

MONTICELLO 4th PLAT
WATER CONSTRUCTION PLANS
LOTS 109- TRACTS
SECTION 4, TOWNSHIP 48 NORTH, RANGE 31 WEST
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI



WATER:
1 ~ THE CONTRACTOR SHALL COORDINATE WITH THE PUBLIC WORKS 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.

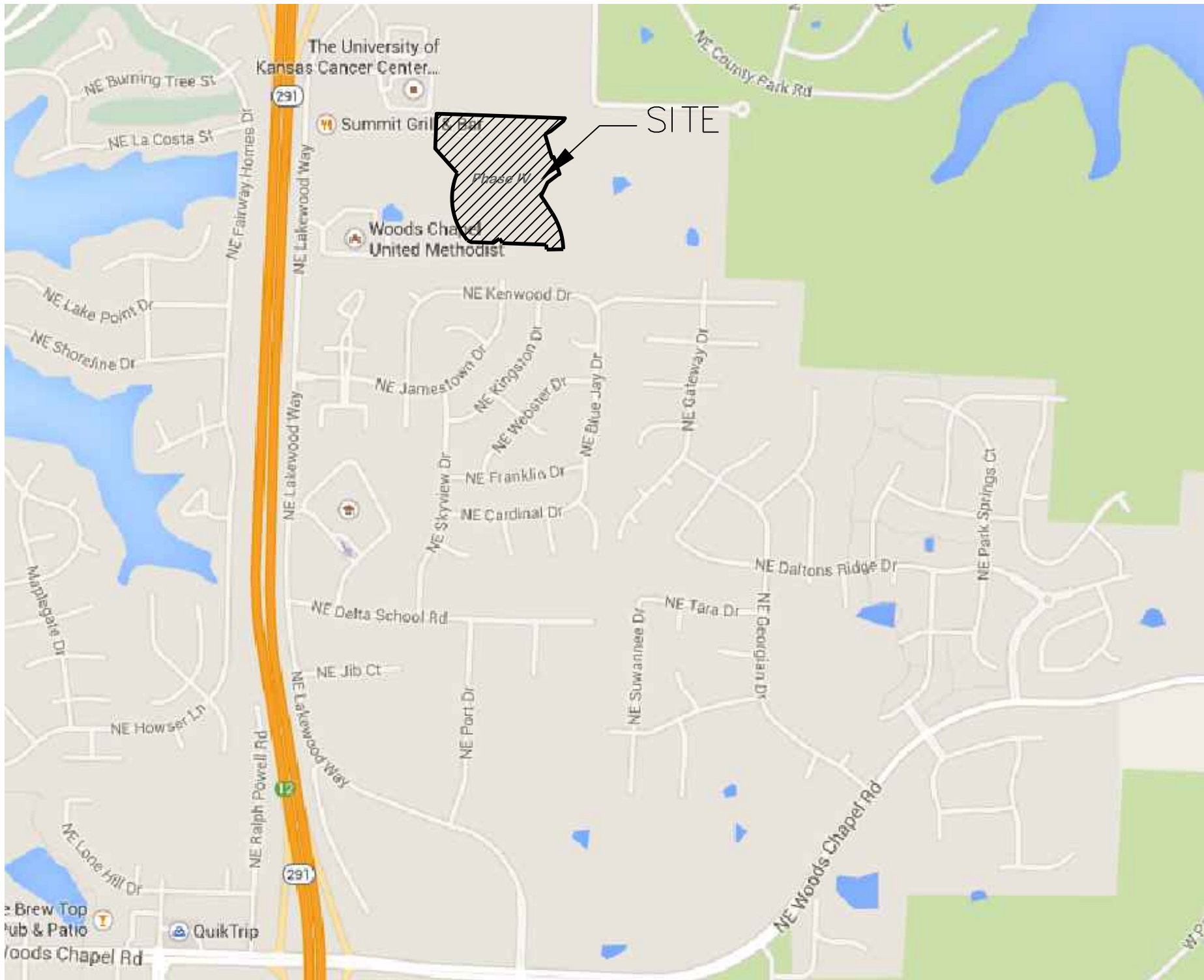
4 ~ ALL WATER MAINS SHALL BE CONSTRUCTED WITH A MINIMUM COVER OF 42 INCHES. STREET GRADING SHALL BE COMPLETED PRIOR TO BEGINNING CONSTRUCTION OF WATER MAINS.

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.

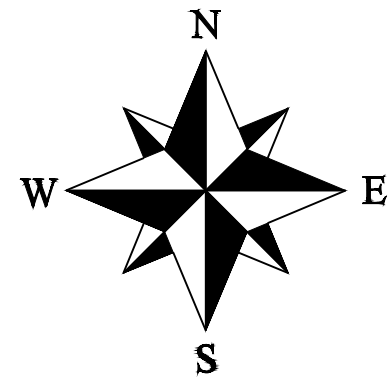
6 ~ THE MINIMUM SEPARATION BETWEEN THE PROPOSED WATER MAIN AND SANITARY OR STORM SEWERS IS AS FOLLOWS:
A ~ SANITARY SEWERS: HORIZONTAL = 10 FEET - VERTICAL = 18 INCHES
B ~ STORM SEWERS: HORIZONTAL = 10 FEET - VERTICAL = 18 INCHES
THESE SEPARATIONS SHALL PREVAIL OVER ANY DATA SHOWN IN THESE PLANS AND 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

8 ~ Areas where proposed pipe is at or above existing grade, embankment shall be placed and compacted prior to installing the pipe. Embankment shall be placed to finished grade, prior to trenching for pipe installation. For pipes deeper than 4 feet from finished grade, trenching may take place when the embankment is at least 4 feet above the proposed top of pipe elevation.



SITE LOCATION MAP



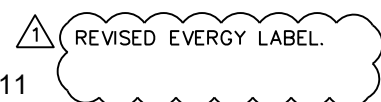
INDEX OF SHEETS:

- C.500 ~ COVER SHEET
- C.501 ~ WATER LINE GENERAL LAYOUT
- C.502 ~ WATER LINE PLAN & PROFILE
- C.503 ~ WATER 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

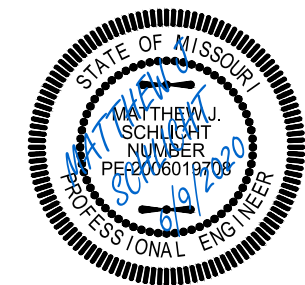
APPROVED: DATE: _____

BY: _____
CITY ENGINEER

Monticello 4th Plat
Lee's Summit, Jackson County, Missouri

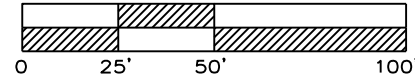
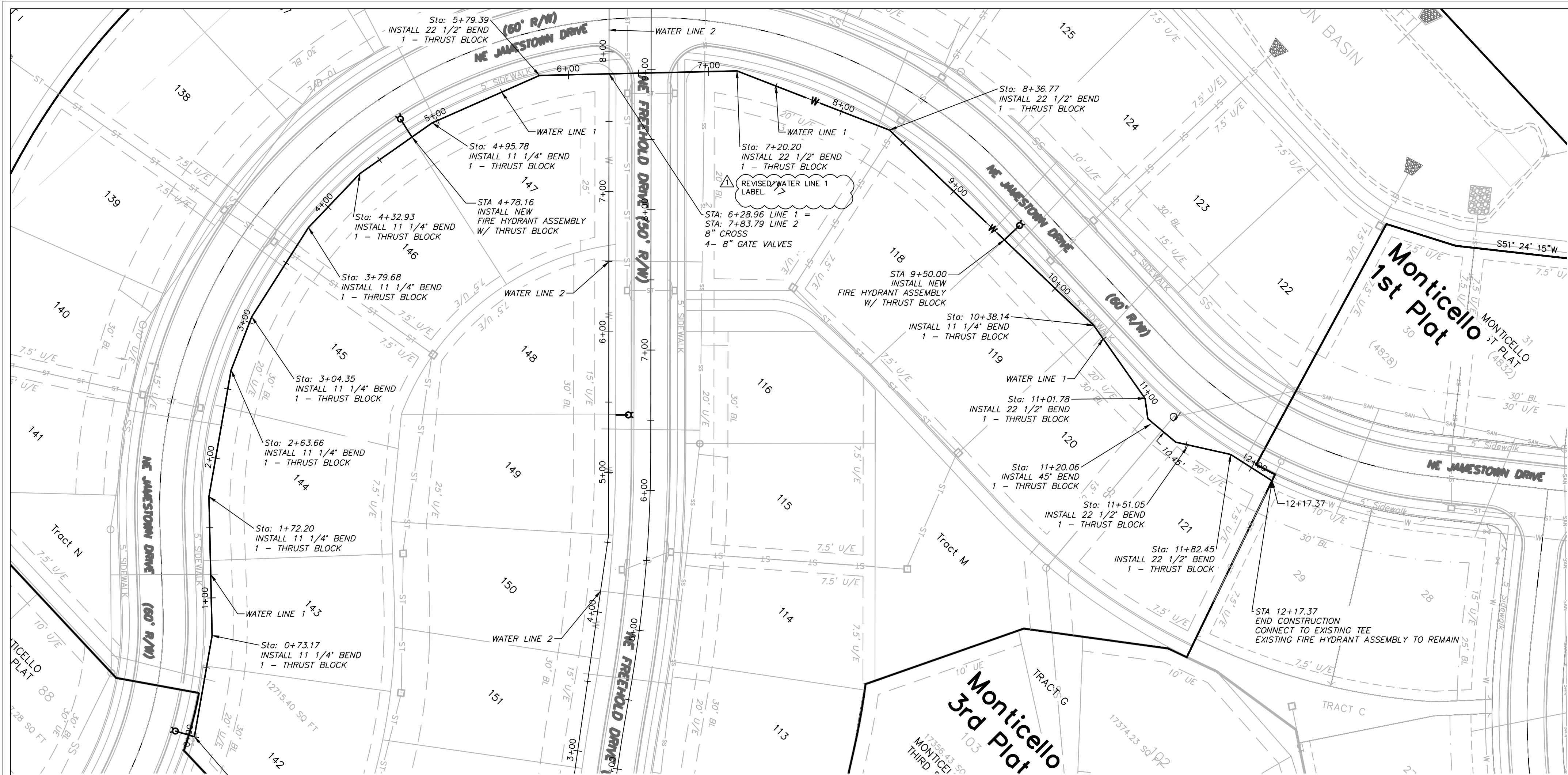
Project: Monticello
Issue Date: April 10, 2020

Water Main Cover Sheet
Construction Plans for:
Monticello 4th Plat
Lee's Summit, Jackson County, Missouri



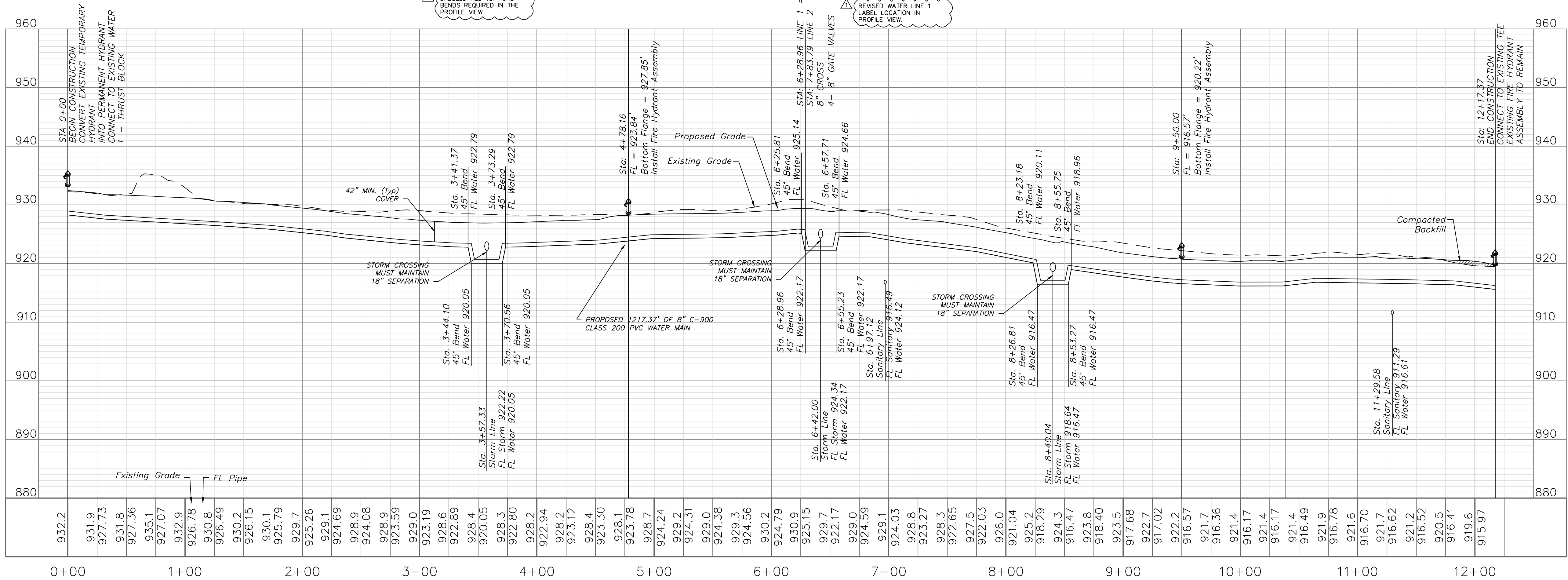
Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25526

REVISIONS
REV. 6/9/2020

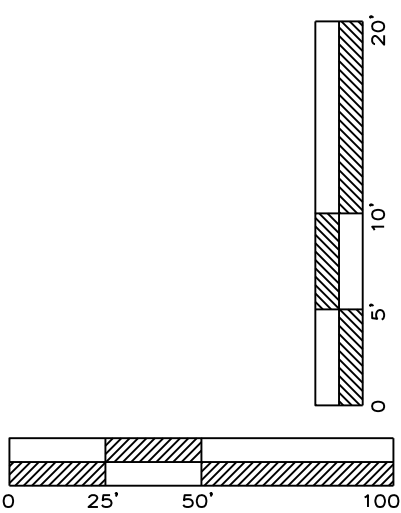


WATER PLAN & PROFILE
SCALE: 1" = 50'

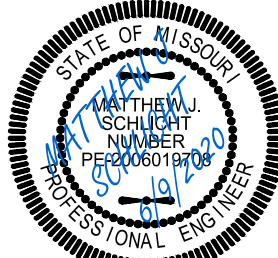
WATER LINE 1



NOTE:
WATER MAINS SHALL NOT EXCEED
7 FEET IN DEPTH AS MEASURED
TO THE TOP OF THE PIPE.



Water Line Plan and Profile
Construction Plans for:
Monticello 4th Plat
Lee's Summit, Jackson County, Missouri



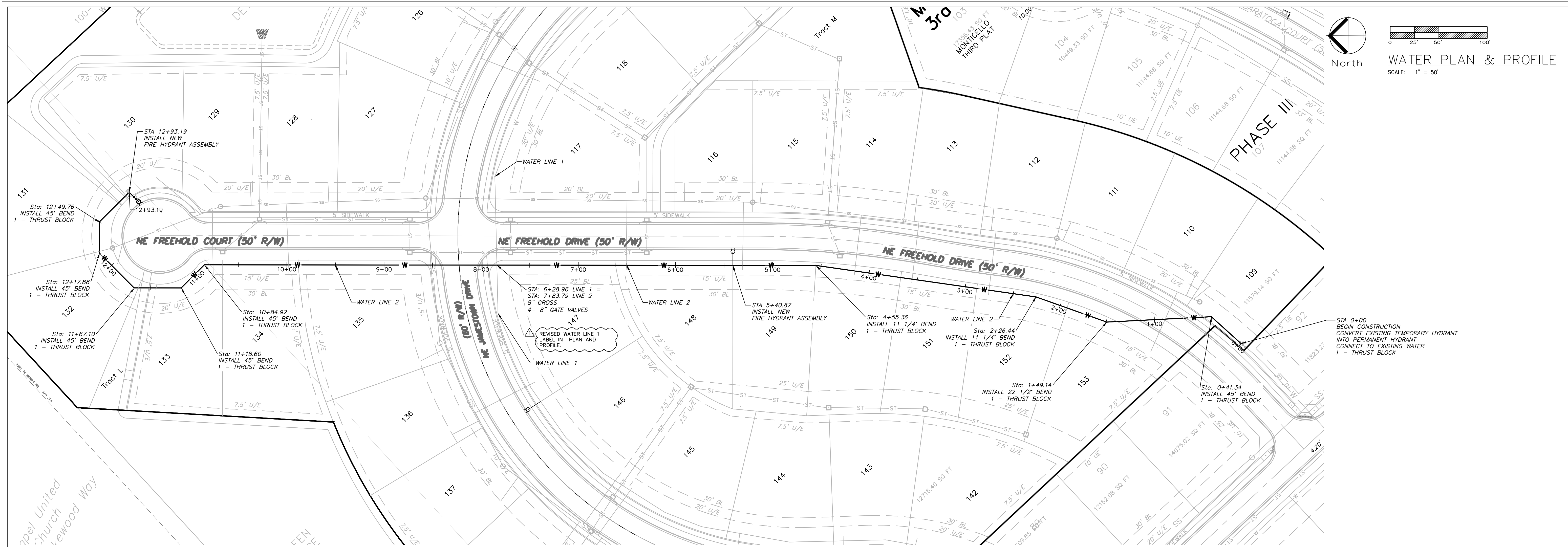
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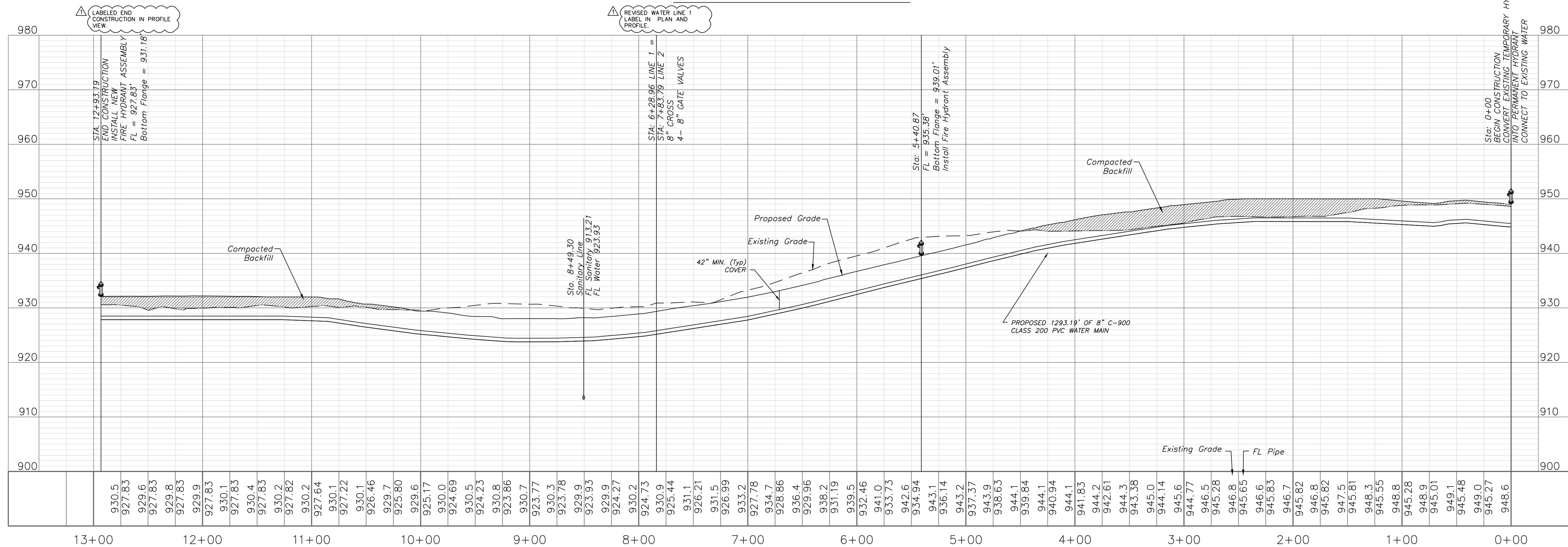
Professional Registration
Missouri
Engineering 2005002188-D
Surveying 200500019-D
Kansas
Engineering E-1895
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

Project:
Monticello
Issue:
April 10, 2020

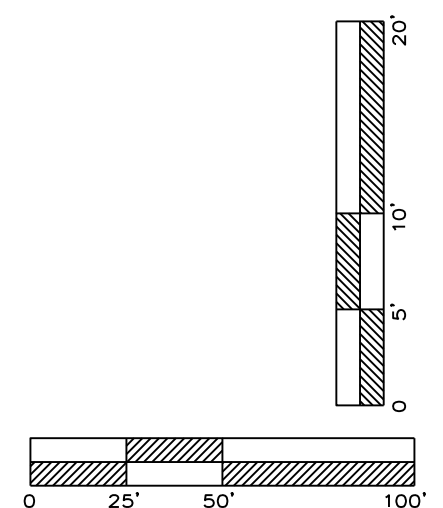
ENGINEERING
ENGINEERING & SURVEYING
SOLUTIONS
50 SE 30TH STREET
LEE'S SUMMIT, MO 64082
P: (816) 623-9888 F: (816) 623-9849



WATER LINE 2



NOTE:
WATER MAINS SHALL NOT EXCEED 7 FEET IN DEPTH AS MEASURED TO THE TOP OF THE PIPE.
COMPACTED FILL SHALL BE PLACED TO A MINIMUM 18" ABOVE THE TOP OF THE PIPE PRIOR TO INSTALLATION.
ADDED COMPACTED FILL NOTE AND HATCHING.



ENGINEERING SOLUTIONS

ENGINEERING & SURVEYING

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Surveying LS-219

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Nebraska
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Water Line Plan and Profile

Construction Plans for:

Monticello 4th Plat

Lee's Summit, Jackson County, Missouri

Project:

Monticello

Issue:

Issue 1

Date:

April 10, 2020

STATE OF MISSOURI

SEAL

MATTHEW J. SCHLICHT

REGISTERED PROFESSIONAL ENGINEER

NO. 000000000

MO. P.E. 2006019708

KS. P.E. 190071

OK. P.E. 255226

REVISIONS

REV. 6/9/2020

C.503

NOTES:

1. ALL BENDS WITHOUT RESTRAINED JOINTS SHALL HAVE CONCRETE THRUST BLOCKS INSTALLED FOR RESTRAINT.
2. MEGA LUGS MAY BE USED ONLY IN CONJUNCTION WITH CONCRETE THRUST BLOCKING.
3. BEARING AREA MUST BE AGAINST UNDISTURBED SOIL.
4. DO NOT COVER JOINTS OR BOLTS (WHERE APPLICABLE) WITH CONCRETE.



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