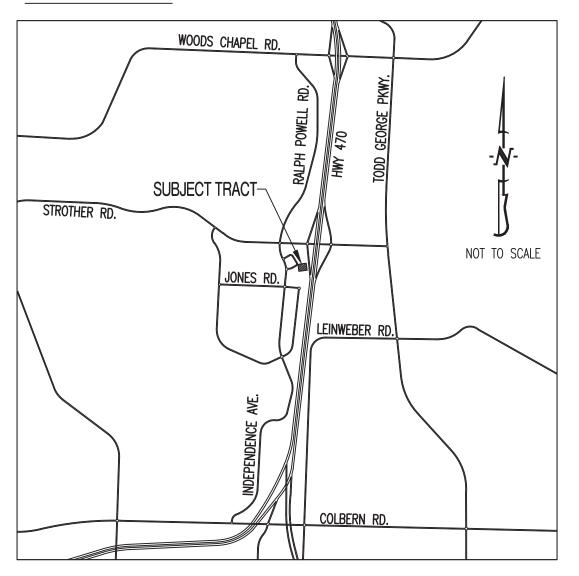
# PUBLIC WATER MAIN EXTENSION **KANSAS CITY SURGICAL & DENTAL OFFICE**

## 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 = 2828361.3997

TOP 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. N = 1019152.9635

#### E = 2828173.5172TOP 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.

## 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

# WATER:

CITY OF LEE'S SUMMIT DEPARTMENT OF PUBLIC WORKS 220 SE GREEN STREET LEE'S SUMMIT, MO 64063 816-969-1900

#### SANITARY SEWER:

CITY OF LEE'S SUMMIT DEPARTMENT OF PUBLIC WORKS 220 SE GREEN STREET LEE'S SUMMIT, MO 64063 816-969-1900

#### ELECTRIC

KCP&L 130 SE HAMBLEN ROAD LEE'S SUMMIT, MO 816-347-4320

#### <u>GENERAL NOTES</u>

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 SUMMIT WATER MAIN SPECIFICATIONS.

AND STANDARDS" (CURRENT EDITION).

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 CONSTRUCTION.

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

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

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.

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.

\_\_\_\_\_ ALL STREET & STORM CONSTRUCTION TO BE IN ACCORDANCE WITH "CITY OF LEE'S SUMMIT STREET AND STORM SEWER SPECIFICATIONS

ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH "THE CITY OF LEE'S SUMMIT STANDARD SANITARY SEWER

- 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.

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

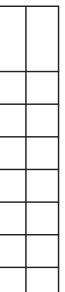
ALL STORM SEWER PIPE SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. REFER TO DETAIL FOR PIPE BEDDING

							-		-	_	_							
	REVISION KEY		E	-	2													
REV #	DATE	COMMENTS	COVER	8	18	0 S	0 S	8	IJ	GE	CE 1	CE 2	8					
	08/08/2019	ORIGINAL SUBMITTAL	X	X	Х													
1	09/04/2019	CITY COMMENTS	X	X	X													
2	09/17/2019	CITY COMMENTS	X	X	Х													

## SHEET INDEX:

CE1-SITE / UTILITY PLAN & WATER LINE A PROFILE CE 2 - WATER LINE DETAILS

	EXISTING CURB	FF=XXX.X	MINIMUM FINISH FLOOR
	PROPOSED CURB	(XXX.XX TC)	PROPOSED TOP OF CUR
	RIP RAP	(XXX.XX TP)	PROPOSED TOP OF PAV
	EXISTING STRUCTURE	(XXX.XX FG)	PROPOSED FINISH GRAD
	EXISTING TREELINE	(XXX.XX TW)	PROPOSED TOP OF WAL
$\sim$	PROPOSED TREELINE	XX	LOT NUMBER
000	EDGE OF WATERWAY	$\overline{\langle \mathbf{v} \rangle}$	
— — W — —	EXISTING WATERLINE	$\langle X \rangle$	STORM SEWER STRUCTU
W	PROPOSED WATERLINE		
G	EXISTING GAS LINE	$(\mathbf{X})$	SANITARY SEWER STRUC
G	PROPOSED GAS LINE	H.P.	HIGH POINT
— — — UT — — —	EXISTING UNDERGROUND TELEPHONE	L.P.	LOW POINT
— — — UTV — — —	EXISTING UNDERGROUND CABLE TELEVISION		EXISTING SIGNS
— — – HVE – — —	EXISTING HIGH VOLTAGE ELECTRIC	Ø	EXISTING SIGNS
OE	EXISTING OVERHEAD ELECTRIC		
— — — UE — — —	EXISTING UNDERGROUND ELECTRIC		EXISTING GAS VALVE
OETV	EXISTING OVERHEAD ELEC. & TV		EXISTING WATER VALVE
— — OETVT — —	EXISTING OVERHEAD ELEC., TV & TELE.	©	EXISTING GAS METER
—— s ——	EXISTING SANITARY SEWER	W	EXISTING WATER METER
S	PROPOSED SANITARY SEWER	X	EXISTING FIRE HYDRANT
·····XXX······	EXISTING MINOR CONTOUR	Ø	MANHOLE
— — —XXX— — —	EXISTING MAJOR CONTOUR		EXISTING SANITARY SEWI
XXX	PROPOSED MINOR CONTOUR	•	PROPOSED SANITARY SE
XXX	PROPOSED MAJOR CONTOUR	<b>(III)</b>	PROPOSED TRACER WIRI
	100 YEAR FLOOD PLAIN	AC	EXISTING AIR CONDITION
<u> </u>	FLOODWAY	Ī	EXISTING TELEPHONE PE
· ·	ORDINARY HIGH WATER MARK	ET	EXISTING ELECTRICAL TR
· · ·	STREAM SIDE BUFFER	Ε	EXISTING ELECTRIC MET
	OUTER STREAM BUFFER	X	EXISTING LIGHT POLE



#### **RECORD DRAWING**

THE INFORMATION PROVIDED ON THIS DRAWING CONFORMS TO CONSTRUCTION RECORDS: IT IS NOT INTENDED FOR CONSTRUCTION. IMPLEMENTATION OR RECORDING PURPOSES; AND IS SOLELY BASED ON INFORMATION PROVIDED BY EMERY SAPP AND SONS. INC. ALL DATA IS AS DESIGNED AND HAS NOT BEEN FIELD VERIFIED. DATE: 11/10/2022 CERTIFIED BY: TIM CROCKETT Juit D (utt TITLE: OWNER FIRM: CROCKETT ENGINEERING CONSULTANTS

MINIMUM FINISH FLOOR OF STRUCTURE PROPOSED TOP OF CURB ELEVATION PROPOSED TOP OF PAVEMENT ELEVATION PROPOSED FINISH GRADE ELEVATION PROPOSED TOP OF WALL

STORM SEWER STRUCTURE LABEL

SANITARY SEWER STRUCTURE LABEL

EXISTING SANITARY SEWER LATERAL PROPOSED SANITARY SEWER LATERAL PROPOSED TRACER WIRE TEST STATION BOX EXISTING AIR CONDITIONER EXISTING TELEPHONE PEDESTAL

EXISTING ELECTRICAL TRANSFORMER

EXISTING ELECTRIC METER

EXISTING GUY WIRE

 $\rightarrow$ 

## OWNER/DEVELOPER

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

## PREPARED BY:

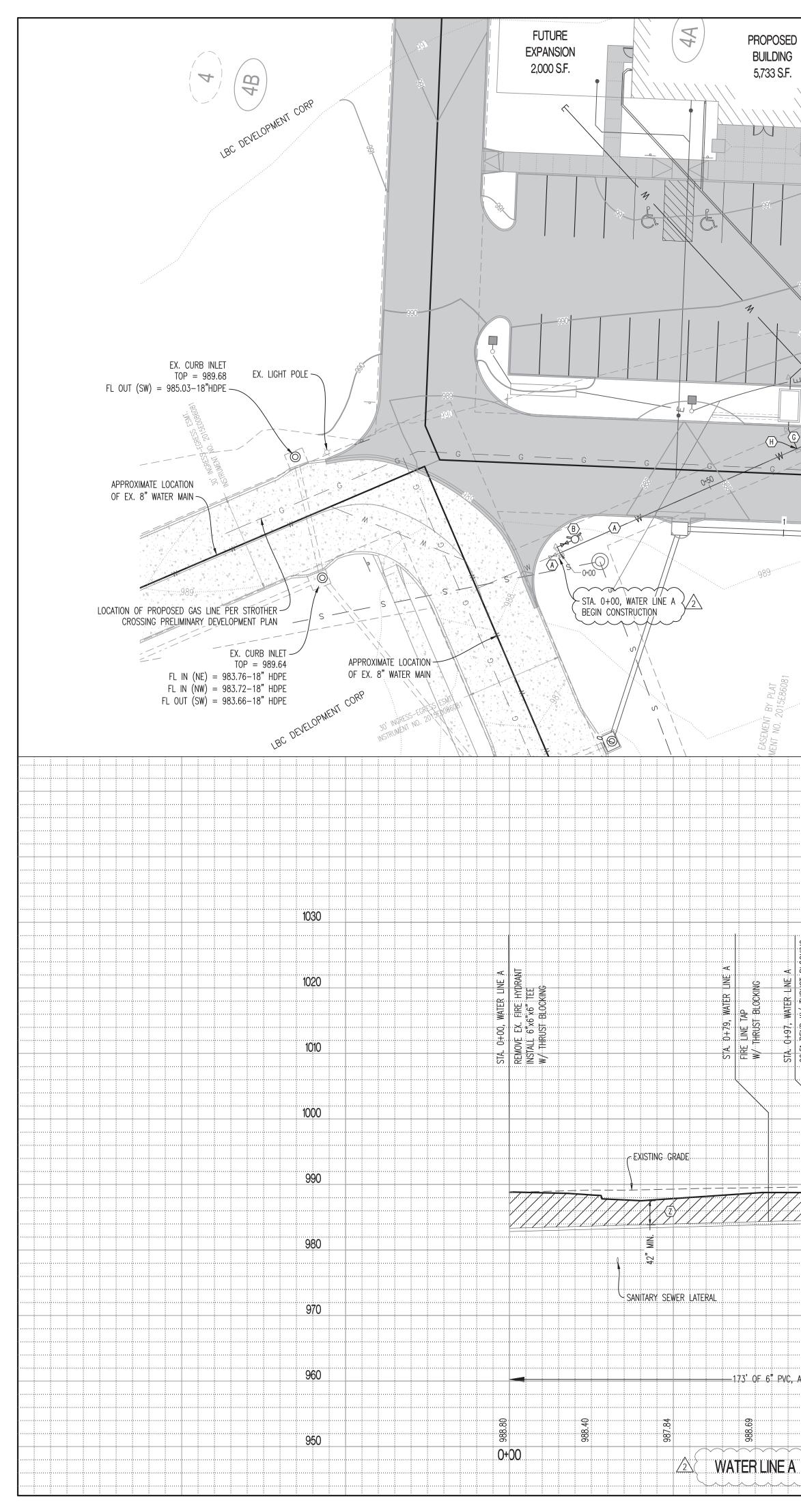


PREPARED BY:

**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



		St	LEGEND OF LABELS         ▲       REMOVE EXISTING FIRE HYDRANT AND EXTEND 6" SDF         SUMMIT WATER DEPARTMENT SPECIFICATIONS. REFER         CONTRACTOR TO COORDINATE WITH CITY OF LEE'S SU         ●       RELOCATED 6" FIRE HYDRANT ASSEMBLY (INCLUDES T         BOX TO SURFACE AND M.J. JOINTS). INSTALL FIRE H         C       INSTALL 6" VALVE WITH VALVE BOX TO SURFACE. PF         THRUST BLOCK.         ●       INSTALL 6" FIRE HYDRANT ASSEMBLY (INCLUDES APPF         HYDRANT, 6"x6"x6" TEE, 6" GATE VALVE WITH VALVE         REFER TO DETAIL SHEET CE2.
$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	STA. 1+7 END CONTENT NO. 2015E86081	3, WATER LINE A STRUCTION LOCATION OF PROPOSED GAS LINE P	
C C C C C C C C C C C C C C C C C C C	BRODOSED 30, ACCESS EASEMENT BRODOSED 30, ACCESS EASEMENT BRODOS	CROSSING PRELIMINARY DEVELOPMEN	<ul> <li>PLAN</li> <li>GENERAL NOTES:         <ol> <li>IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACQUIF CONSTRUCTION. IT IS ALSO THE RESPONSIBILITY OF THE C BROKEN UTILITY TO ORIGINAL OR BETTER CONDITION. ALL ON UTILITY LOCATES PROVIDED. CONTRACTOR TO BE AWAR THESE PLANS MAY EXIST. CONTRACTOR TO CONTACT ENGIN ARISE DURING CONSTRUCTION.</li> <li>ALL WATERLINE CONSTRUCTION (TRACER WIRE, TAPPING SLI BLOCKING, PIPE BEDDING, FIRE HYDRANTS, ECT.) SHALL CO SPECIFICATIONS. ALL FITTING (TEES, BENDS, ECT.) SHALL CO SPECIFICATIONS. ALL FITTING (TEES, BENDS, ECT.) SHALL B CITY SPECIFICATIONS. CONTRACTOR TO REFER TO SECTION WATER MAIN SPECIFICATIONS.</li> <li>EXACT DEPTH OF EXISTING WATER MAIN IS UNKNOWN. AD TO AVOID CONFLICTS WITH OTHER UTILITIES AND SHALL BE</li> <li>ALL PROPOSED FIRE HYDRANTS SHALL HAVE SHUT OFF VA</li> </ol> </li> </ul>
22.5: BEND W/ THRUST BLOCKING STA. 1+01, WATER LINE A DOMESTIC :WATER LINE TAP STA. 1+03, WATER LINE A IRRIGATION LINE TAP	STA. 1+69, WATER LINE A INSTALL 6"X6" TEE W/ THRUST BLOCKING STA. 1+73, WATER LINE A STA. 1+73, WATER LINE A INSTALL 6" VALVE WITH 6" PLUG	1030       1030	
AWWA C900 WATER LINE		990 980 980 970 970 970 970 970 970 970 970 970 97	NOTES 1) ELEVATIONS SHOWN ON PROFILE ARE FINISH GRADE ELEVATIONS. 2 SCALE:
1+00	2+	00	HORIZ 1" = 20'       LEGEND OF LABELS:         VERT 1" = 10' <z>         GRANULAR COMPACTED BACK FILL.</z>

SDR35 WATER MAIN 173 L.F. PER CITY OF LEE'S ER TO PROFILE & DETAILS SHEET CE2. S SUMMIT WATER UTILITIES DEPARTMENT.

IS THRUST BLOCKING, HYDRANT, VALVE WITH VALVE RE HYDRANT ASSEMBLY PER DETAIL SHEET CE2. PROVIDE 6" PLUG AFTER VALVE W/ CONCRETE

APPROXIMATELY 12 L.F. OF 6" SDR35, FIRE LVE BOX TO SURFACE AND THRUST BLOCKING).

CTION FOR PROPOSED BUILDING. REFER TO S BY CROCKETT FOR METER SIZE AND EXTENSION

TO "KANSAS CITY SURGICAL & DENTAL OFFICE" ISION TO BUILDING.

CHECK DETECTOR VAULT. REFER TO "KANSAS CKETT FOR DETAILS AND EXTENSION TO BUILDING.

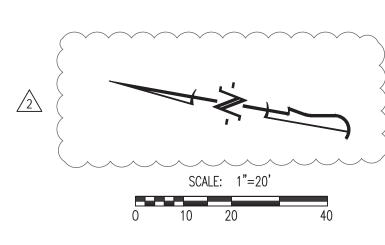
UST BLOCKING.

QUIRE EXISTING UTILITY LOCATIONS PRIOR TO HE CONTRACTOR TO RESTORE ANY DAMAGED OR ALL UTILITIES SHOWN ON THESE PLANS ARE BASED WARE THAT EXISTING UTILITIES NOT SHOWN ON ENGINEER IF ANY CONFLICT WITH EXISTING UTILITIES

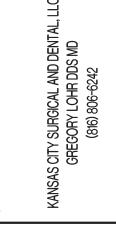
SLEEVE, VALVES, JOINTS, BENDS, THRUST CONFORM TO THE CITY OF LEE'S SUMMIT L BE DUCTILE IRON WITH EPOXY-COATING AS PER TION 3900 – WATER MAINS, CITY OF LEE'S SUMMIT

ADDITIONAL VERTICAL BENDS MAY BE REQUIRED BE MADE AT 45° ANGLES.

VALVE.



#### REVISIONS: NO. DATE ORIGINAL 08/08/2019 1 09/04/2019 2 09/17/2019 DATED ELECTRONICALLY THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY NUMBER E 2004000775 MISSONI (233) 441-0505 Commissioni (8200 Co





DRAWING INCLUDES:

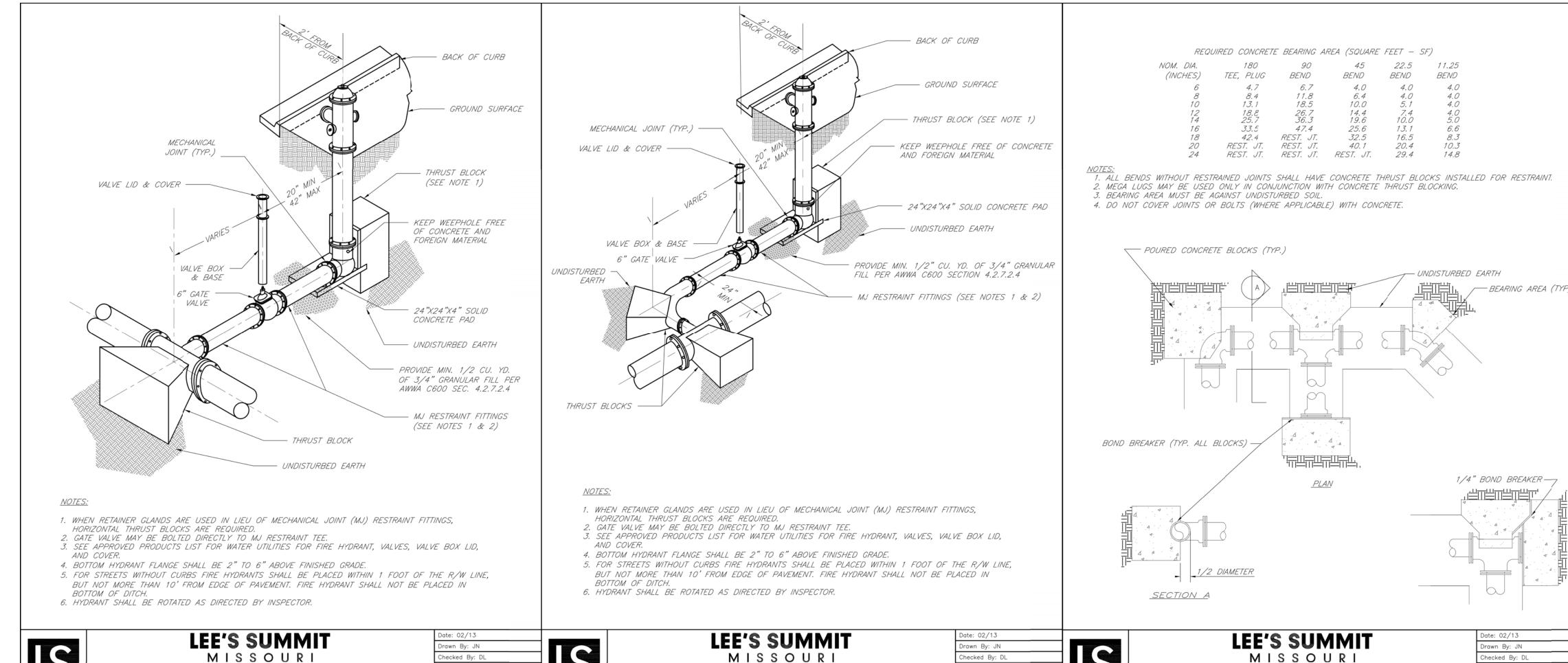
SITE / UTILITY PLAN & WATER LINE A PROFILE

DESIGNED:	TDC				
DRAWN:	JEE				
PROJECT NO .:	190164				
SHEET:					
CE 1					

#### **RECORD DRAWING**

THE INFORMATION PROVIDED ON THIS DRAWING CONFORMS TO CONSTRUCTION RECORDS; IT IS NOT INTENDED FOR CONSTRUCTION, IMPLEMENTATION OR RECORDING PURPOSES; AND IS SOLELY BASED ON INFORMATION PROVIDED BY EMERY SAPP AND SONS, INC. ALL DATA IS AS DESIGNED AND HAS NOT BEEN FIELD VERIFIED. DATE: 11/10/2022 CERTIFIED BY: TIM CROCKETT

FIRM: CROCKETT ENGINEERING CONSULTANTS



#### **RECORD DRAWING**

PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

HYDRANT INSTALLATION - STRAIGHT SET

THE INFORMATION PROVIDED ON THIS DRAWING CONFORMS TO CONSTRUCTION RECORDS; IT IS NOT INTENDED FOR CONSTRUCTION, IMPLEMENTATION OR RECORDING PURPOSES; AND IS SOLELY BASED ON INFORMATION PROVIDED BY EMERY SAPP AND SONS, INC. ALL DATA IS AS DESIGNED AND HAS NOT BEEN FIELD VERIFIED. DATE: 11/10/2022 CERTIFIED BY: TIM CROCKETT

Tautof D Cutts TITLE: OWNER

FILE: WAT-7

Rev: 1/14

FIRM: CROCKETT ENGINEERING CONSULTANTS

LEE'S SUMMIT	Date: 02/13	LEE'S SUMMIT	Date: 02/13
LEE 3 30 WINNIN	Drawn By: JN	LEE 3 30 IVIIVII I	Drawn By: JN
MISSOURI	Checked By: DL	MISSOURI	Checked By: DL
PUBLIC WORKS ENGINEERING DIVISION   220 SE GREEN STREET   LEE'S SUMMIT, MO 64063	FILE: WAT-8	PUBLIC WORKS ENGINEERING DIVISION   220 SE GREEN STREET   LEE'S SUMMIT, MO 64063	FILE: WAT-1
HYDRANT WITH 90 DEGREE BEND	Rev: 1/14	HORIZONTAL THRUST BLOCKS	Rev: 1/14
TITUTANI WITT 30 DEGREE DEND	Rev:	HURIZUNIAL IHRUSI BLUCKS	Rev:

