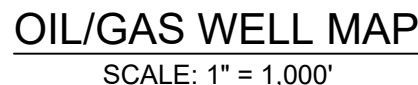
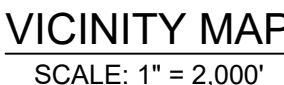


CITY OF LEE'S SUMMIT
CHASE BANK
HIGHWAY 291 & NE LANGSFORD
890 NE LANGSFORD ROAD
LEE'S SUMMIT, MO 64063
JACKSON COUNTY, MISSOURI



SHEET INDEX

OWNER / DEVELOPER: JP MORGAN CHASE
1111 POLARIS PARKWAY
COLUMBUS, OH 43240
CONTACT: MARGARET TROIA
10 S DEARBORN STREET, FLOOR 15
CHICAGO, IL 60603
312-732-7980

CIVIL ENGINEER: CORE STATES GROUP
3039 PREMIERE PARKWAY, SUITE 700
DULUTH, GA 30097
CONTACT: CHAD FAIRBANKS, P.E.
TEL: 314-270-5203

SURVEYOR: SWT DESIGN, INC.
772 BIG BEND BOULEVARD
ST. LOUIS, MO 63119
CONTACT: JAMES DEGENHARDT, P.L.S.
TEL: 314-644-5700

GOVERNING AGENCIES CONTACTS:

PLANNING AND ZONING: LEE'S SUMMIT DEVELOPMENT SERVICES
220 SE GREEN
LEE'S SUMMIT, MO 64063
TEL: 816-969-1238

BUILDING DEPARTMENT: LEE'S SUMMIT DEVELOPMENT SERVICES
220 SE GREEN
LEE'S SUMMIT, MO 64063
TEL: 816-969-1241

FIRE DEPARTMENT: LEE'S SUMMIT FIRE DEPARTMENT
9933 DIAMOND DRIVE
ST. LOUIS, MO 63137
CONTACT: ASSISTANT CHIEF JIM EDEN
TEL: 816-969-7407

TRANSPORTATION MISSOURI DEPARTMENT OF TRANSPORTATION
DEPARTMENT: 600 NE COLBERN ROAD
LEE'S SUMMIT, MO 64086
CONTACT: DEREK OLSON
TEL: 816-607-2107

TRANSPORTATION LEE'S SUMMIT PUBLIC WORKS DEPARTMENT
DEPARTMENT: 220 SE GREEN STREET
LEE'S SUMMIT, MO 64063
TEL: 816-969-1800

WATER/WASTEWATER: LEE'S SUMMIT WATER UTILITIES
1200 SE HAMBLER ROAD
LEE'S SUMMIT, MO 64081
TEL: 816-969-1900

STORMWATER STORMWATER (LEE'S SUMMIT PUBLIC WORKS DEPARTMENT)
220 SE GREEN STREET
LEE'S SUMMIT, MO 64063
TEL: 816-969-1800

ELECTRIC COMPANY:	SPIRE ENERGY 3025 SE CLOVER DRIVE LEE'S SUMMIT, MO 64082 TEL: 816-969-2200
GAS COMPANY:	CHARTER / SPECTRUM 188 NW OLDHAM PARKWAY LEE'S SUMMIT, MO 64081 TEL: 866-874-2389
TELEPHONE / INTERNET	WASTE MANAGEMENT 2404 S 88TH STREET KANSAS CITY, KS 66111 TEL: 866-570-4702
SOLID WASTE:	

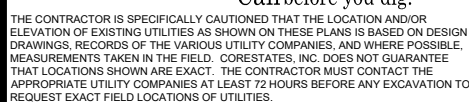
ELEVATIONS SHOWN ARE IN FEET ABOVE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D. 88) BASED ON MODOT VRS NETWORK. CONVERSION FROM NAVD 88 TO NGVD 29, NAVD 88 - 0.302' = NGVD 29.

THIS PROPERTY IS LOCATED IN AN AREA DETERMINED TO BE OUTSIDE THE 0.1% ANNUAL CHANCE FLOOD (100-YEAR) AS DETERMINED BY THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP FOR THE CITY OF LEE'S SUMMIT, MISSOURI, MAP NUMBER 29095C0436G EFFECTIVE DATE 01/20/2017.

1. THE SITE WORK FOR THE PROPOSED DEVELOPMENT SHALL MEET OR EXCEED ALL CITY AND/OR COUNTY AND STATE STANDARDS FOR SITE WORK.
2. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO PROJECT COMPLETION.

DOCUMENTS PREPARED BY CORESTATES, INC., INCLUDING THIS DOCUMENT, ARE TO BE USED ONLY FOR THE SPECIFIC PROJECT AND SPECIFIC USE FOR WHICH THEY WERE INTENDED. ANY EXTENSION OF USE TO ANY OTHER PROJECTS, BY OWNER OR BY ANY OTHER PARTY, WITHOUT THE EXPRESSED WRITTEN CONSENT OF CORESTATES, INC. IS DONE UNLAWFULLY AND AT THE USERS OWN RISK. IF USED IN A WAY OTHER THAN THAT SPECIFICALLY INTENDED, USER WILL HOLD CORESTATES, INC. HARMLESS FROM ALL CLAIMS AND LOSSES.

LEE'S SUMMIT
MISSOURI®

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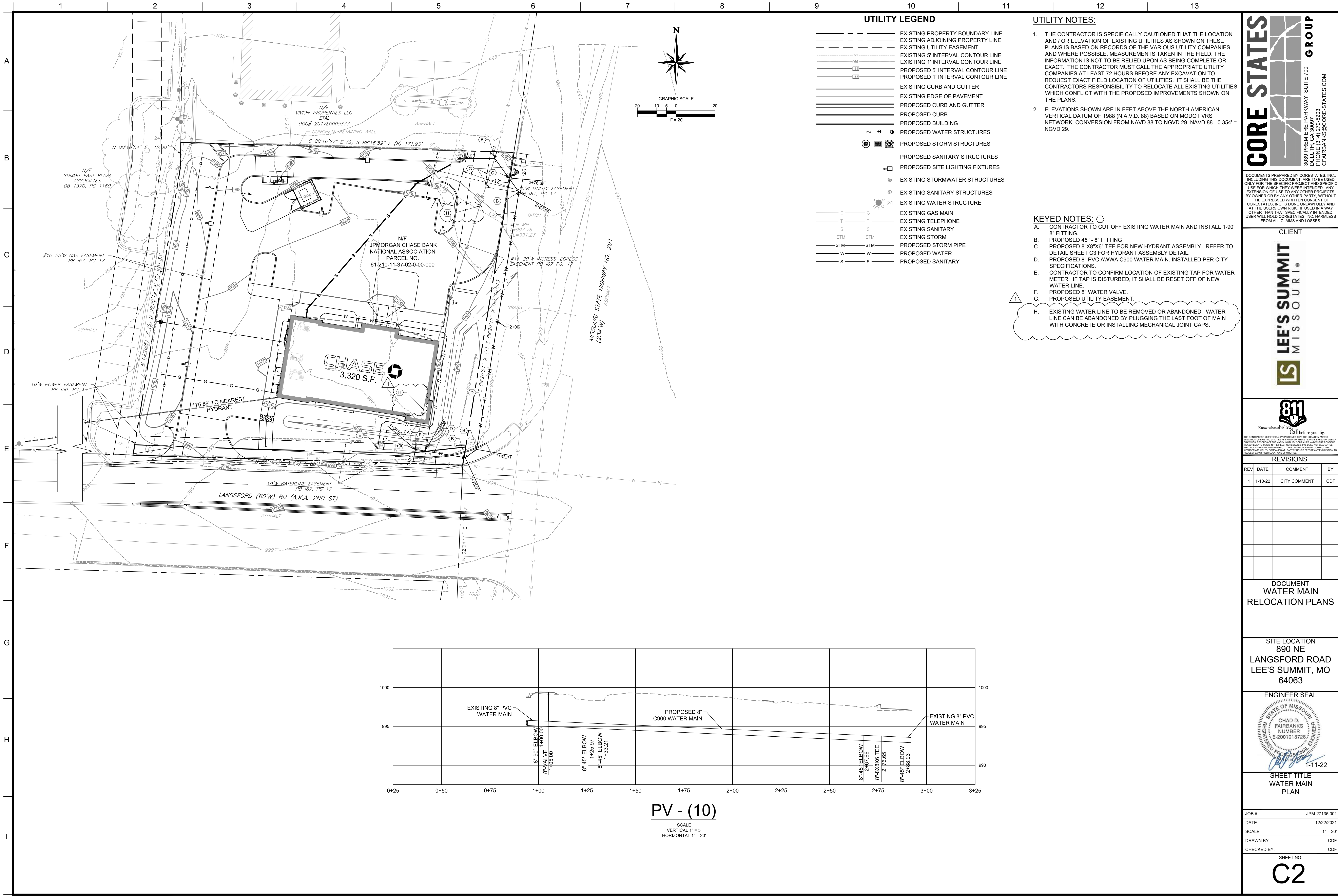
SITE LOCATION
890 NE
LANGSFORD ROAD
LEE'S SUMMIT, MO
64063

1-11-22

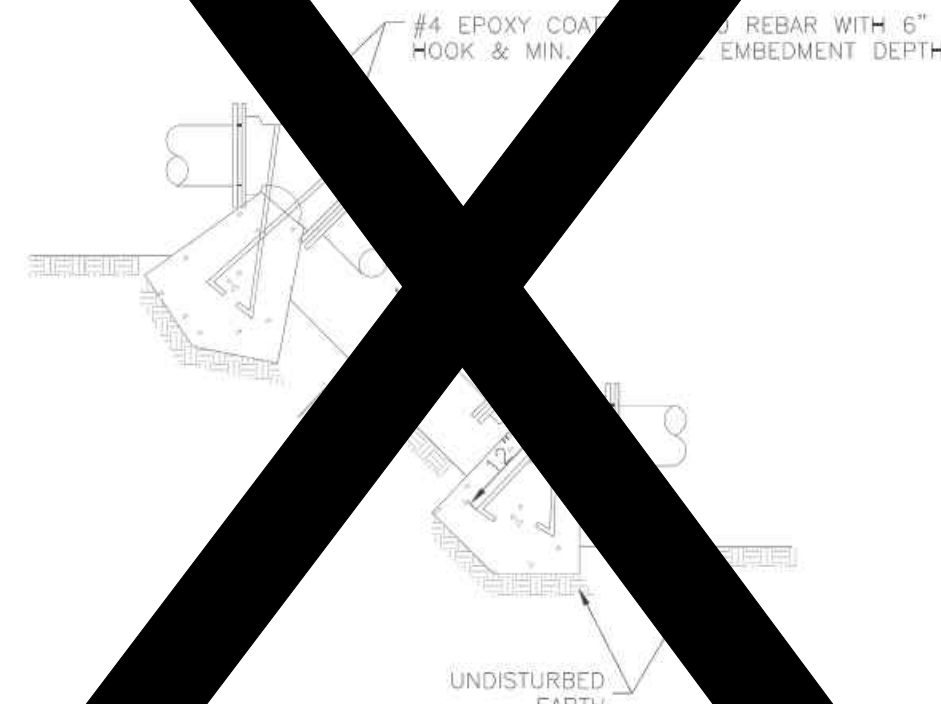
JOB #:	JPM-27135.001
DATE:	12/22/2021
SCALE:	AS NOTED
DRAWN BY:	CDF
CHECKED BY:	CDF

SHEET NC

C1



REQUIRED CONCRETE VOLUME (CUBIC FEET = CF)					
NO. DIA. (INCHES)	180 TEE, PLUG	90 BEND	45 BEND	22.5 BEND	11.25 BEND
6	50.5	71.4	38.6	19.7	9.9
	89.8	126.9	68.7	35.0	17.5
	140.2	198.3	107.3	54.7	27.4
	202.0	REST. JT.	154.6	78.8	39.4
	REST. JT.	REST. JT.	210.4	107.3	
	REST. JT.	REST. JT.	REST. JT.	140.1	
	REST. JT.	REST. JT.	REST. JT.	177.3	
	REST. JT.	REST. JT.	REST. JT.	REST. JT.	
24	REST. JT.	REST. JT.	REST. JT.	REST. JT.	9.4



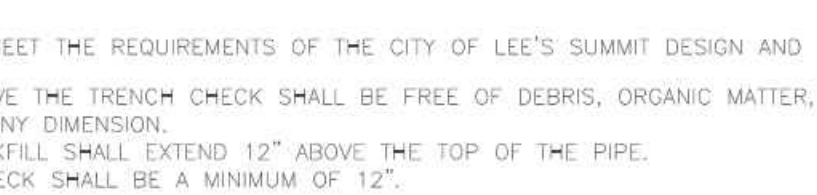
- NOTES:**
1. ALL REINFORCING BARS AND RESTRAINED JOINTS SHALL HAVE CONCRETE THRUST BLOCKS INSTALLED TO PREVENT SLIDING AND STRAINING.
 2. MEGALUGS SHALL BE USED ONLY IN CONJUNCTION WITH CONCRETE THRUST BLOCKING.
 3. BEAMS SHALL BE AGAINST UNDISTURBED SOIL.
 4. DOWEL BARS SHALL BE CAST INTO JOINTS OR BOLTS (WHERE APPLICABLE) WITH CONCRETE.



LEE'S SUMMIT
MISSOURI

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

WA



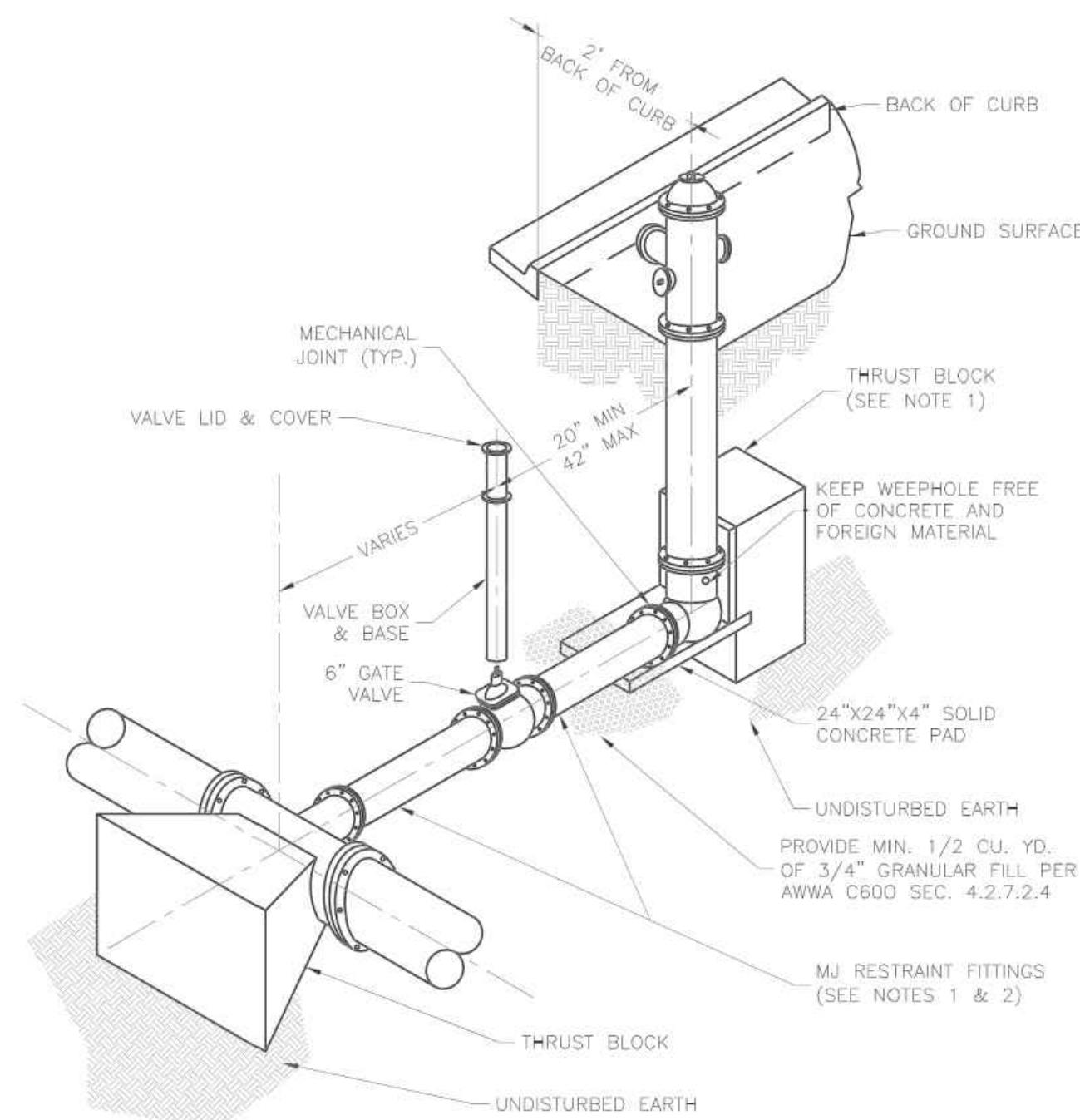
- NOTES:**
1. FLOWABLE FILL SHALL MEET THE REQUIREMENTS OF THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL.
 2. REGULAR BACKFILL ABOVE THE TRENCH CHECK SHALL BE FREE OF DEBRIS, ORGANIC MATTER, AND STONES > 6" IN ANY DIMENSION.
 3. TOP OF FLOWABLE BACKFILL SHALL EXTEND 12" ABOVE THE TOP OF THE PIPE.
 4. LENGTH OF TRENCH CHECK SHALL BE A MINIMUM OF 12'.



LEE'S SUMMIT
MISSOURI

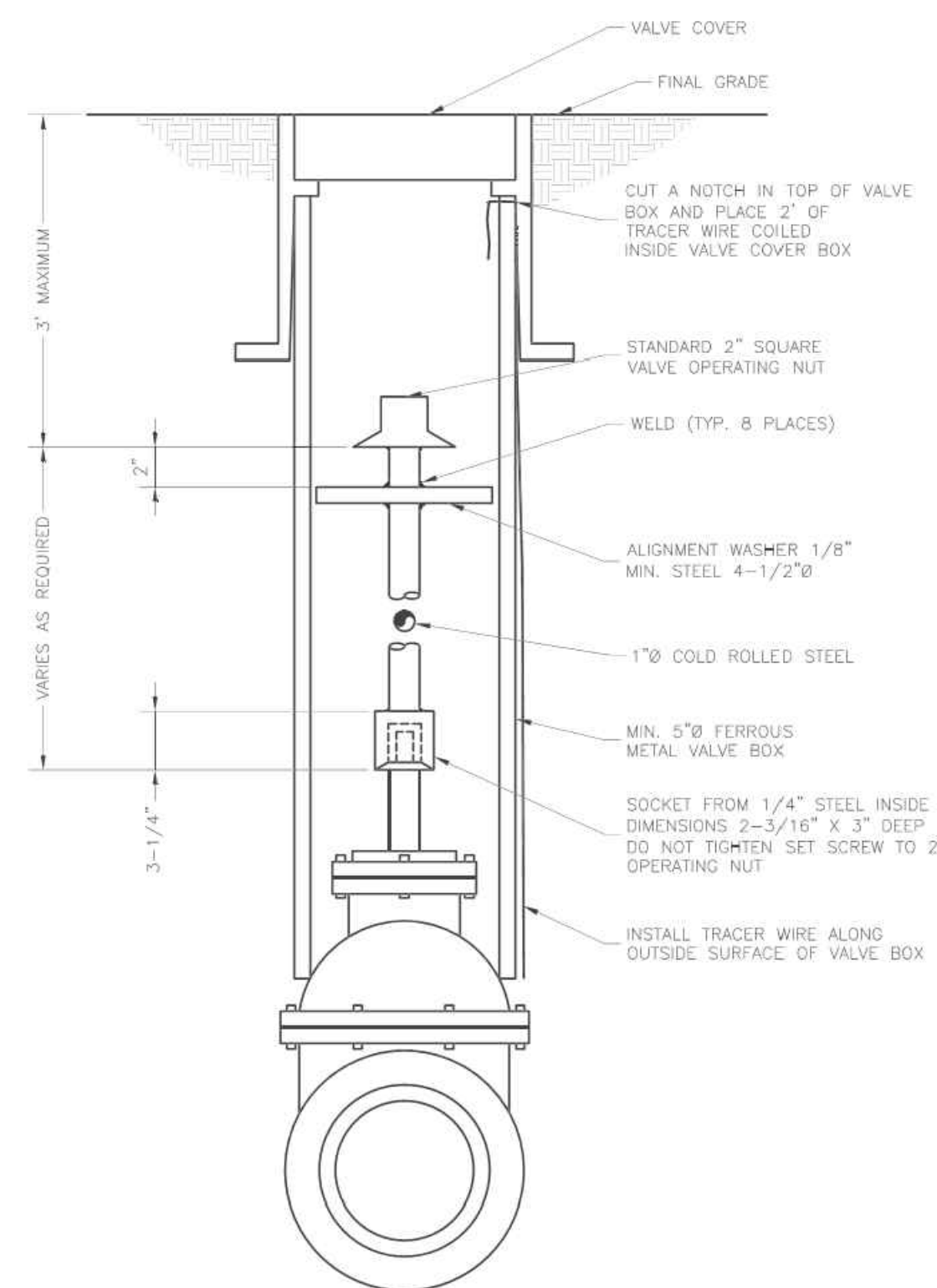
PUBLIC WORKS ENGINEERING DIVISION | 220 ST. GREEN STREET | LEE'S SUMMIT, MO 64063

WA



- NOTES:
1. WHEN RETAINER GLANDS ARE USED IN LIEU OF MECHANICAL JOINT (MJ) RESTRAINT FITTINGS, HORIZONTAL THRUST BLOCKS ARE REQUIRED.
 2. GATE VALVE MAY BE BOLTED DIRECTLY TO MJ RESTRAINT TEE.
 3. ALL APPROVED PRODUCTS LIST FOR WATER UTILITIES FOR FIRE HYDRANT, VALVES, VALVE BOX LID, AND COVER.
 4. BOTTOM HYDRANT FLANGE SHALL BE 2" TO 6" ABOVE FINISHED GRADE.
 5. FOR STREET WITHOUT CURBS FIRE HYDRANT SHALL BE PLACED WITHIN 1 FOOT OF THE R/W LINE, BUT NOT MORE THAN 10' FROM EDGE OF PAVEMENT. FIRE HYDRANT SHALL NOT BE PLACED IN BOTTOM OF DITCH.
 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	Date: 01/20/16 Drawn By: JN Checked By: DL
	VALVE STEM EXTENSION AND VALVE BOX	WAT-9

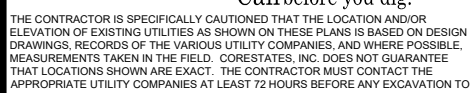


	LEE'S SUMMIT MISSOURI PUBLIC WORKS ENGINEERING DIVISION 220 SE GREEN STREET LEE'S SUMMIT, MO 64063	Date: 01/20/16 Drawn By: JN Checked By: DL
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LEE'S SUMMIT
MISSOURI®



DOCUMENT
WATER MAIN
RELOCATION PLANS

ENGINEER SEAL

STATE OF MISSOURI
 REGISTERED PROFESSIONAL ENGINEER & ARCHITECT
 CHAD D. FAIRBANKS
 NUMBER
 E-2001018729

1-11-22

JOB #:	JPM-27135.001
DATE:	12/22/2021
SCALE:	AS NOTED
DRAWN BY:	CDF
CHECKED BY:	CDF

C3