THE TOWNHOMES OF CHAPEL RIDGE-3RD PLAT

LOTS 20-37 & TRACTS E-F 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.

 $2 \sim$ 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.

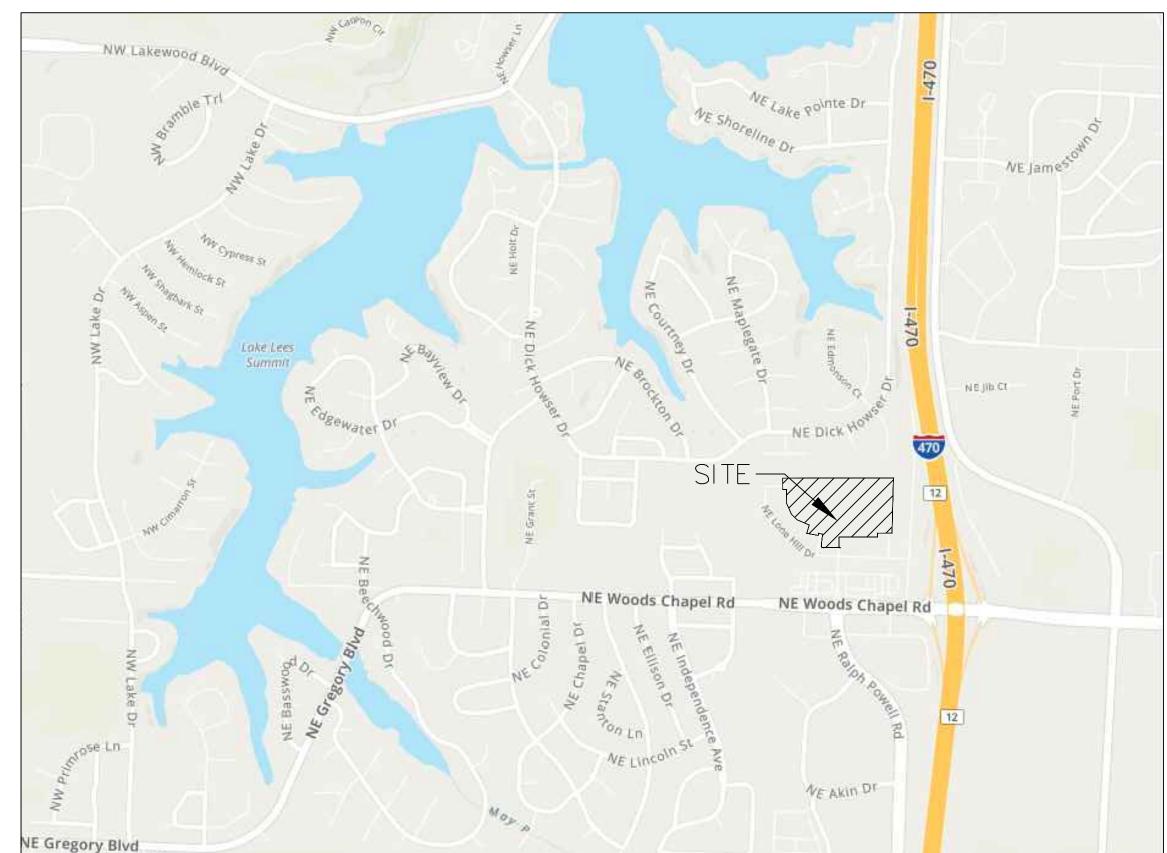
4 ~ ALL WATER MAINS SHALL BE CONSTRUCTED WITH A MINIMUM COVER OF 42 INCHES. STREET GRADING SHALL BE COMPLETED PRIOR TO BEGINNING CONSTRUCTION OF WATER MAINS.

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.

 $7 \sim {\rm ALL}$ 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 LINE DI AN & PROFILE

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	2.00
	8" C-900 CLASS 200 PVC WATER LINE	LF	671.18
	8" GATE VALVE/ VALVE BOX & COVER	UNIT	1.00
	CONNECT TO EXISTING	UNIT	1.00
	TEES, BENDS, CROSSES	UNIT	1.00

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.

ERGY ~ 298-1196 SSOURI GAS ENERGY ~ 756-5261 JUTHWESTERN BELL TELEPHONE ~ 761-501

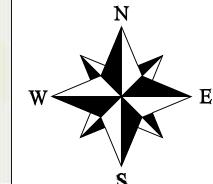
COMCAST CABLE ~ 795-1100 VILLIAMS PIPELINE ~ 422-6300

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

CITY OF LEE'S SUMMIT DEVELOPMENT ENGINEERING INSPECTION

CITY OF LEE'S SUMMIT WATER UTILITIES ~ 969-1900

MISSOURI ONE CALL (DIG RITE) ~ 1-800-344-748



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

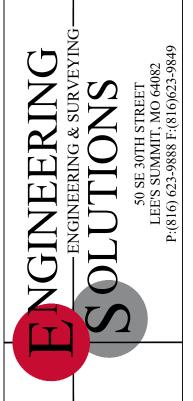
U/E - UTILITY EASEMENT

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-1695
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

E TOWNHOMES OF CHAPEL RIDGE-ZND F LOTS 20-37 & TRACTS E-F Lee's Summit, Jackson County, Missou

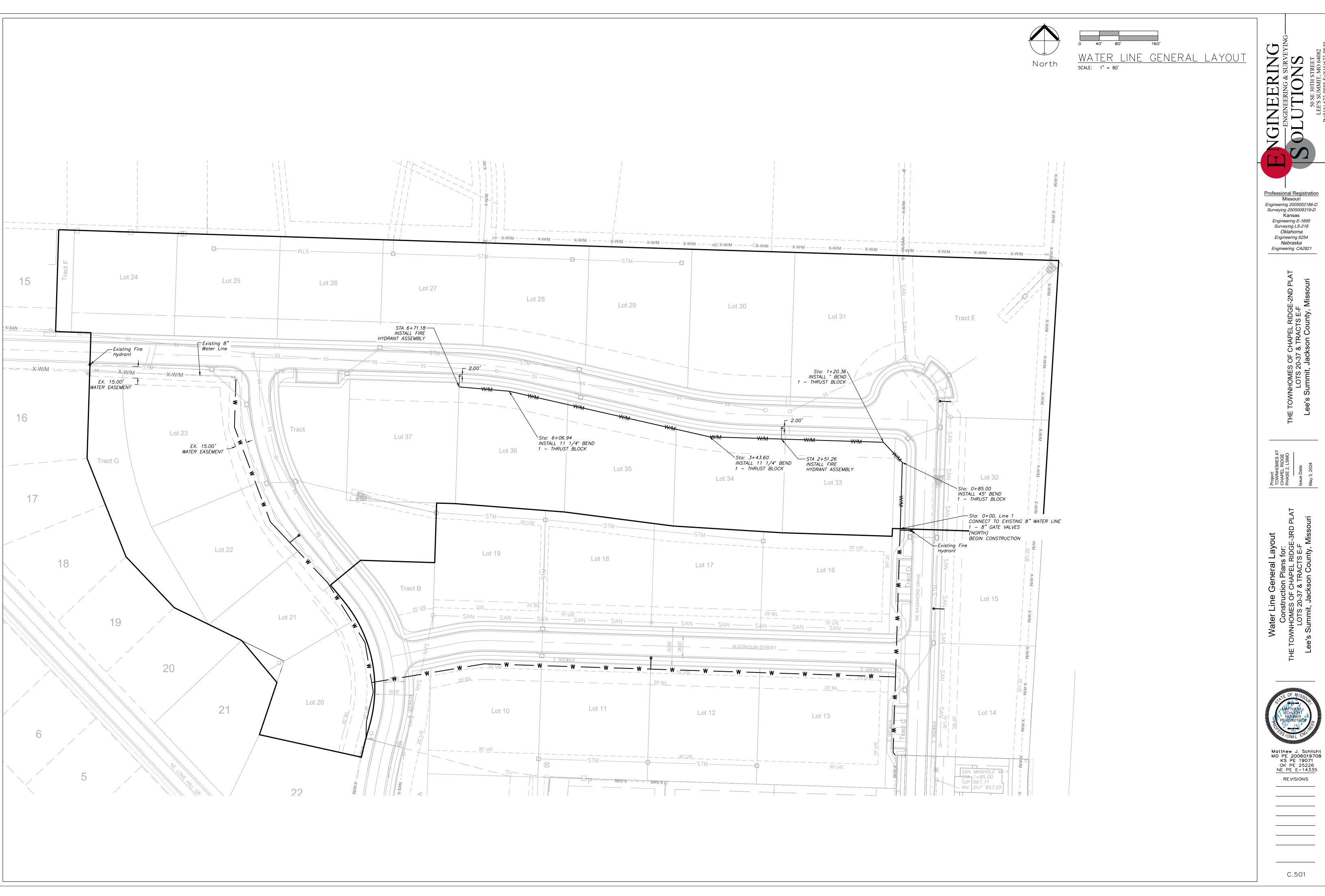
APEL RIDGE
ASE 2, LSMO
Le Date:

Water Main Cover Sheet
Construction Plans for:
E TOWNHOMES OF CHAPEL RIDGE-3RD PL
LOTS 20-37 & TRACTS E-F
Lee's Summit, Jackson County, Missour



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

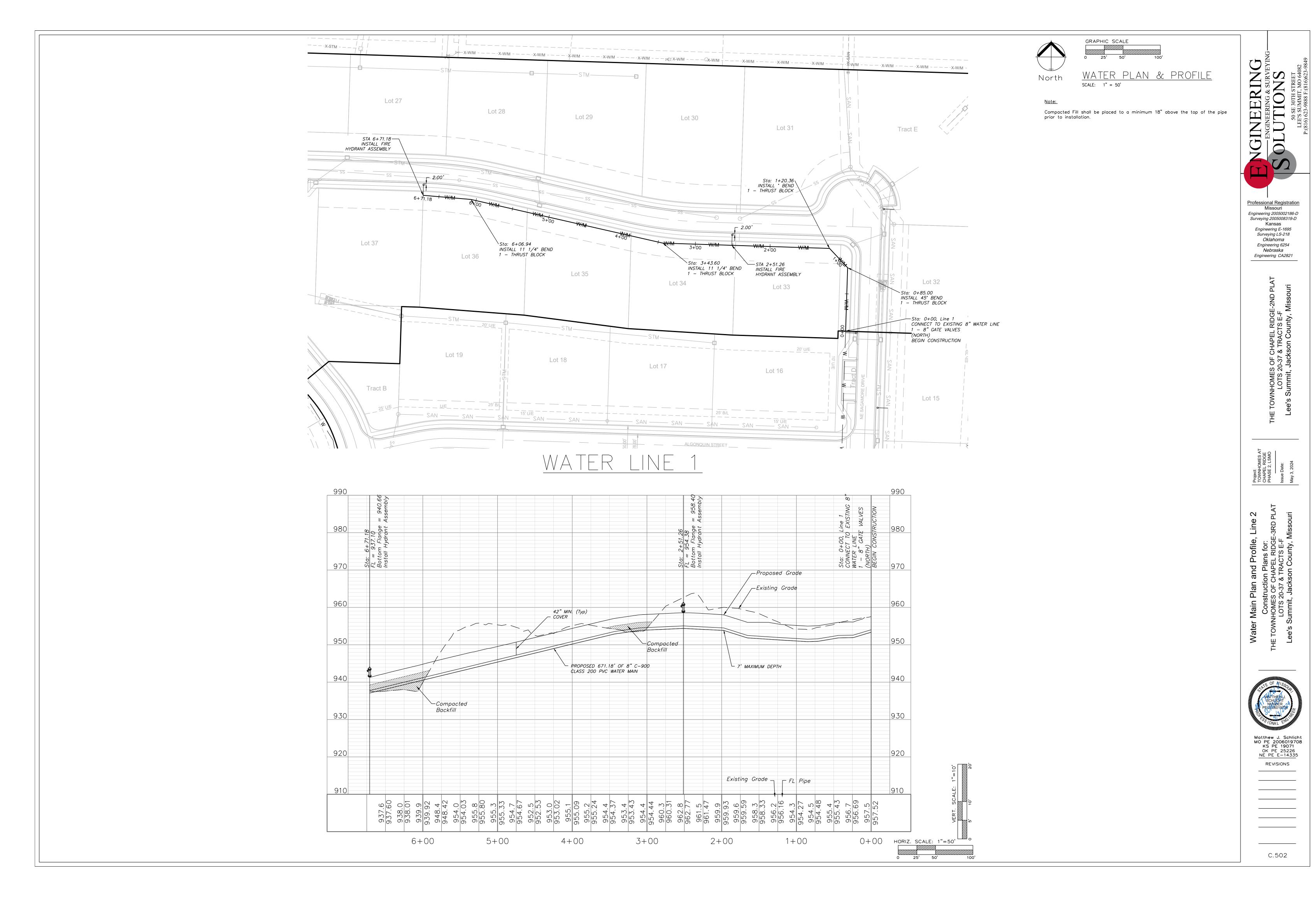
C.500

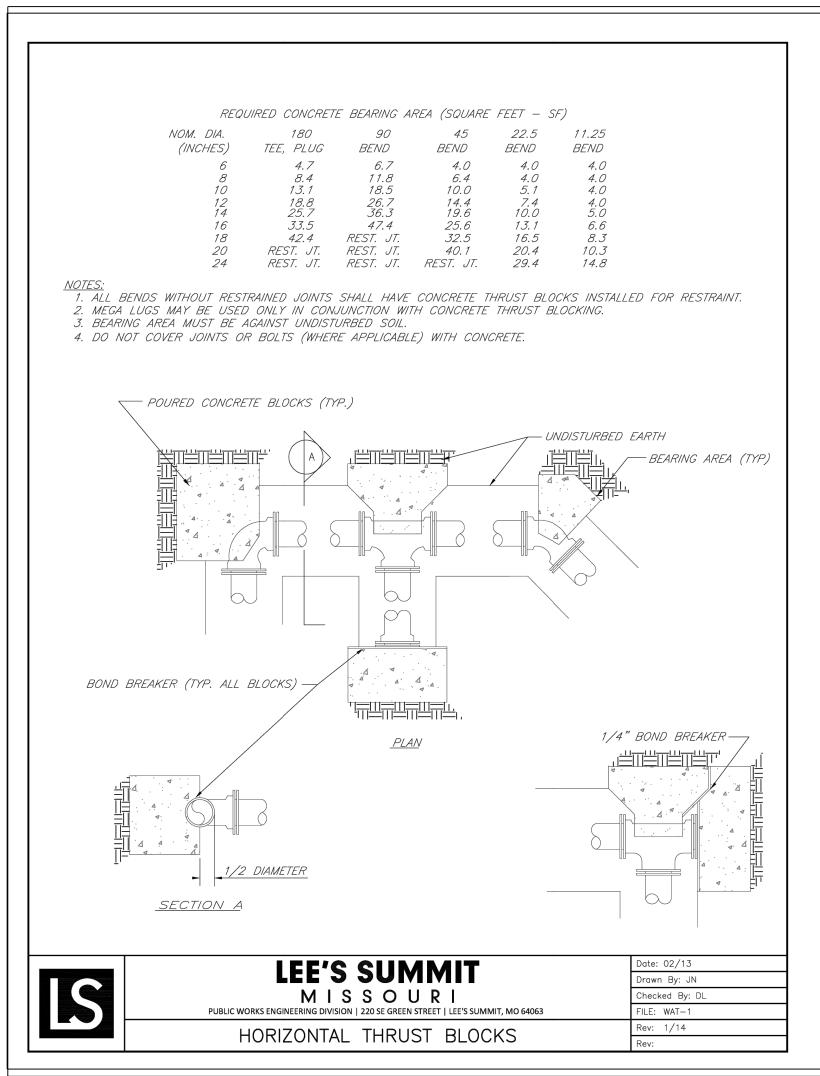


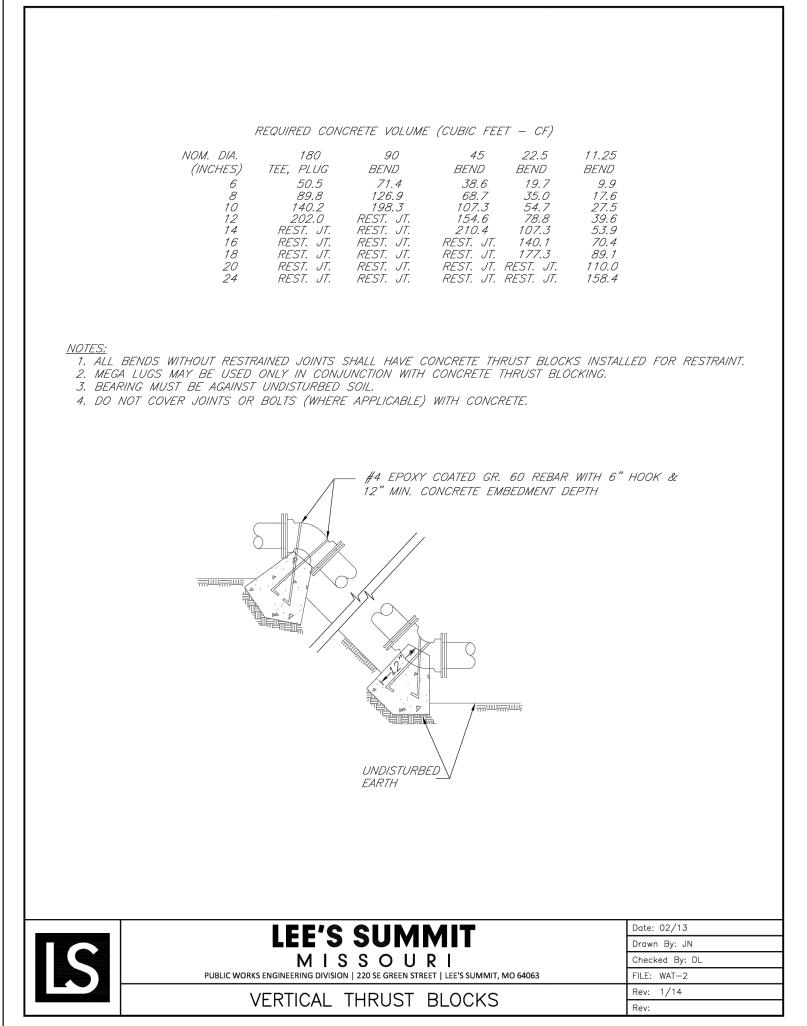
Professional Registration
Missouri
Engineering 2005002186-D
Surveying 2005008319-D
Kansas
Engineering E-1695
Surveying LS-218
Oklahoma Engineering 6254 Nebraska Engineering CA2821

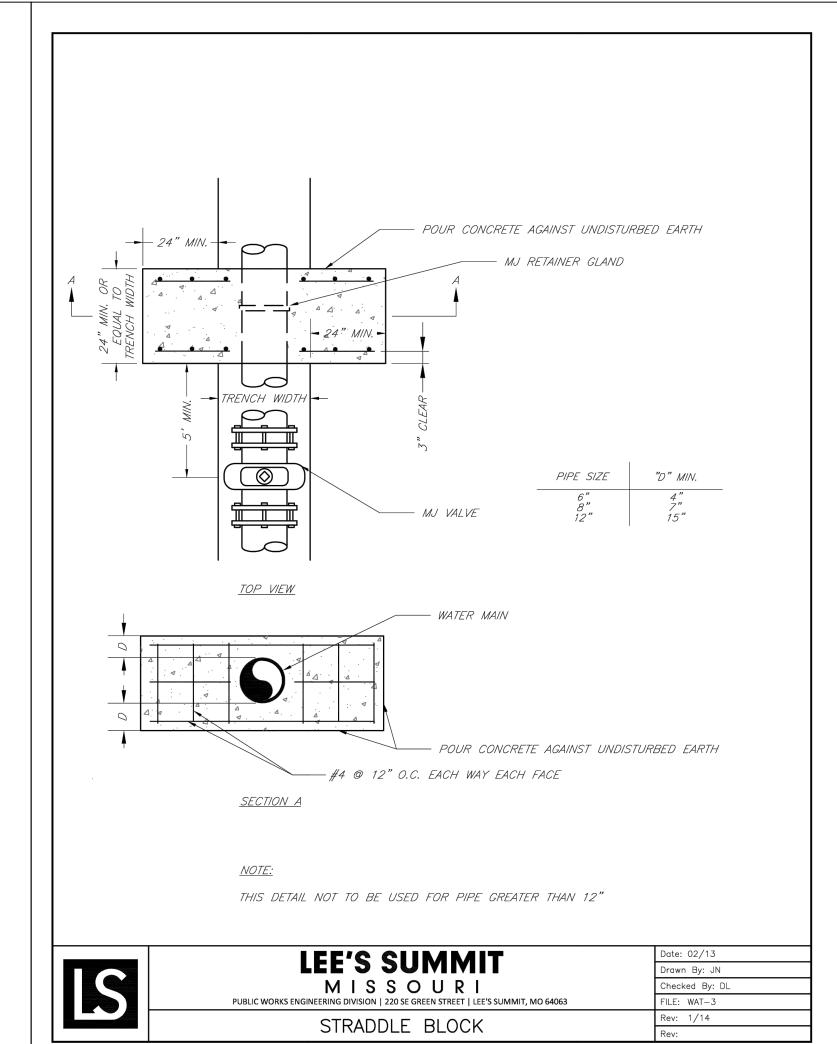


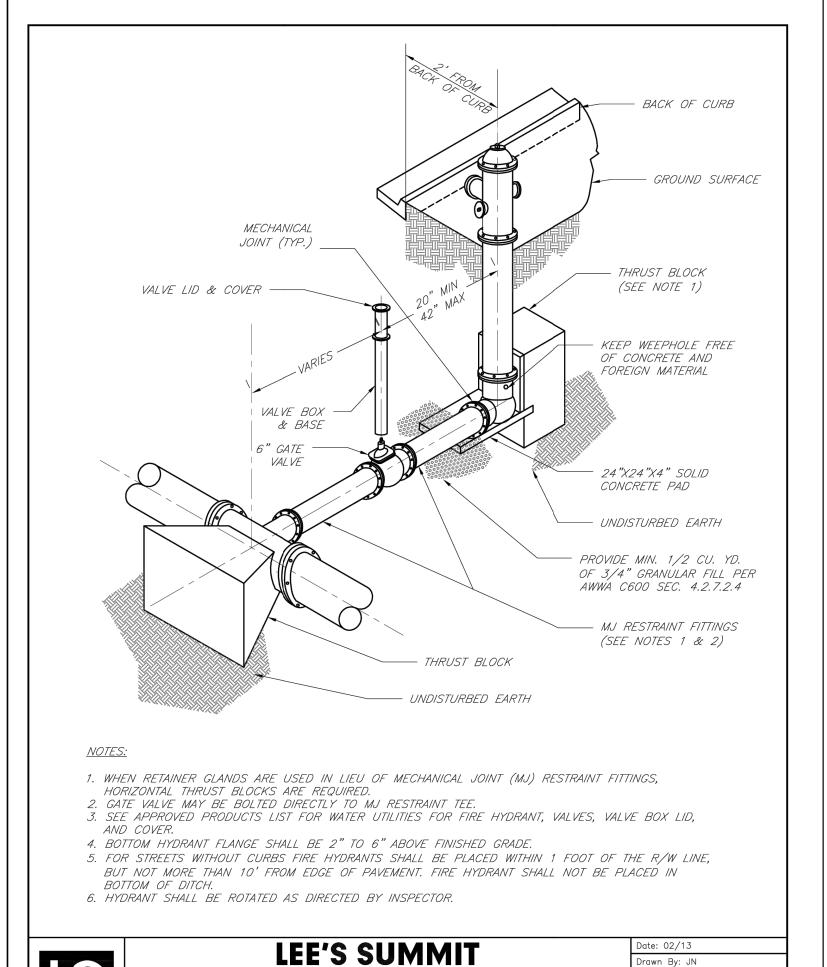
REVISIONS







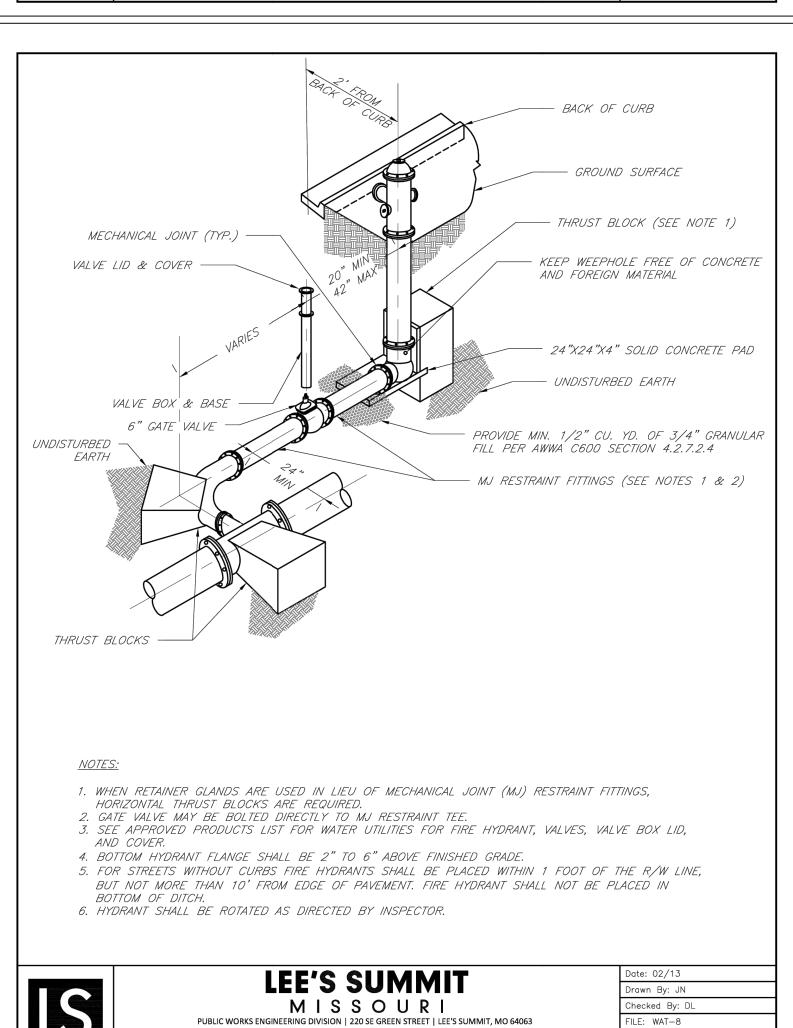




M I S S O U R I
PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

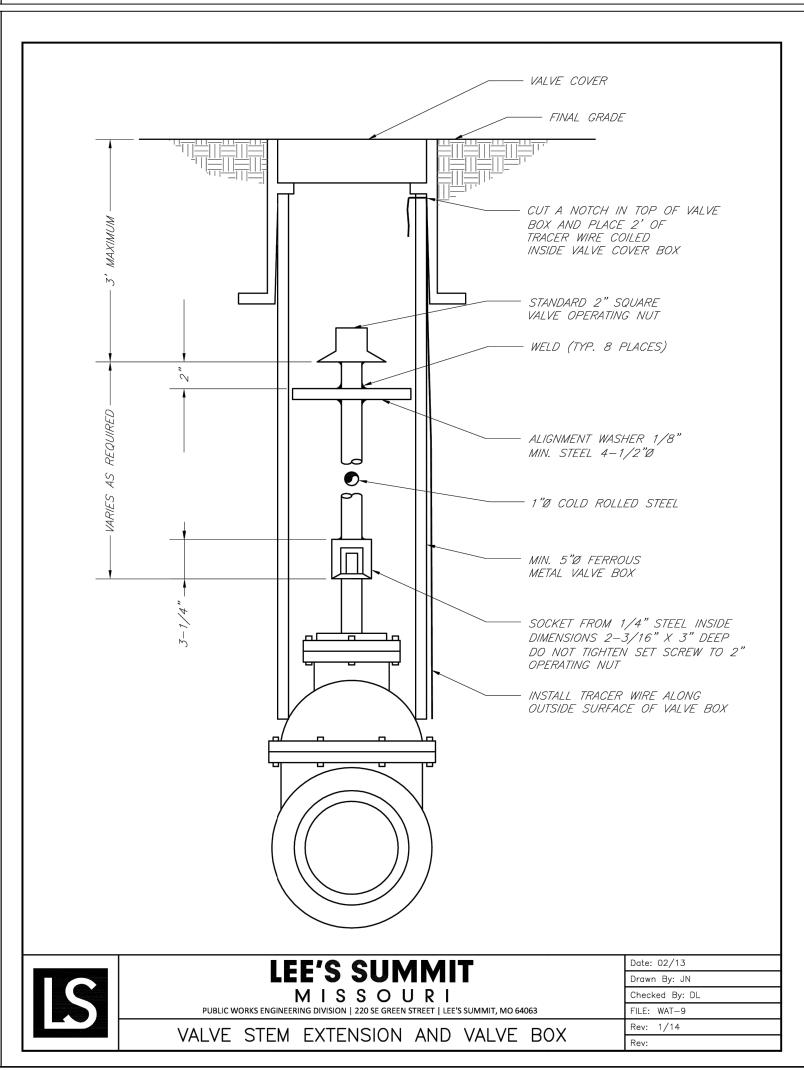
HYDRANT INSTALLATION - STRAIGHT SET

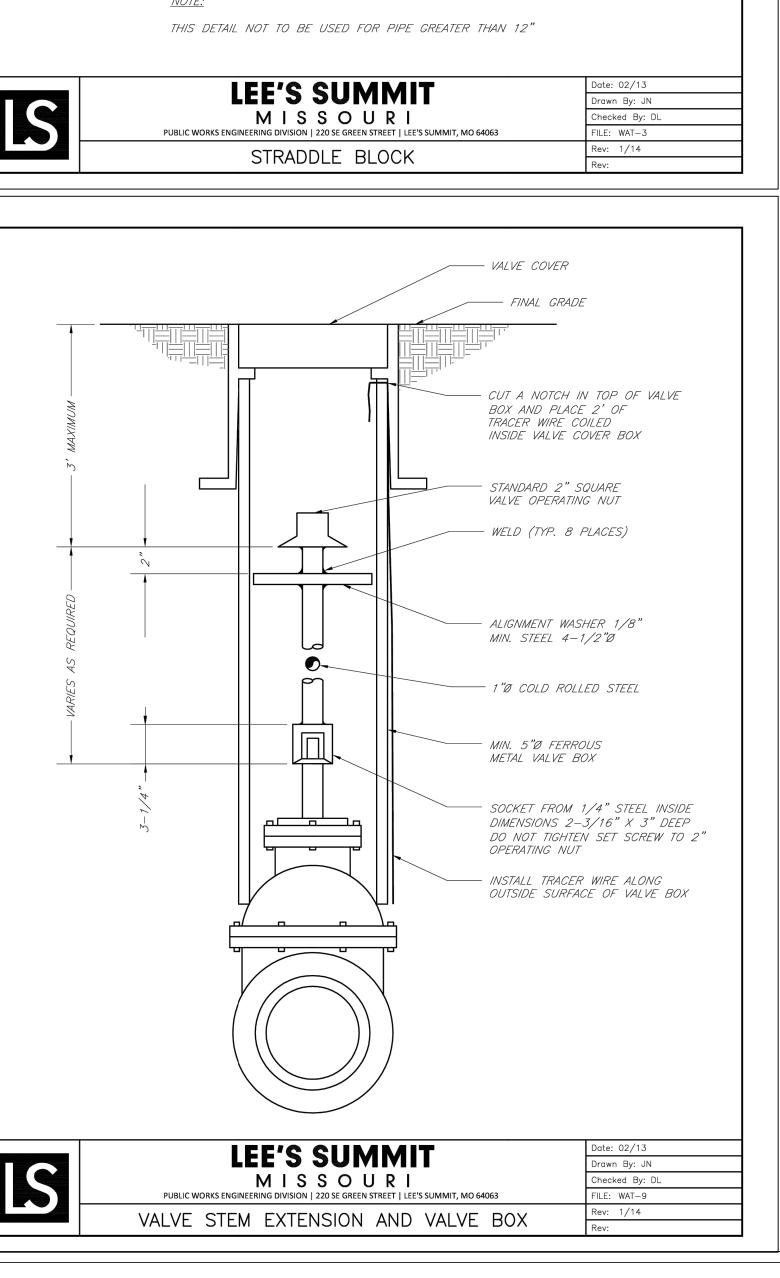
hecked By: Dl



HYDRANT WITH 90 DEGREE BEND

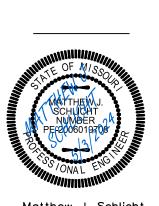
Rev: 1/14







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



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

C.503