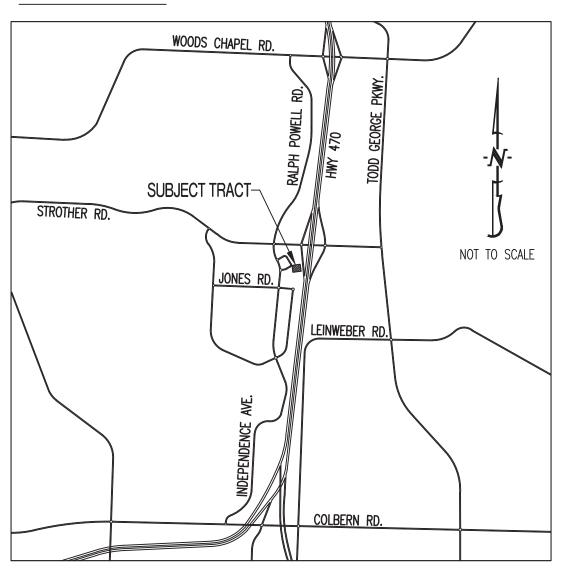
# PUBLIC WATER MAIN EXTENSION KANSAS CITY SURGICAL & DENTAL OFFICE

# **LOCATION MAP**



### PROJECT BENCHMARK

- NORTHWEST BOLT OF FIRE HYDRANT LOCATED APPROX. 143' NORTHWEST OF THE NORTHWEST CORNER OF LOT 4A, STROTHER CROSSING, PLAT NO. 1-A.

> N = 1019649.4102E = 2828361.3997TOP ELEVATION = 991.07

TBM #2 - CHISELED SQUARE AT SOUTHEAST CORNER OF TRANSFORMER PAD LOCATED APPROX. 100' NORTH OF THE SOUTHWEST CORNER OF LOT 4C, STROTHER CROSSING, PLAT NO. 1-A.

E = 2828173.5172

TOP ELEVATION = 980.62

COORDINATES IN NAD83 MISSOURI STATE PLANE, WEST ZONE

# FLOOD PLAIN STATEMENT:

NO PART OF THIS TRACT IS LOCATED WITHIN THE 100-YEAR FLOODPLAIN AS PER THE FIRM MAP #29095C0430G, DATED JANUARY 20, 2017.

# LEGAL DESCRIPTION:

LOT 4A OF STROTHER CROSSING, PLAT NO. 1-A, A REPLAT OF LOT 4, STROTHER CROSSING - 1ST PLAT, LOTS 1 THRU 4, LOCATED IN SECTION 20, TOWNSHIP 48, RANGE 31, LEE'S SUMMIT, JACKSON COUNTY, MISSOURI.

WATER:

CITY OF LEE'S SUMMIT

220 SE GREEN STREET

816-969-1900

LEE'S SUMMIT, MO 64063

SANITARY SEWER:

DEPARTMENT OF PUBLIC WORKS

CITY OF LEE'S SUMMIT

220 SE GREEN STREET LEE'S SUMMIT, MO 64063

130 SE HAMBLEN ROAD

LEE'S SUMMIT, MO

816-347-4320

816-969-1900

**ELECTRIC:** 

KCP&L

DEPARTMENT OF PUBLIC WORKS

# **UTILITY COMPANIES:**

### LOCATES:

MISSOURI ONE CALL INC. 1022 B NORTHEAST DRIVE JEFFERSON CITY, MO 65109 1-800-344-7483

### TELEPHONE:

AT&T 215 N. SPRING INDEPENDENCE, MO 816-325-5610

# NATURAL GAS:

SPIRE ENERGY 3025 SE CLOVER DRIVE LEE'S SUMMIT, MO 64082 816-969-2266 CONTACT: BOBBIE SAULSBERRY

### CABLE TELEVISION:

TIME WARNER 6550 WINCHESTER AVENUE KANSAS CITY, MO 913-643-1901

ALL WATERLINE CONSTRUCTION (TRACER WIRE, TAPPING SLEEVE, VALVES, JOINTS, BENDS, THRUST BLOCKING, PIPE BEDDING, FIRE HYDRANTS, ECT.) SHALL CONFORM TO THE CITY OF LEE'S SUMMIT SPECIFICATIONS. ALL FITTING (TEES, BENDS, ECT.) SHALL BE DUCTILE IRON WITH EPOXY-COATING AS PER CITY SPECIFICATIONS. CONTRACTOR TO REFER TO SECTION 3900 - WATER MAINS, CITY OF LEE'S

^^^^^ ALL STREET & STORM CONSTRUCTION TO BE IN ACCORDANCE WITH "CITY OF LEE'S SUMMIT STREET AND STORM SEWER SPECIFICATIONS AND STANDARDS" (CURRENT EDITION).

ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH "THE CITY OF LEE'S SUMMIT STANDARD SANITARY SEWER SPECIFICATIONS. (CURRENT EDITION)

REFER TO CITY STANDARD DETAILS. CONTRACTOR TO HAVE A COPY OF THE CITY'S LATEST EDITION OF SPECIFICATIONS AND STANDARDS FOR ALL STREET, STORM, AND SANITARY CONSTRUCTION ON SITE AT ALL TIMES DURING CONSTRUCTION.

CONTRACTOR WILL BE RESPONSIBLE FOR PLACEMENT AND MAINTENANCE OF TRAFFIC CONTROL DEVICES NECESSARY TO COMPLETE THEIR PORTION OF WORK. THE DEVICES AND METHODS EMPLOYED WILL COMPLY WITH THE CURRENT VERSION OF THE MANUAL ON UNIFIED TRAFFIC CONTROL DEVICES.

THIS TRACT CONTAINS APPROXIMATELY 40,985 SQ.FT. (0.94 ACRES).

THIS TRACT IS ZONED CP-2 PLANNED COMMUNITY COMMERCIAL.

EXISTING UTILITIES SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL COORDINATE LOCATES (HORIZONTAL AND VERTICAL) PRIOR TO ANY EXCAVATION.

ALL EXCAVATION TO BE IN ACCORDANCE WITH SECTIONS 319.010-319.050, REVISED STATUTES OF THE STATE OF MISSOURI. SUCH COMPLIANCE SHALL NOT, HOWEVER, EXCUSE ANY PERSON MAKING ANY EXCAVATION FROM DOING SO IN A CAREFUL AND PRUDENT MANNER, NOR SHALL IT EXCUSE SUCH PERSON FROM LIABILITY FOR ANY DAMAGE OR INJURY TO UNDERGROUND UTILITIES RESULTING FROM THE EXCAVATION.

A GEOTECHNICAL EVALUATION OF THE SUBSURFACE SOIL, GROUNDWATER CONDITIONS, AND A SLOPE STABILITY ANALYSIS HAS NOT BEEN PERFORMED BY THIS ENGINEER. THE OWNER SHALL SATISFY THEMSELVES OF ALL GEOTECHNICAL CONDITIONS PRIOR TO ANY

ALL LAND DISTURBANCE ACTIVITIES SHALL BE IN ACCORDANCE WITH CITY OF LEE'S SUMMIT CODE OF ORDINANCES.

ANY FILL PLACEMENT WITHIN STREET RIGHT-OF-WAY SHALL BE INSPECTED BY THE CITY OF LEE'S SUMMIT.

REFER TO STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR NARRATIVE REPORT AND BMP DESCRIPTIONS AND DETAILS.

ALL SLOPES ARE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.

IT IS THE INTENT OF THESE PLANS TO COMPLY WITH THE REQUIREMENTS OF THE MoDNR CLEAN WATER COMMISSION.

ALL DISTURBED AREAS WITHIN THE "LIMITS OF DISTURBANCE" SHALL BE FINE GRADED. SEEDED. AND MULCHED.

THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL EROSION CONTROL DEVICES AND REMOVING THEM ONCE THE SITE IS STABILIZED.

ALL SERVICE LATERALS SHALL BE INSTALLED AS PER CITY OF LEE'S SUMMIT REQUIREMENTS AT 2.0% (MIN.) GRADE.

ALL EXCAVATION WITHIN THE STREET RIGHT-OF-WAY SHALL BE BACKFILLED PER CURRENT CITY OF LEE'S SUMMIT SPECIFICATIONS.

ALL SEWERLINES SHALL BE CONSTRUCTED AT LEAST 10 FEET HORIZONTALLY, EDGE TO EDGE, FROM ANY WATERLINE AND AT LEAST 24 INCHES VERTICALLY BETWEEN THE OUTSIDE LIMITS OF THE SANITARY SEWER AND WATERLINE. FOR CONDITIONS OTHER THAN THOSE IDENTIFIED ABOVE, CONTACT THE ENGINEER FOR SPECIFIC INSTRUCTIONS.

ALL STORM SEWER PIPE SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. REFER TO DETAIL FOR PIPE BEDDING REQUIREMENTS.

IN ORDER TO TERMINATE A STATE OPERATING PERMIT THE MISSOURI DEPARTMENT OF NATURAL RESOURCES (MDNR) REQUIRES THAT THE PERMITTEE SUBMIT A COMPLETED FORM H (INCLUDED WITH THE APPROVAL PERMIT) TO THE MDNR. A PERMIT IS ELIGIBLE FOR TERMINATION WHEN EITHER PERENNIAL VEGETATION, PAVEMENT, BUILDINGS, OR STRUCTURES USING PERMANENT MATERIALS COVER ALL AREAS THAT HAVE BEEN DISTURBED. VEGETATIVE COVER SHALL BE AT LEAST 70% OF FULLY ESTABLISHED PLANT DENSITY OVER 100% OF THE DISTURBED AREA. A COPY OF FORM H SHOULD BE SUBMITTED TO THE CITY AT WHICH TIME THE CITY WILL REMOVE THE PROJECT FROM ITS INSPECTION SCHEDULE.

LAND DISTURBANCE SITES SHOULD BE INSPECTED ON A REGULAR SCHEDULE AND WITHIN A REASONABLE TIME PERIOD (NOT TO EXCEED 48 HOURS) FOLLOWING HEAVY RAINS. REGULARLY SCHEDULED INSPECTIONS SHALL BE AT A MINIMUM OF ONCE PER WEEK. ANY DEFICIENCIES SHALL BE NOTED IN A WEEKLY REPORT OF THE INSPECTION AND CORRECTED WITHIN SEVEN CALENDAR DAYS OF THE REPORT. CONTRACTORS ARE REQUIRED TO SUBMIT TO CITY INSPECTION STAFF COPIES OF THEIR INSPECTION REPORTS REQUIRED BY THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) ON A MONTHLY BASIS.

NO OIL AND GAS WELLS EXIST ON THIS TRACT ACCORDING TO THE MISSOURI DEPARTMENT OF NATURAL RESOURCES OIL AND GAS PERMIT DATABASE. ALSO, NO PHYSICAL EVIDENCE EXIST THAT AN OIL AND/OR GAS WELL IS PRESENT ON THIS TRACT.

TOTAL DISTURBED AREA ON SITE = 1.80 AC.

	REVISION KEY			£	<del></del>	5					
F	REV#	DATE	COMMENTS	COVER	CE1	Œ					
		08/08/2019	ORIGINAL SUBMITTAL	Х	Х	Х					
	$\triangle$	09/04/2019	CITY COMMENTS	Х	Х	Х					
	2	09/17/2019	CITY COMMENTS	Х	Х	Х					

# SHEET INDEX:

CE1-SITE / UTILITY PLAN & WATER LINE A PROFILE

CE 2 - WATER LINE DETAILS

# LEGEND OF SYMBOLS:

	EXISTING CURB	FF=XXX.X	MINIMUM FINISH FLOOR OF STRUCTURE				
	PROPOSED CURB	(XXX.XX TC)	PROPOSED TOP OF CURB ELEVATION				
	RIP RAP	(XXX.XX TP)	PROPOSED TOP OF PAVEMENT ELEVATION				
	EXISTING STRUCTURE	(XXX.XX FG)	PROPOSED FINISH GRADE ELEVATION				
~~~~~	EXISTING TREELINE	(XXX.XX TW)	PROPOSED TOP OF WALL				
~~~~	PROPOSED TREELINE	XX	LOT NUMBER				
000	EDGE OF WATERWAY						
— — W — —	EXISTING WATERLINE	$\langle \chi \rangle$	STORM SEWER STRUCTURE LABEL				
w	PROPOSED WATERLINE	V	SANITARY SEWER STRUCTURE LABEL				
—	EXISTING GAS LINE	(X)					
G	PROPOSED GAS LINE	H.P.	HIGH POINT				
UT	EXISTING UNDERGROUND TELEPHONE	L.P.	LOW POINT				
- $ -$ UTV $ -$	EXISTING UNDERGROUND CABLE TELEVISION	<del>_</del>	EXISTING SIGNS				
— — – HVE— — —	EXISTING HIGH VOLTAGE ELECTRIC	Ø	EXISTING POWER POLE				
—— OE ——	EXISTING OVERHEAD ELECTRIC	SV ⊠	EXISTING GAS VALVE				
— — — UE — — —	EXISTING UNDERGROUND ELECTRIC	$\bowtie$	EXISTING WATER VALVE				
——— OETV ———	EXISTING OVERHEAD ELEC. & TV	©	EXISTING WATER VALVE  EXISTING GAS METER				
— — OETVT — —	EXISTING OVERHEAD ELEC., TV & TELE.	_	EXISTING WATER METER				
—— s ——	EXISTING SANITARY SEWER	Ø.	EXISTING WATER METER  EXISTING FIRE HYDRANT				
s	PROPOSED SANITARY SEWER						
XXX	EXISTING MINOR CONTOUR	©	MANHOLE  EVICTING CANITARY SERVED LATERAL				
	EXISTING MAJOR CONTOUR		EXISTING SANITARY SEWER LATERAL				
XXX	PROPOSED MINOR CONTOUR	<b>—</b>	PROPOSED SANITARY SEWER LATERAL				
XXX	PROPOSED MAJOR CONTOUR	<b>®</b>	PROPOSED TRACER WIRE TEST STATION BOX				
	100 YEAR FLOOD PLAIN	AC	EXISTING AIR CONDITIONER				
<del></del>	FLOODWAY		EXISTING TELEPHONE PEDESTAL				
· · ·	ORDINARY HIGH WATER MARK	ET	EXISTING ELECTRICAL TRANSFORMER				
· · ·	STREAM SIDE BUFFER	E	EXISTING ELECTRIC METER				
	OUTER STREAM BUFFER	¤	EXISTING LIGHT POLE				
		_					

EXISTING GUY WIRE

# OWNER/DEVELOPER

KANSAS CITY SURGICAL AND DENTAL, LLC GREGORY LOHR DDS MD (816) 806-6242

# PREPARED BY:

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

> TIMOTHY D. CROCKETT MO LICENSE - 2004000775

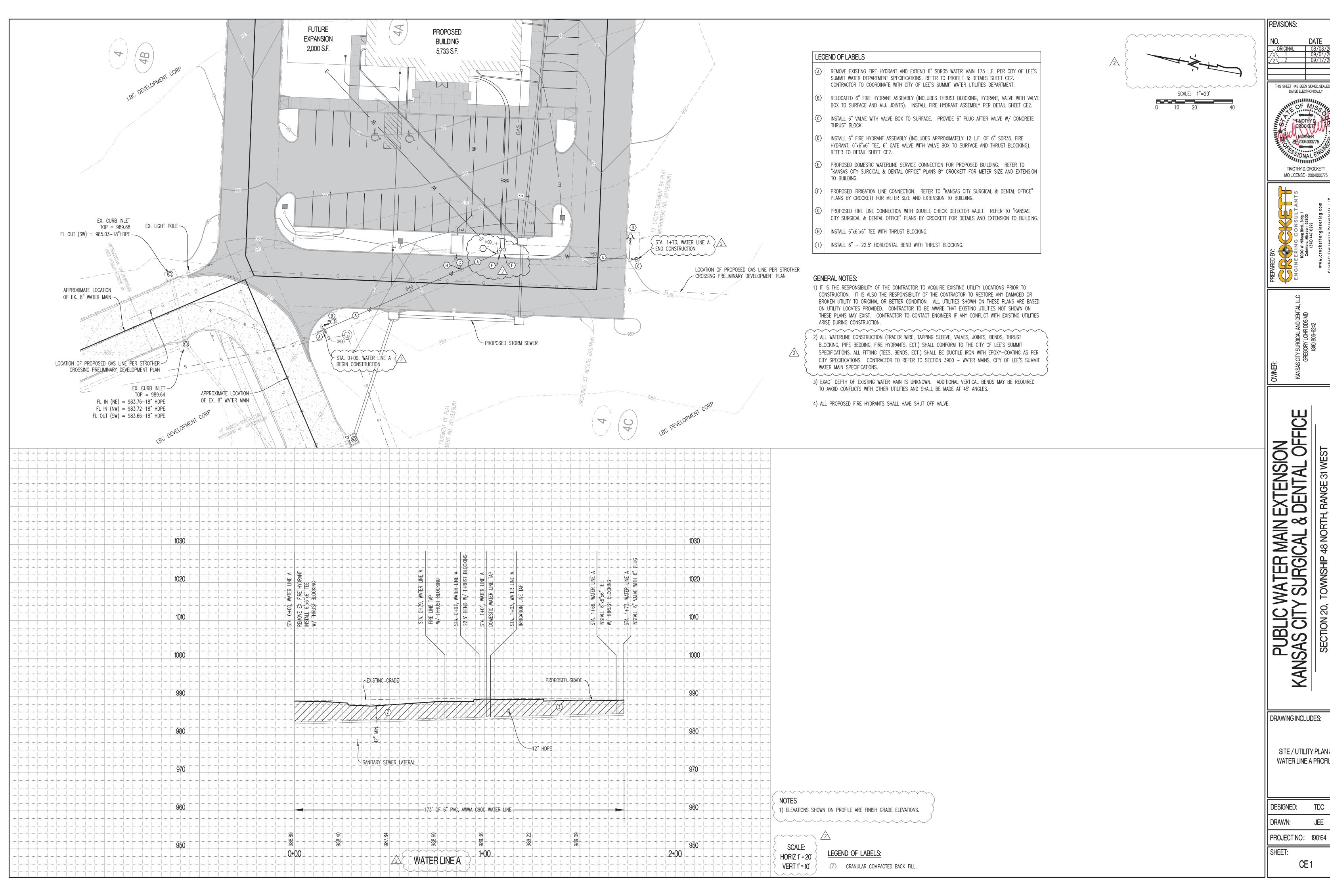
### PREPARED BY:

**ENGINEERING CONSULTANTS** 1000 W. Nifong Blvd., Bldg. Columbia, Missouri 65203

(573) 447-0292

www.crockettengineering.com

Crockett Engineering Consultants, LLC Missouri Certificate of Authority #2000151301



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY TIMOTHY D. CROCKETT

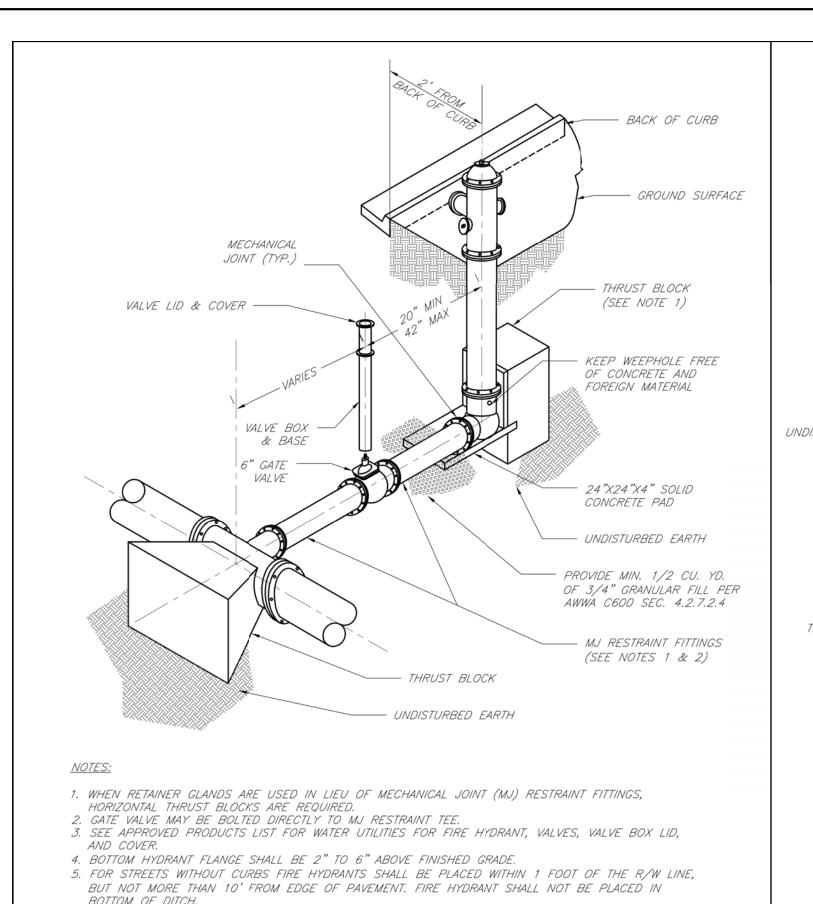
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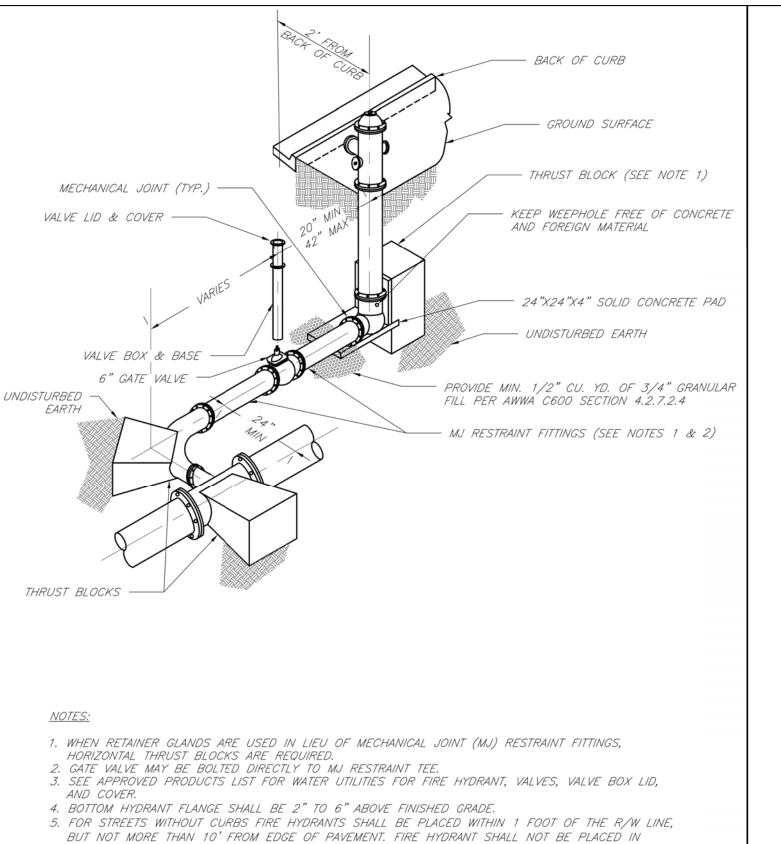
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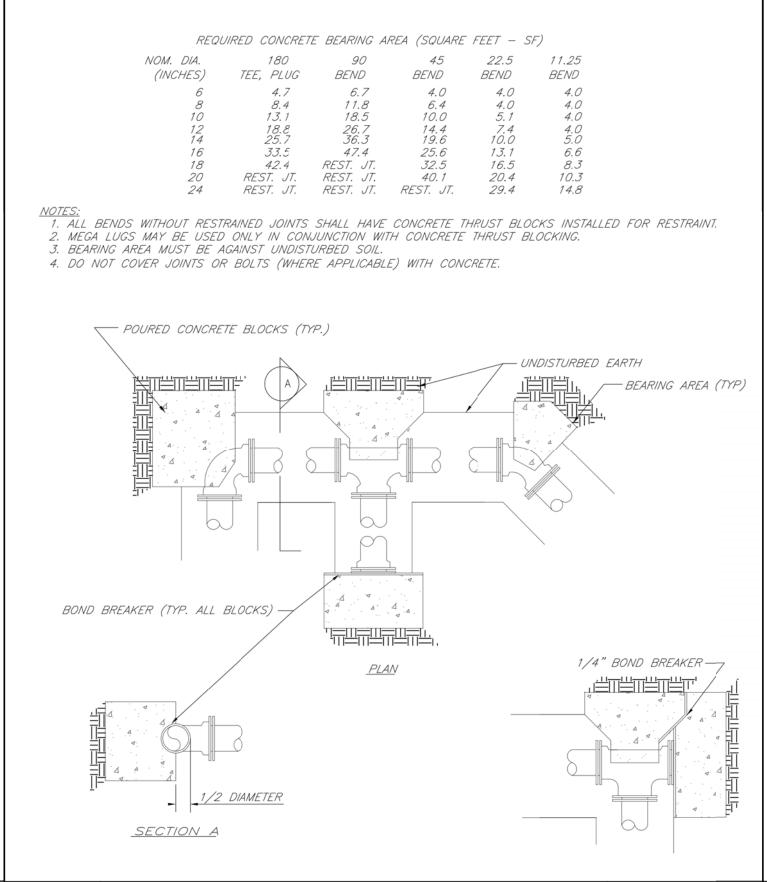
SITE / UTILITY PLAN & WATER LINE A PROFILE

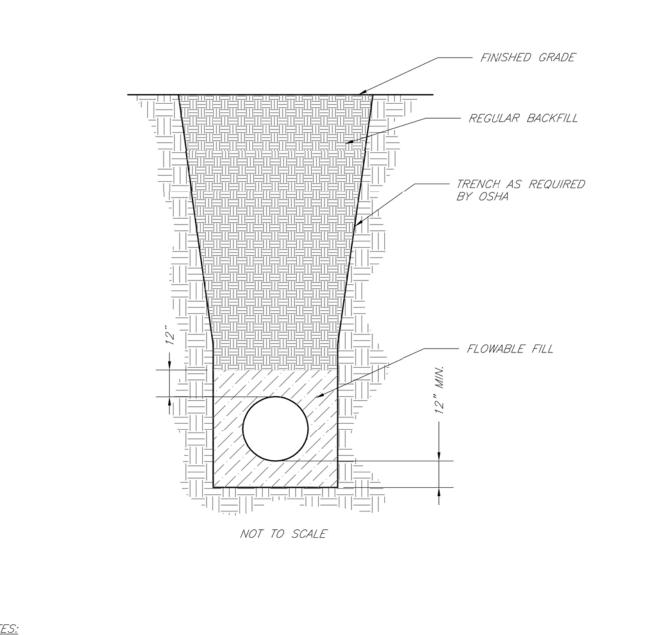
PROJECT NO.: 190164

CE 1









1. FLOWABLE FILL SHALL MEET THE REQUIREMENTS OF THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION

- 2. REGULAR BACKFILL ABOVE THE TRENCH CHECK SHALL BE FREE OF DEBRIS, ORGANIC MATTER, AND STONES > 6" IN ANY DIMENSION.
- 3. TOP OF FLOWABLE BACKFILL SHALL EXTEND 12" ABOVE THE TOP OF THE PIPE. 4. LENGTH OF TRENCH CHECK SHALL BE A MINIMUM OF 12".

**LEE'S SUMMIT** MISSOURI PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063 HYDRANT INSTALLATION - STRAIGHT SET

6. HYDRANT SHALL BE ROTATED AS DIRECTED BY INSPECTOR.

**LEE'S SUMMIT** MISSOURI PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063 HYDRANT WITH 90 DEGREE BEND

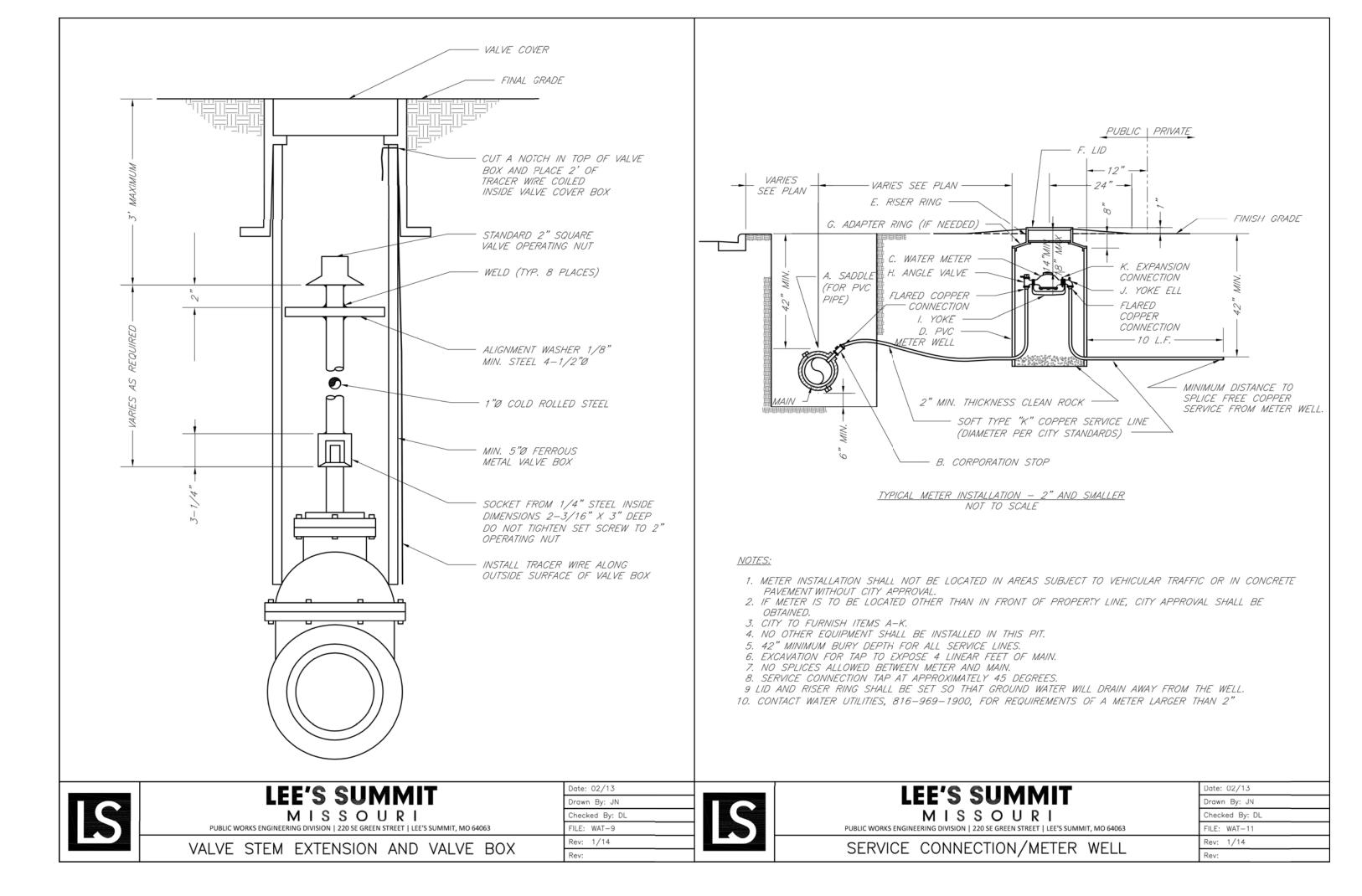
BOTTOM OF DITCH.

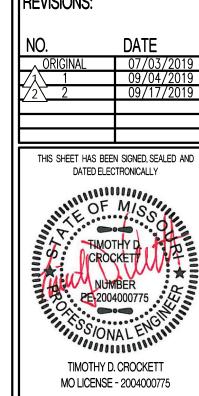
6. HYDRANT SHALL BE ROTATED AS DIRECTED BY INSPECTOR.

**LEE'S SUMMIT** MISSOURI ILE: WAT-1 Rev: 1/14 HORIZONTAL THRUST BLOCKS

**LEE'S SUMMIT** 

MISSOUR I
PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063 ecked By: DL E: WAT-6 TRENCH CHECK





PUBLIC WATER MAIN EXTENSION
SAS CITY SURGICAL & DENTAL OFFICE
SECTION 20, TOWNSHIP 48 NORTH, RANGE 31 WEST
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI WATER MAIN E PUBLIC Y KANSAS CITY

DRAWING INCLUDES:

WATER LINE DETAILS

DESIGNED: DRAWN: JEE PROJECT NO.: 190164

SHEET: