# THE RIDGE AT WINTERSET SUMMIT

# LOTS 1601-1605 WATER LINE CONSTRUCTION PLAN

Part of Section 2 & 3, Township 47 North, Range 32 West

Lee's Summit, Jackson County, Missouri

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

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 UNDISTURBED EARTH AND PER CITY OF LEES SUMMIT AND APWA

6 ~ THE MINIMUM SEPARATION BETWEEN THE PROPOSED WATER MAIN AND

A ~ SANITARY SEWERS: HORIZONTAL = 10 FEET - VERTICAL = 18 INCHES B ~ STORM SEWERS: HORIZONTAL = 10 FEET - VERTICAL = 18 INCHES 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

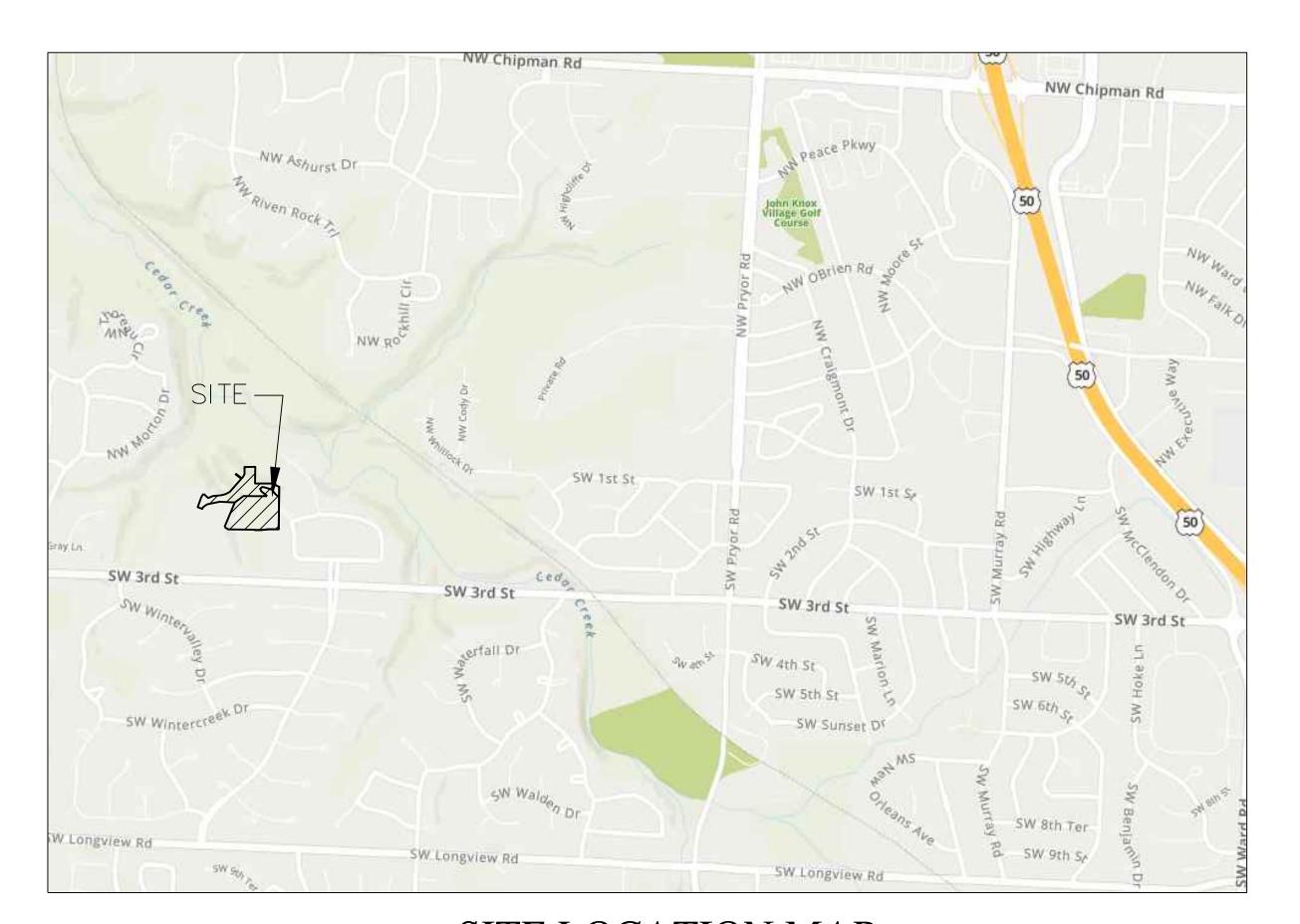
CITY OF LEE'S SUMMIT PUBLIC WORKS ~ 969-1800 CITY OF LEE'S SUMMIT PUBLIC WORKS INSPECTIONS ~ 969-1800

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.

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. 29095C0416G EFFECTIVE DATE: JANUARY 20,



# SITE LOCATION MAP

### **INDEX OF SHEETS:**

C.500 ~ COVER SHEET

C.501 ~ WATER MAIN GENERAL LAYOUT

C.502 ~ WATER MAIN LINE PLAN & PROFILE

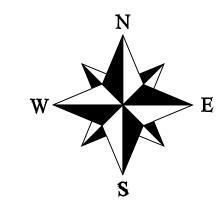
C.503 ~ DETAIL SHEET

## **Summary of Quantities:**

	ITEM AND DESCRIPTION	UNIT	ESTIMATED QUANTITY
WATER			
	FIRE HYDRANT ASSEMBLY	UNIT	2.00
	8" WATER LINE	UNIT	501.00
	CONNECT TO EXISTING	UNIT	1.00
	TEES AND BENDS	UNIT	8.00
	THDI IST BI OCK	LINIT	10.00

### **Accepted Record Drawings**

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



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

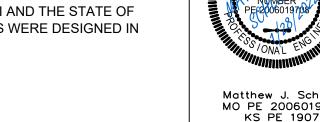
S/W - SIDEWALK U/E - UTILITY EASEMENT

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.



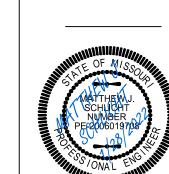
RECORD DRAWING The information provided on this drawing conforms to construction records; it is not intended for construction, implementation or recording purposes; and it is solely based on information obtained by my firm.

"<del>100.00</del> 100.10", "<del>1.00%</del> 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.

Certified by: Matthew J. Schlicht Title: Engineer\_

Firm: Engineering Solutions

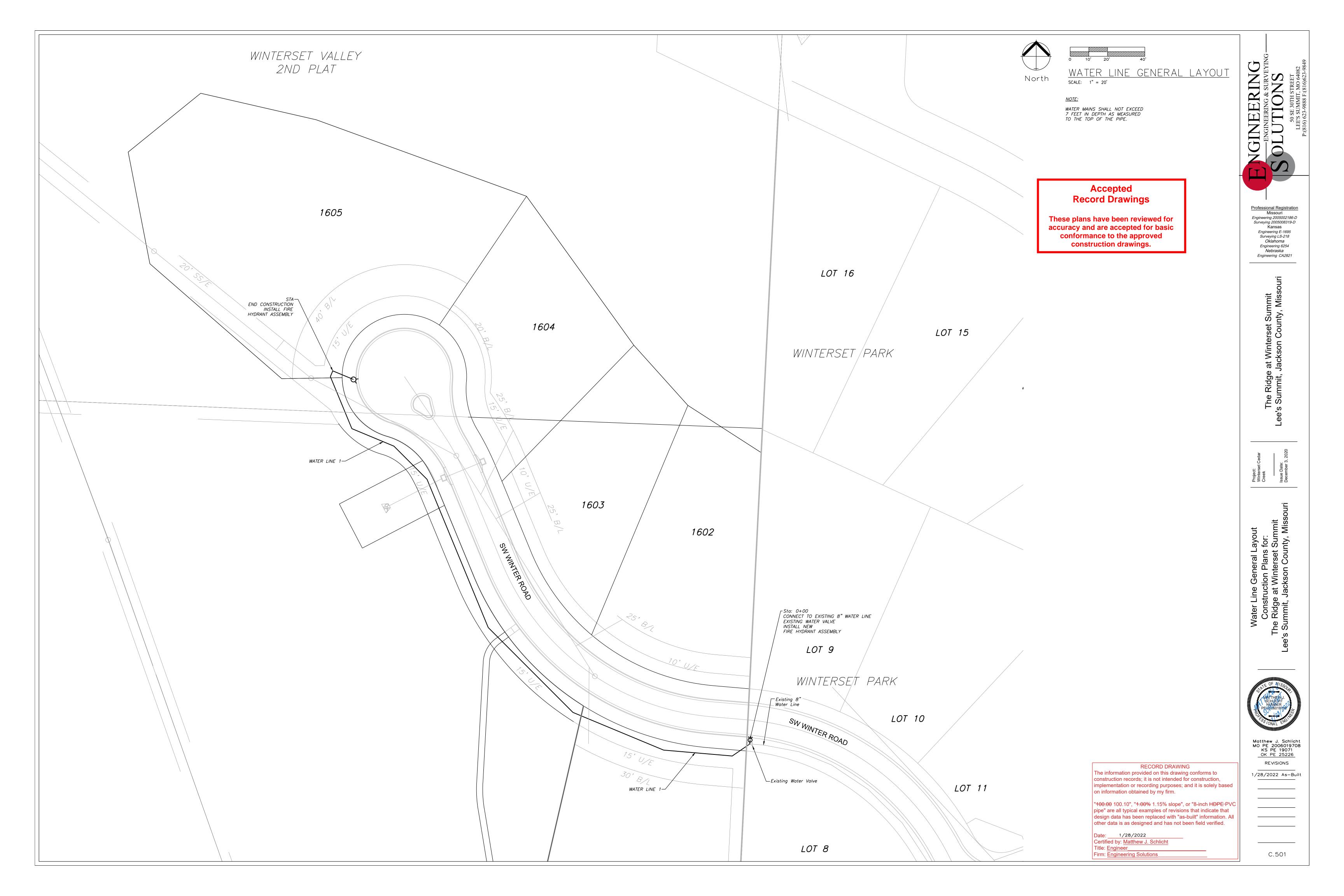
C.500

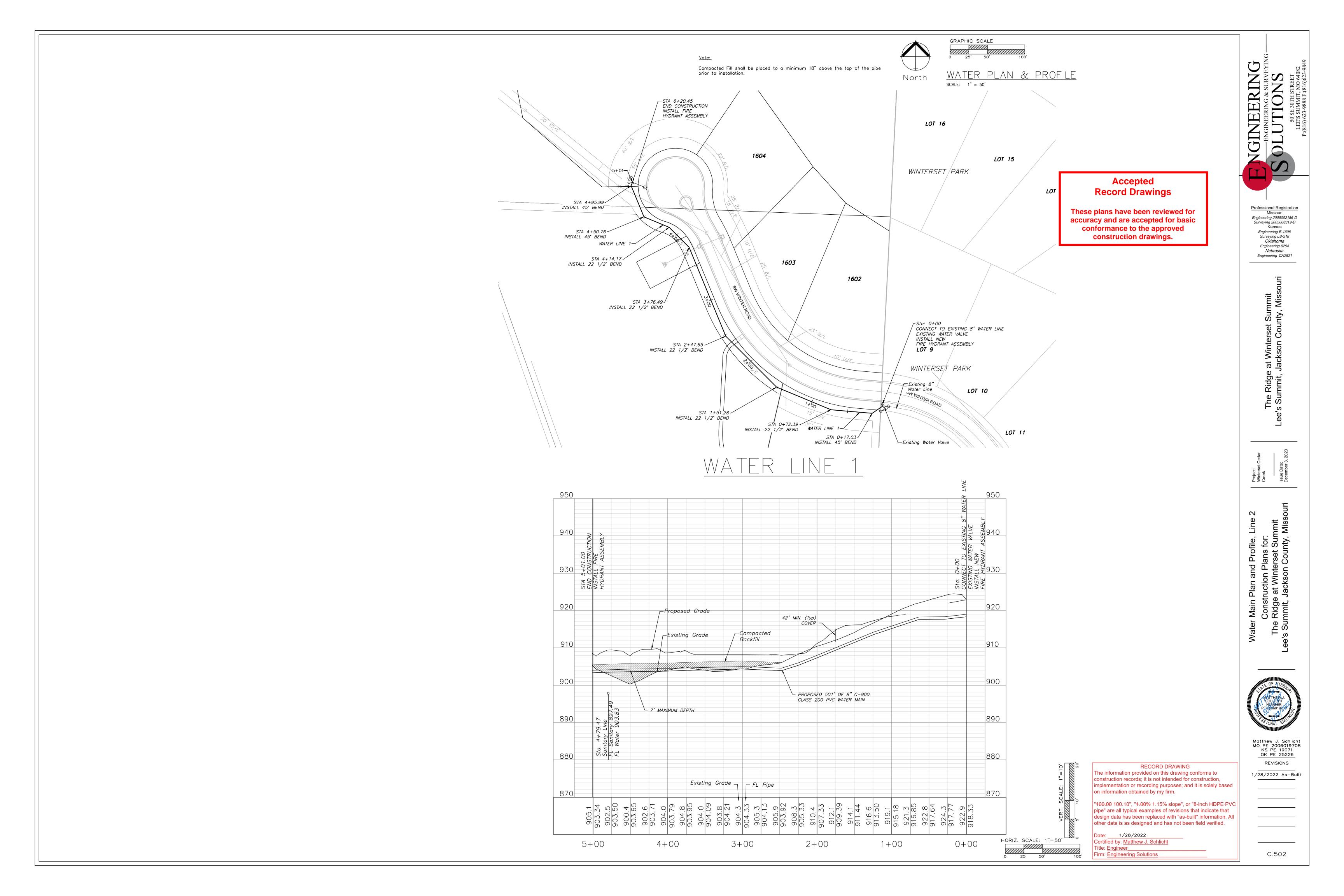


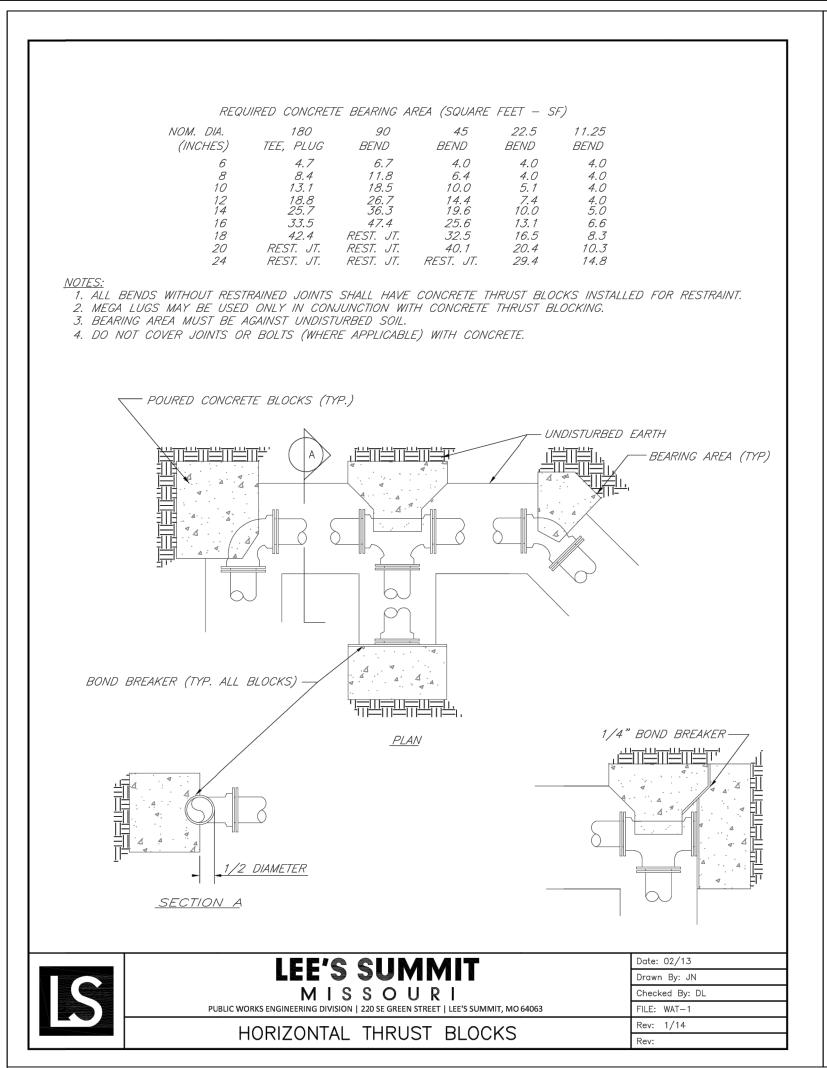
Matthew J. Schlicht MO PE 2006019708 KS PE 19071

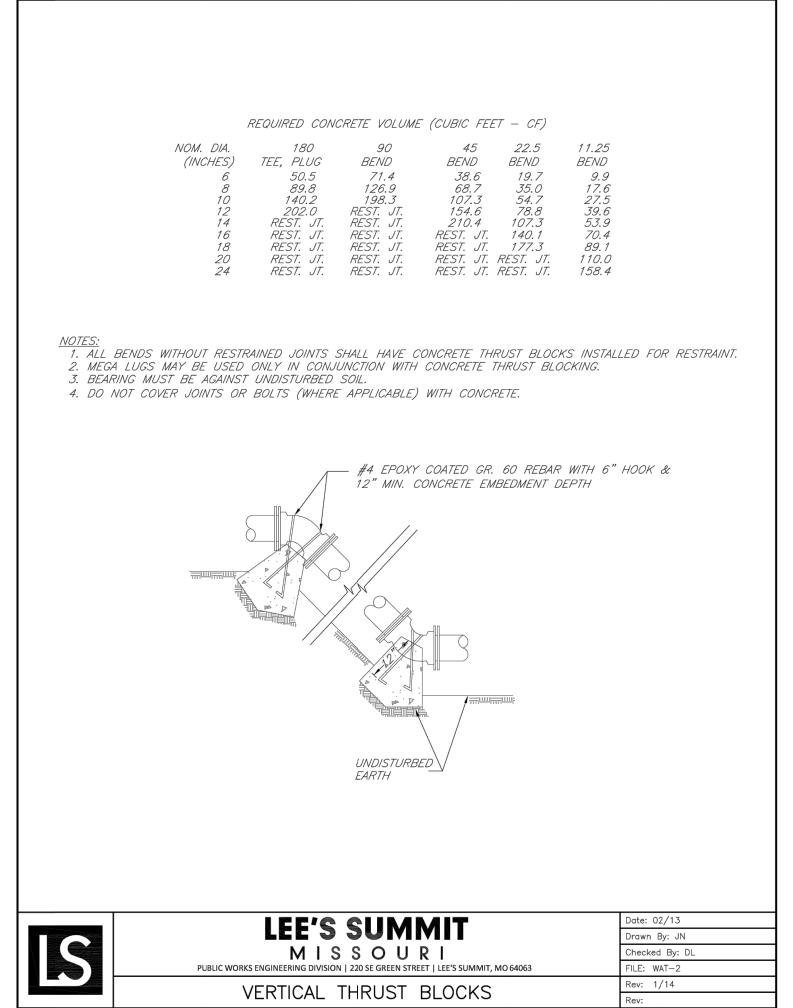
OK PE 25226 REVISIONS

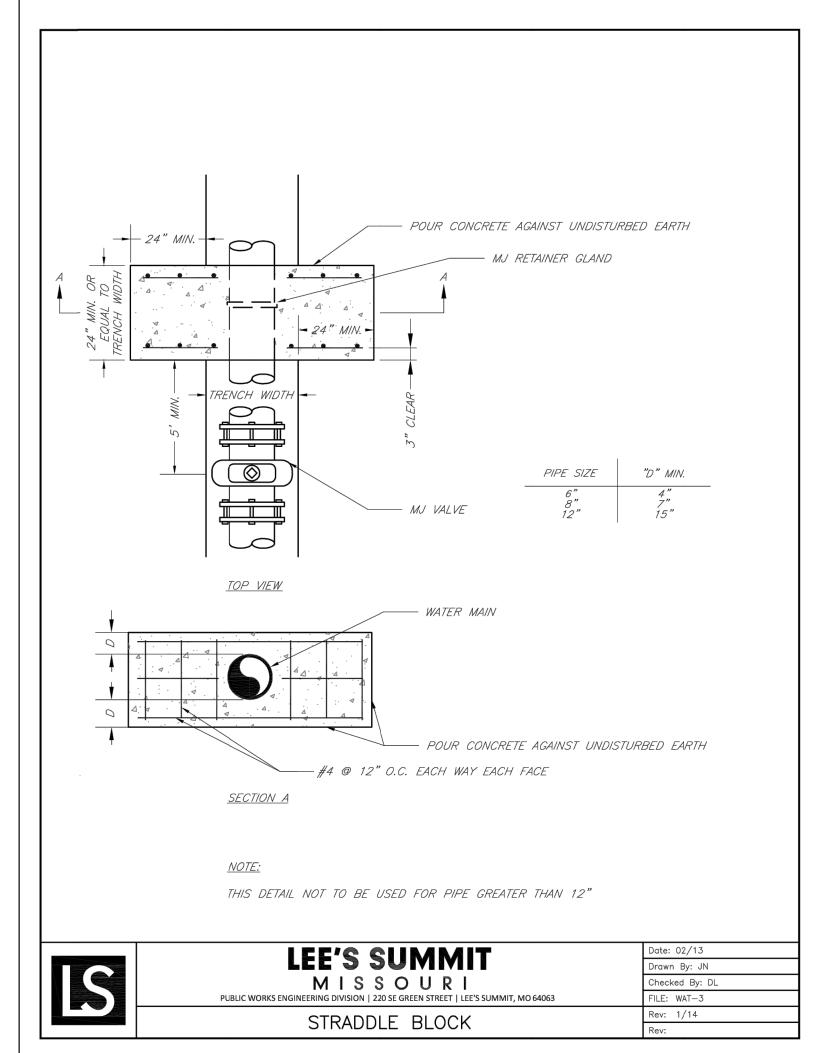
1/28/2022 As-Built

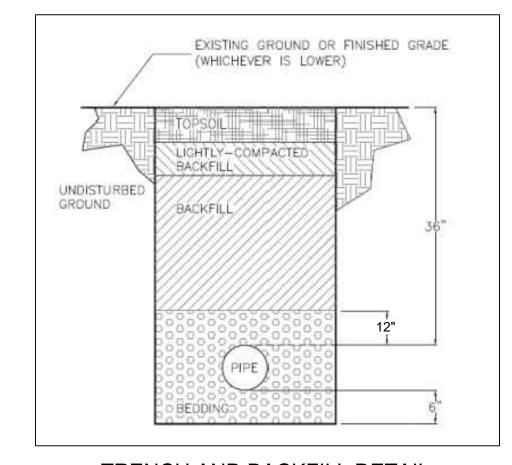








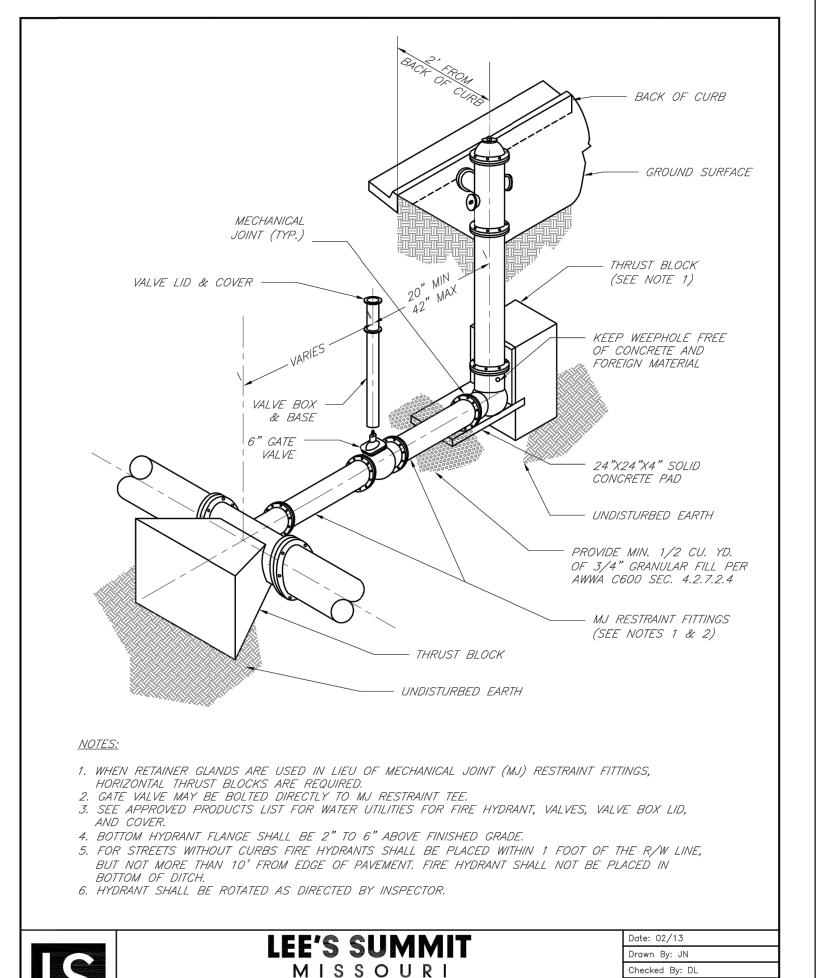




TRENCH AND BACKFILL DETAIL

#### Accepted Record Drawings

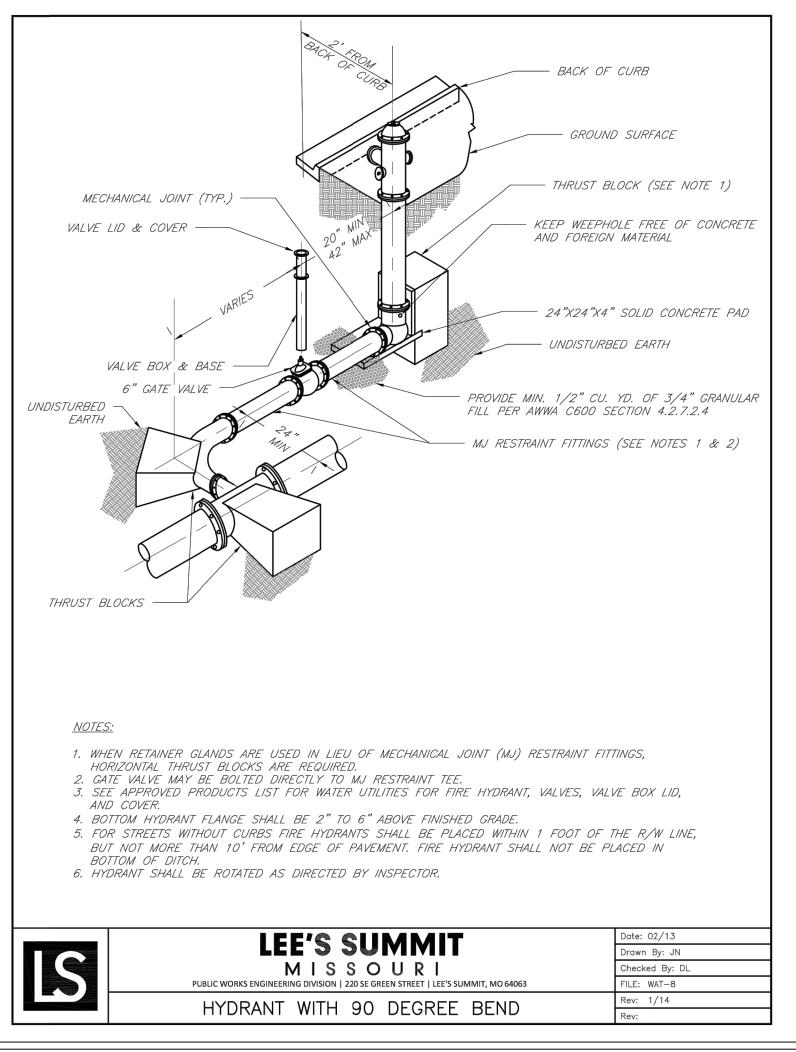
These plans have been reviewed for accuracy and are accepted for basic conformance to the approved construction drawings.

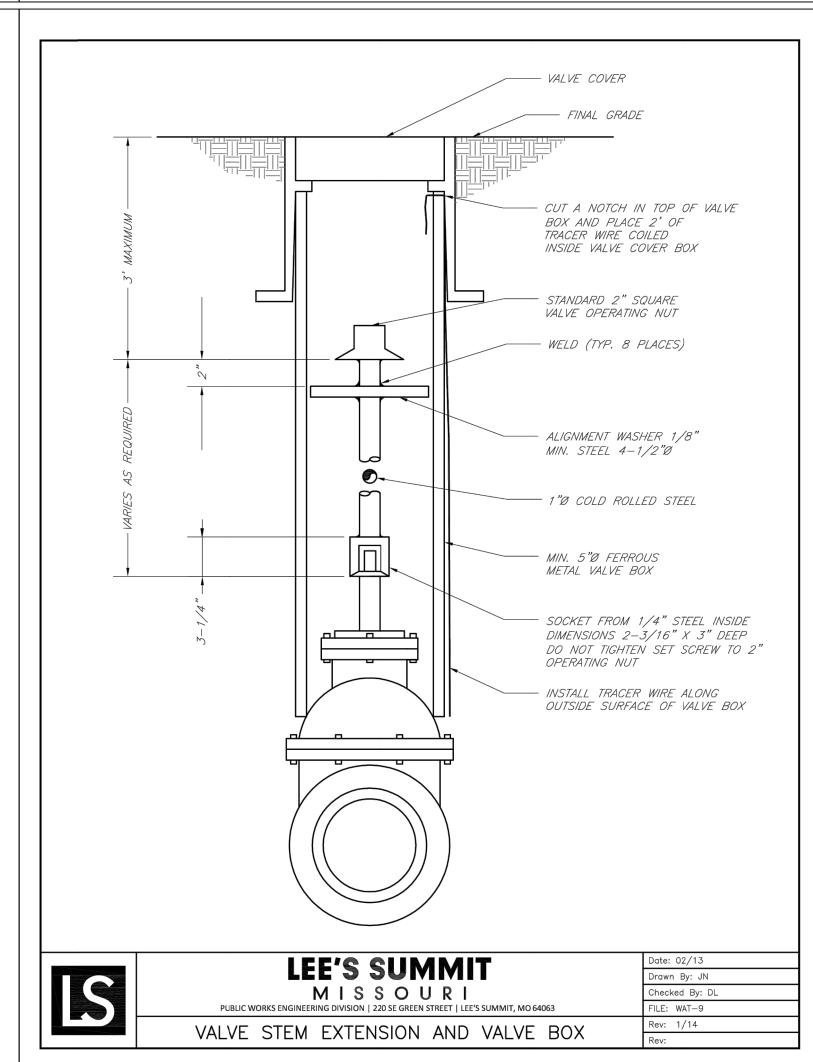


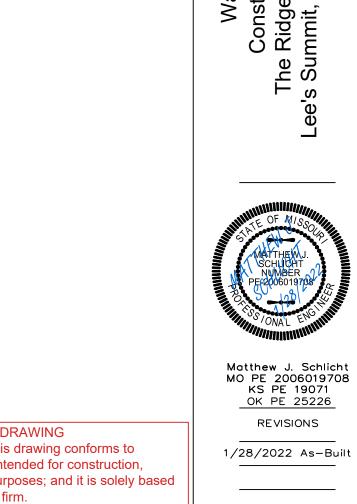
HYDRANT INSTALLATION - STRAIGHT SET

ILE: WAT-7

Rev: 1/14







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. "<del>100.00</del> 100.10", "<del>1.00%</del> 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: 1/28/2022 Certified by: Matthew J. Schlicht Title: Engineer\_ Firm: Engineering Solutions

Professional Registration Engineering 2005002186-D Surveying 2005008319-D Engineering E-1695 Surveying LS-218 Oklahoma Engineering 6254 Nebraska Engineering CA2821

The Ridge as Summit, J

1/28/2022 As-Built

C.503