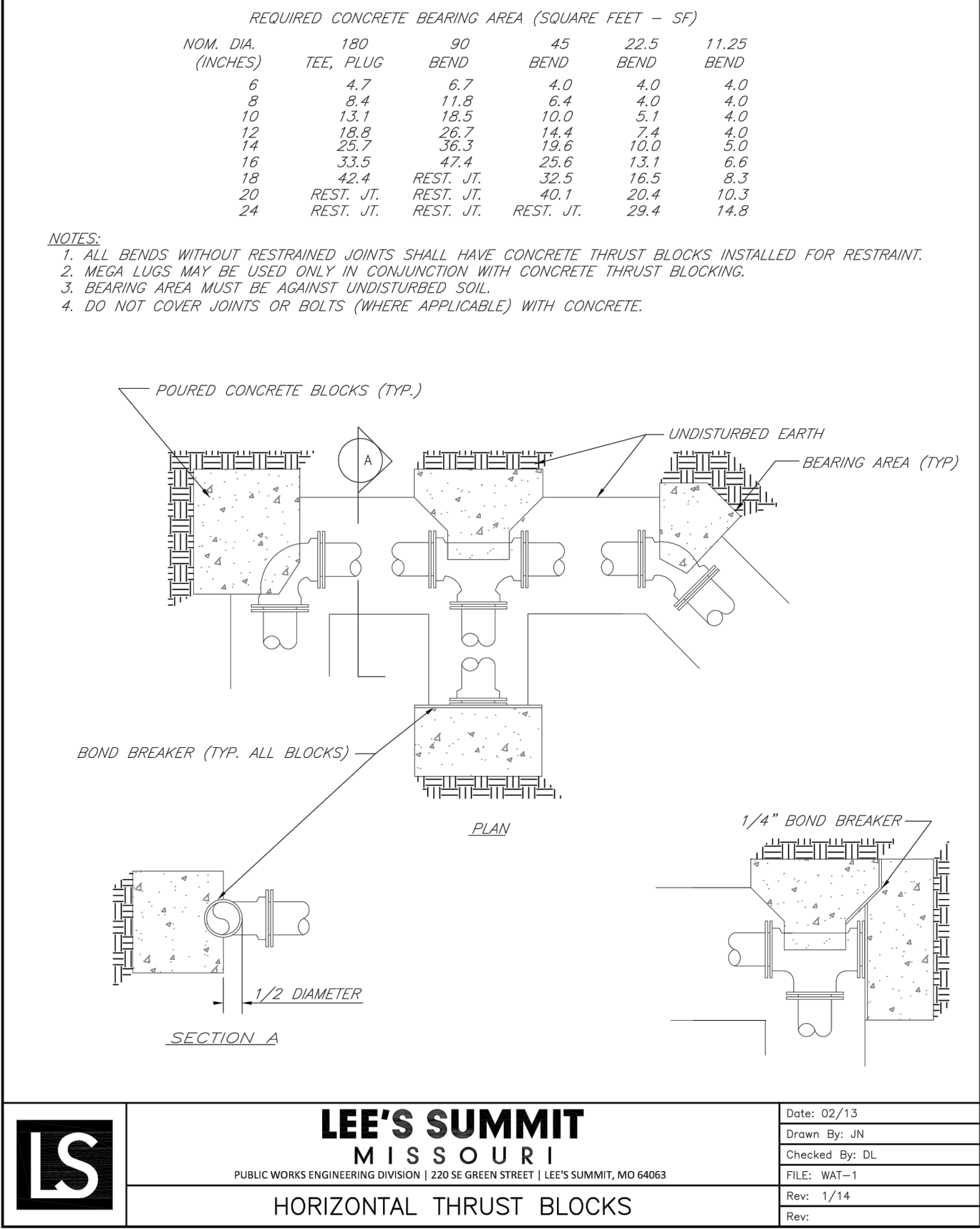
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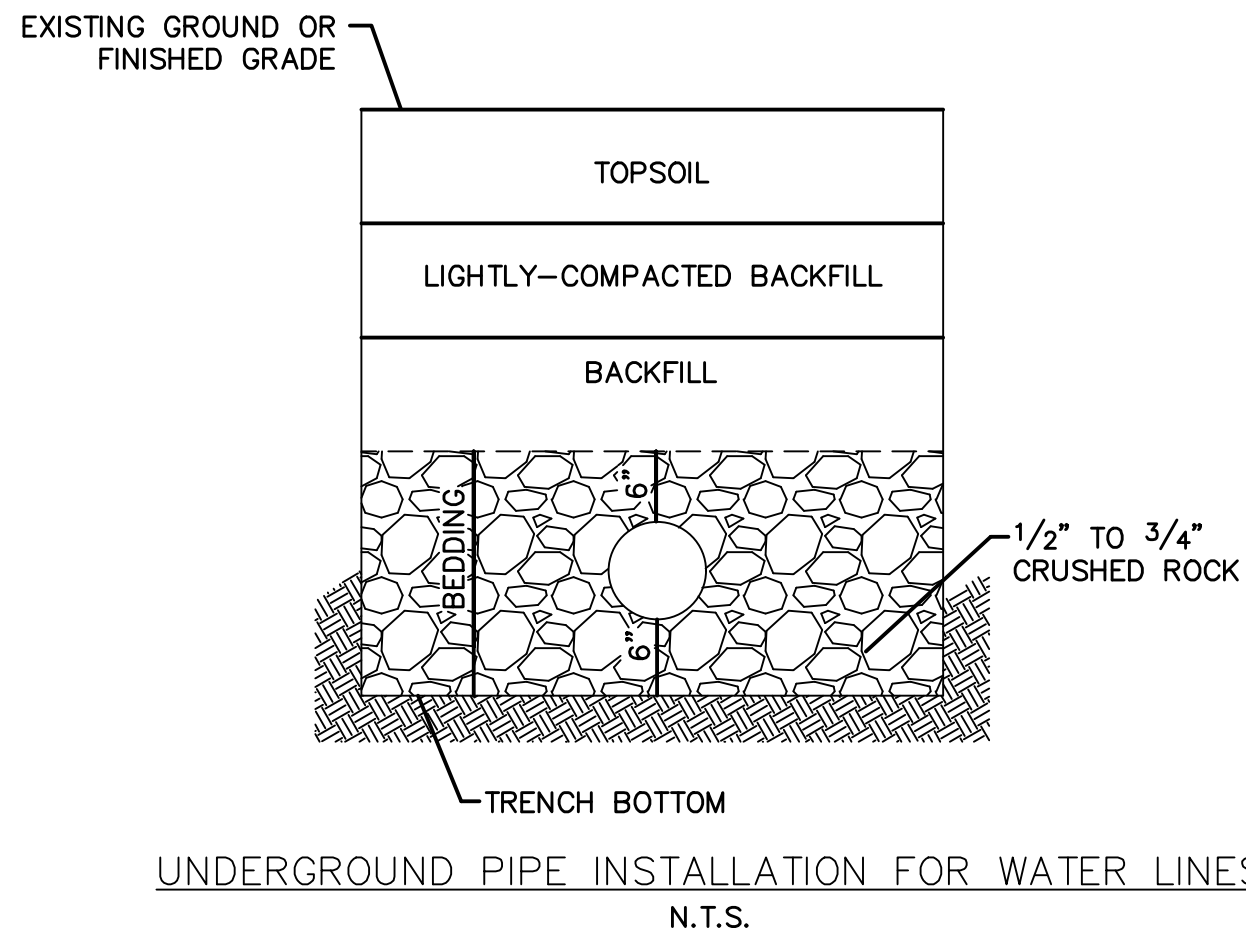
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DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
02/22/2021**



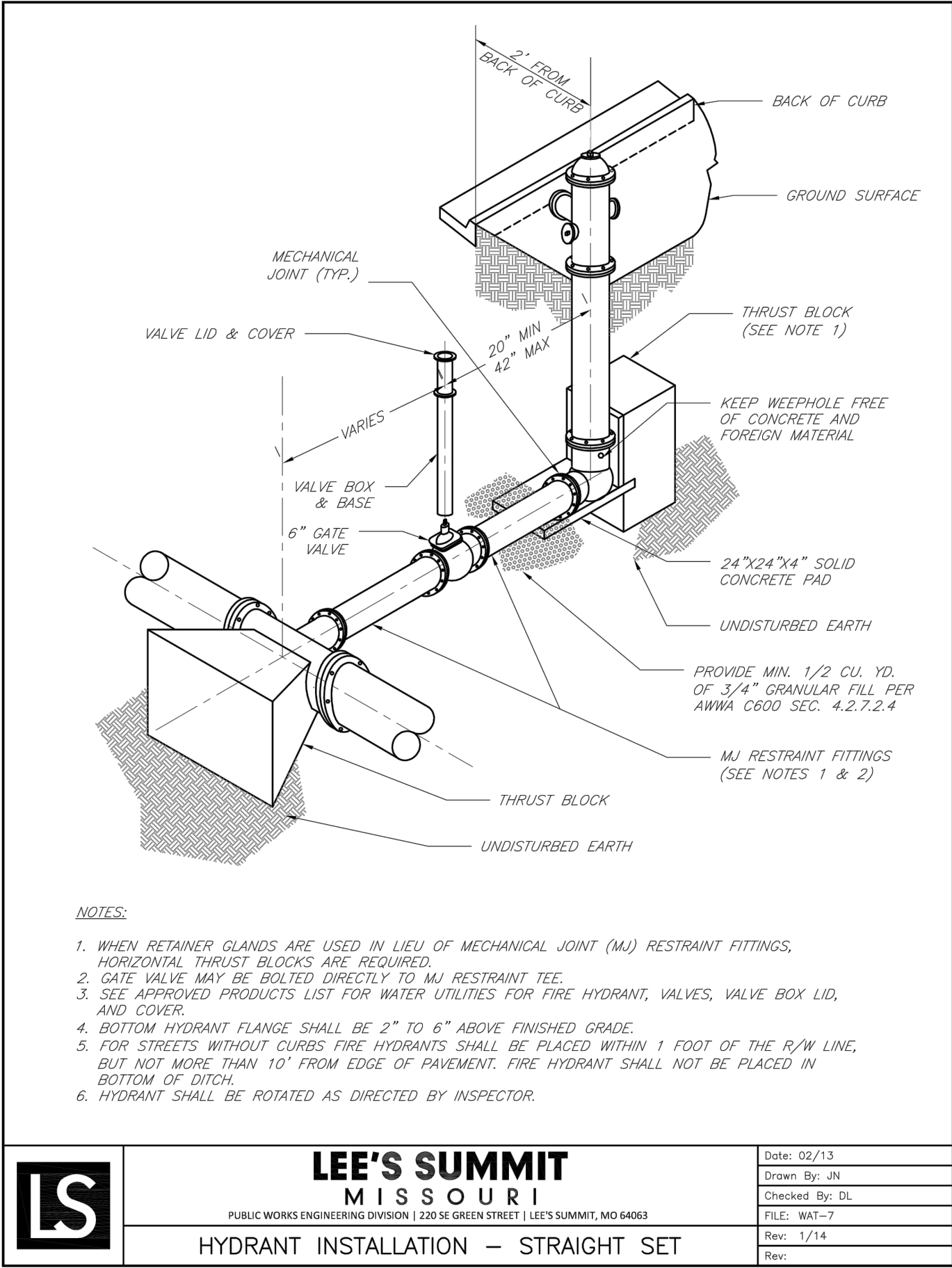


THRUST BLOCK DETAILS

N.T.S.

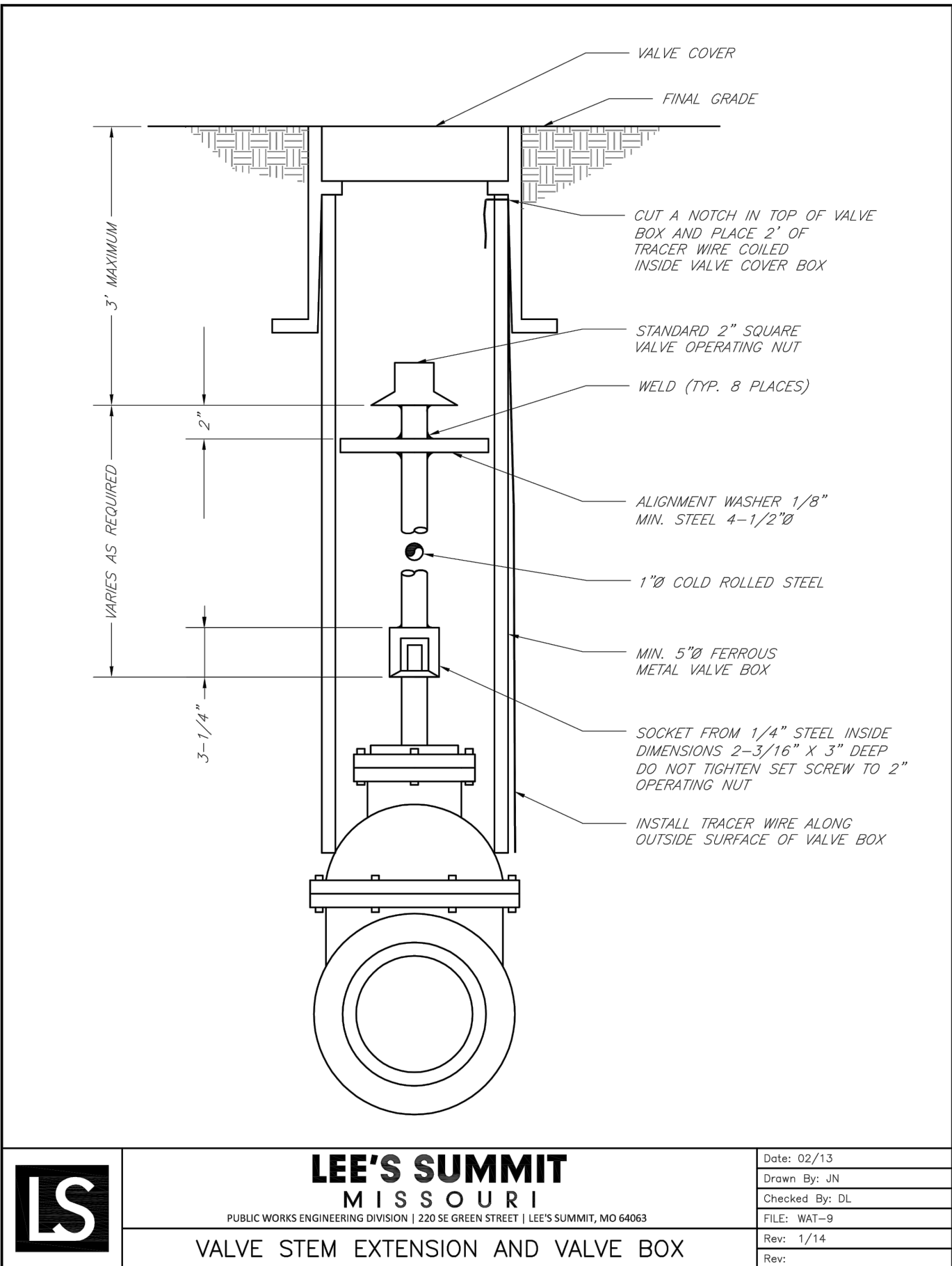
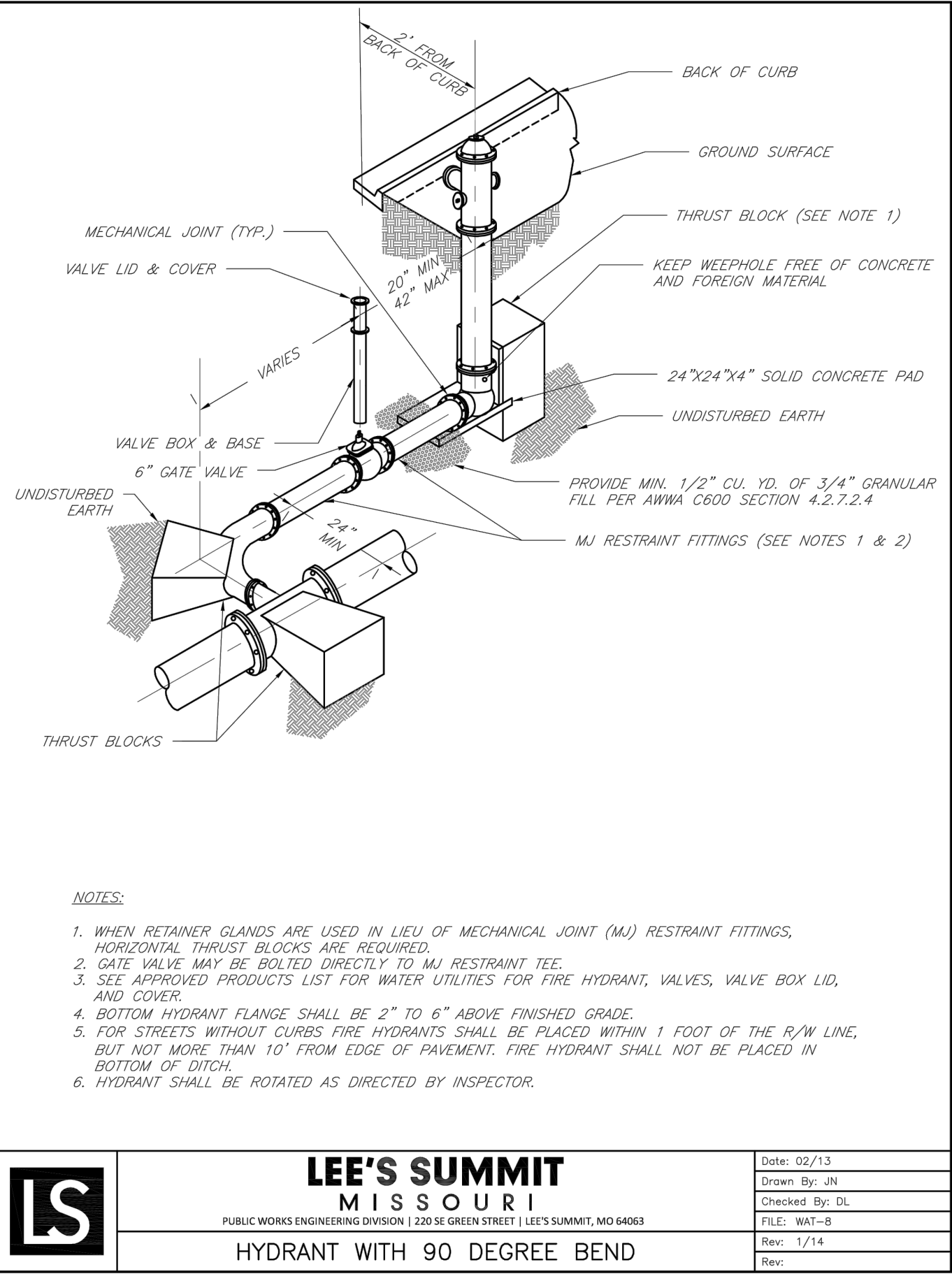


- NOTES:
1. A MINIMUM OF 42 INCHES OF COVER SHALL BE OVER THE TOP OF THE PIPE. THIS MINIMUM OF COVER SHALL BE FROM THE TOP OF PIPE TO THE FINISHED GRADE. A MAXIMUM COVER OF 7' SHALL BE ALLOWED.
2. BEDDING AGGREGATE SHALL BE PLACED FROM A LEVEL 6 INCHES BELOW THE BOTTOM OF THE PIPE TO A LEVEL 6 INCHES ABOVE THE TOP OF THE PIPE.
3. TRENCH BACKFILL IN PAVED AREAS WITHIN STREET OR ALLEY RIGHT OF WAYS
a. NARROW TRENCH: SUITABLE BACKFILL MATERIAL FOR TRENCHES 24 INCHES OR LESS IN WIDTH AND SHALL BE TYPE A FLOWABLE FILL.
b. STANDARD TRENCH: SUITABLE BACKFILL MATERIAL FOR TRENCHES BETWEEN 24 TO 48 INCHES WIDE SHALL BE EITHER TYPE A FLOWABLE FILL OR DENSE, WELL GRADED AGGREGATE BASE MATERIAL. AGGREGATE BASE MATERIAL SHALL MEET THE REQUIREMENTS FOR KDOT AB-3; MODOT TYPES 1 OR 5; OR APWA 2202.2.
c. WIDE TRENCH: SUITABLE BACKFILL MATERIAL FOR TRENCHES BETWEEN GREATER THAN 48 INCHES WIDE SHALL BE SUITABLE MATERIAL AS SPECIFIED FOR EARTH EMBANKMENT IN APWA STANDARD SPECIFICATIONS, SECTION 2102.2.C.
4. SUITABLE BACKFILL MATERIAL OUTSIDE OF PAVED AREAS WITHIN RIGHT OF WAY, AND ALL AREAS OUTSIDE RIGHT OF WAY, MAY BE SUITABLE MATERIAL AS SPECIFIED FOR EARTH EMBANKMENT IN APWA STANDARD SPECIFICATIONS, SECTION 2102.2.C. SUITABLE BACKFILL MATERIAL MAY ALSO BE OTHER TRENCH BACKFILL MATERIAL (FLOWABLE FILL OR AGGREGATE BASE) DEPENDING ON SITE CONDITIONS, TRENCH WIDTHS OR AT THE DIRECTION OF THE CITY'S ON SITE INSPECTOR.



FIRE HYDRANT DETAIL

N.T.S.



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LEE'S SUMMIT, MISSOURI
02/22/2021

olsson

NO. 001101 of Authority # 001092
300 E. HURLOCK STREET, SUITE 100
NORTH KANSAS CITY, MO 64116
TEL. 816.851.1177
www.olsson.com

STATE OF MISSOURI
JULIE ELAINE
SELLERS
6/15/20
NUMBER
PE-2017000367
PROFESSIONAL ENGINEER

BY
REVISIONS DESCRIPTION
DATE
NO. REV.
DETAIL SHEET
WATER MAIN EXTENSION
WOODSIDE RIDGE
SECOND PLAT
LEE'S SUMMIT, MO
2020

drawn by: C.S.M.
checked by: J.E.S.
designed by: C.S.M.
QA/QC by: M.G.D.
project no.: A18-1140
date: 2019.03.12

SHEET
C310