

 MCCLURE™
making lives better.

1700 Swift Street, Suite 100
North Kansas City, Missouri 64116
816-755-0444

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North Kansas City, Missouri 64116
816-756-0444

1. ALL WORKMANSHIP AND MATERIALS SHALL BE SUBJECT TO THE INSPECTION AND APPROVAL OF THE CITY OF LEES SUMMIT, MISSOURI.
2. LINEAL FOOT MEASUREMENTS SHOWN ON THE PLANS ARE HORIZONTAL MEASUREMENTS. VERTICAL MEASUREMENTS, IF ANY, SHALL BE MADE ON HORIZONTAL MEASUREMENTS.
3. THE UTILITY LOCATIONS SHOWN ON THESE PLANS ARE TAKEN FROM UTILITY RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR SHALL ADHERE TO THE PROVISIONS OF THE SENATE BILL, CHAPTER 100, SECTION 10.01, AS AMENDED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS. THE BILL REQUIRES THAT ANY PERSON OR FIRM DOING EXCAVATION ON PUBLIC RIGHT-OF-WAY DO SO ONLY AFTER GIVING NOTICE TO, AND OBTAINING INFORMATION FROM, UTILITY COMPANIES. STATE LAW REQUIRES 48 HOURS NOTICE TO ALL UTILITY COMPANIES WHOSE UTILITIES MAY BE AFFECTED. COMPANIES, EVEN IF ONLY REMOTELY INVOLVED WITH THIS PROJECT ARE AS FOLLOWS:

ELECTRIC	KANSAS CITY POWER & LIGHT CO.	888-474-5275
GAS	MISSOURI GAS ENERGY	816-756-5252
WATER	CITY OF LEE'S SUMMIT	816-969-1940
TELEPHONE AT&T		800-464-7928
SEWER	CITY OF LEE'S SUMMIT	816-969-1940
CABLE TV	TIME WARNER	816-358-8833
	COMCAST	816-833-3400

5. PRIOR TO ORDERING PREFABRICATED STRUCTURES, SHOP DRAWINGS SHALL BE PROVIDED BY "MISSOURI COAL SYSTEM, INC.", 1-800-DIG RITE PHONE NUMBER IS APPLICABLE ANYWHERE WITHIN THE STATE OF MISSOURI. PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL NOTIFY ALL THOSE AFFECTED BY THE FACILITIES IN THE NEAR VICINITY OF THE CONSTRUCTION TO BE PERFORMED.
6. THE CONTRACTOR SHALL PROTECT ALL MAJOR TREES FROM DAMAGE. NO TREE SHALL BE REMOVED WITHOUT PERMISSION OF THE OWNER, UNLESS SHOWN OTHERWISE.
7. ALL EXISTING AND CULDBARING OPERATIONS AND DISPOSAL OF ALL DEBRIS SHALL BE PERFORMED BY THE CONTRACTOR IN STRICT ACCORDANCE WITH ALL LOCAL CODES AND ORDINANCES.
8. ALL MANHOLES, CATCH BASINS, UTILITY VALVES AND METER PITS TO BE ADJUSTED TO GRADE AS REQUIRED. ALL EXISTING UTILITIES SHALL BE IDENTIFIED AS REQUIRED.
9. SITE EXCESSED AND UNSUITABLE MATERIAL SHALL BE DISPOSED OF AT A LOCATION OFF AS REQUIRED BY THE CONTRACTOR.
10. SUBGRADE SOIL FOR ALL CONCRETE STRUCTURES, REGARDLESS OF THE TYPE OR SIZE, SHALL BE FREE FROM ROCK, MUD, AND OTHER MATERIALS THAT SHOULD BE CONSOLIDATED. SHALL BE FREE FROM MUCK AND MUD; AND SHALL BE SUFFICIENTLY STABLE TO REMAIN FIRM AND INTACT UNDER THE FEET OF THE WORKMEN OR MACHINERY ENGAGED IN SUBGRADE SURFACING, LAYING AND CURING OF CONCRETE. WHERE THE SUBGRADE IS UNSTABLE, WHERE SUBGRADE IS MUCKY OR WORKS INTO MUD OR MUCK DURING SUCH OPERATION, A SEAL COURSE OF EITHER CONCRETE OR ROCK SHALL BE PLACED BELOW SUBGRADE TO PROVIDE A FIRM BASE FOR WORKING AND FOR PLACING THE FLOOR SLAB.
11. THE CONTRACTOR SHALL BE UNCLASHIFIED. NO SEPARATE PATENT SHALL BE MADE FOR ROCK EXCAVATION.

1. BY USE OF THESE PLANS THE CONTRACTOR AGREES THAT HE/SHE SHALL BE SOLELY RESPONSIBLE FOR THE SAFETY OF THE CONSTRUCTION WORKERS AND OF THE PUBLIC.
2. ALL CONSTRUCTION SHALL CONFORM TO THE SPECIFICATIONS SET FORTH BY THE KANSAS CITY CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION AND THE CITY OF LEE'S SUMMIT, MISSOURI, WHICH EVER IS MORE STRINGENT.
3. THE CONTRACTOR SHALL EMPLOY A MINIMUM OF TWO (2) PROFESSIONAL ENGINEERING INSPECTORS 48 HOURS PRIOR TO ANY LAND DISTURBANCE WORK AT (816)969-1200.

ALL WORK PERFORMED AND MATERIALS FURNISHED WITHIN PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF CITY OF LEE'S SUMMIT, MISSOURI. THE CONSTRUCTION AND MATERIALS FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE CURRENT SPECIFICATIONS OF THE "AMERICAN PUBLIC WORKS ASSOCIATION, KANSAS CITY METROPOLITAN CHAPTER" AND ARE HEREBY MADE THE SPECIFICATIONS FOR THIS SET OF PLANS BY REFERENCE AS THOUGH FULLY SET FORTH HEREIN.

BENCHMARK 1 ELEV.: 982.17
SET 5 PUNCH HOLES IN THE TOP OF A SOUTHWEST
FLANGE BOLT ON A FIRE HYDRANT IN THE SOUTHEAST
QUADRANT OF SOUTH RING ROAD AND DRIVE ENTRANCE
SOUTHWEST OF THE HELICOPTER PAD.

BENCHMARK 2 ELEV.: 983.85
SET 5 PUNCH HOLES IN THE TOP OF A SOUTHWEST
FLANGE BOLT ON A FIRE HYDRANT IN THE SOUTHEAST
QUADRANT OF SOUTH RING ROAD AND PARK LOT E TO
50± DUE SOUTH OF THE SOUTHWEST CORNER OF
MEDICAL OFFICE BUILDING.

THIS PROPERTY LIES WITHIN FLOOD ZONE X, DEFINED AS AREAS OF DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, AS SHOWN ON THE FLOOD INSURANCE RATE MAP, PREPARED BY THE FEDERAL EMERGENCY AGENCY'S NATIONAL FLOOD INSURANCE PROGRAM FOR LEE'S SUMMIT, JACKSON COUNTY, MISSOURI, MAP NUMBER 29095C0409G AND DATED JANUARY 20, 2017.



SCALE: 1" = 500'

ITEM DESCRIPTION	UNITS	QUANTITY
8" PVC PIPE (SDR-26)	L.F.	436
8" PVC ELBOW (CLASS III)	EACH	93
15" R.C.P. (CLASS III)	L.F.	108
30" R.C.P. (CLASS III)	L.F.	498
4"x4" CURB INLET	EACH	1
5"x5" CURB INLET	EACH	1
6"x5" CURB INLET	EACH	1
8"x5" CURB INLET	EACH	1
11"x13" CURB INLET	EACH	1
11"x13" CURB INLET CONVERTED TO JUNCTION BOX	EACH	1
STREET REPAIR & CURB REPLACEMENT	L.F.	48
8" PVC CSO PIPE	L.F.	300
CONNECTIONS TO EXISTING	EACH	2
8"x6" TEE	EACH	2
8"x6" ELBOW	EACH	2
6" GATE VALVE	EACH	5
8" GATE VALVE	EACH	2
45" HORIZONTAL BEND	EACH	5
11" HORIZONTAL BEND	EACH	0
6" HORIZONTAL BEND	EACH	1

ALL OF LOT 1, SAINT LUKES HOSPITAL OF LEE'S SUMMIT LOTS 1 & 2, A
SUBDIVISION OF LAND IN THE CITY OF LEE'S SUMMIT, JACKSON
COUNTY, MISSOURI.

McCLURE
1700 SWIFT STREET, SUITE 100
NORTH KANSAS CITY, MISSOURI 64116

1116
STATE OF MISSOURI
MATTHEW VAUGHN ERLIN
WALTER E. PROSSER
PC-2022000288
02/16/2022

DATE _____

MATT EBLEN
1700 SWIFT AVE, SUITE 100
NORTH KANSAS CITY, MO
913-307-2588
MEBLEN@MECRESULTS.COM

SAINT LUKE'S FLEX FACILITY EXPANSION PRIVATE
SANITARY SEWER, PRIVATE STORM SEWER &
PUBLIC WATER MAIN IMPROVEMENTS
LEES SUMMIT, MISSOURI

21190891-0006-DRAWINGS\DWG SITE UTILITIES\190891-000 COVER.DWG

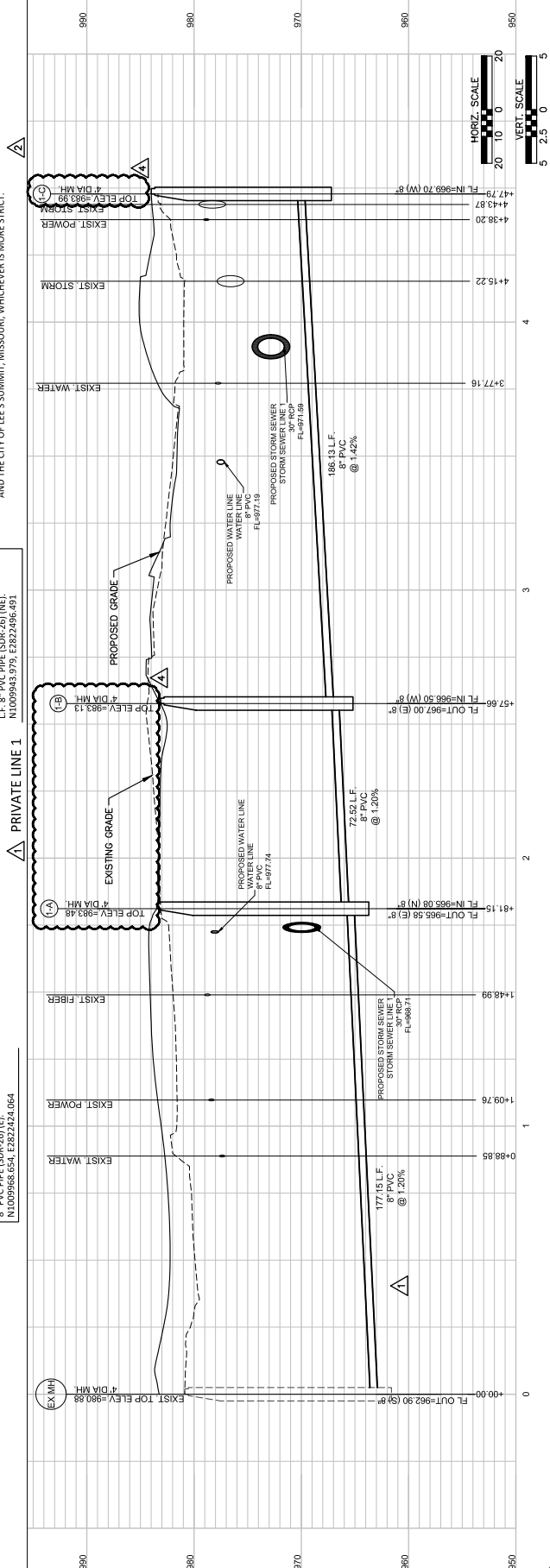
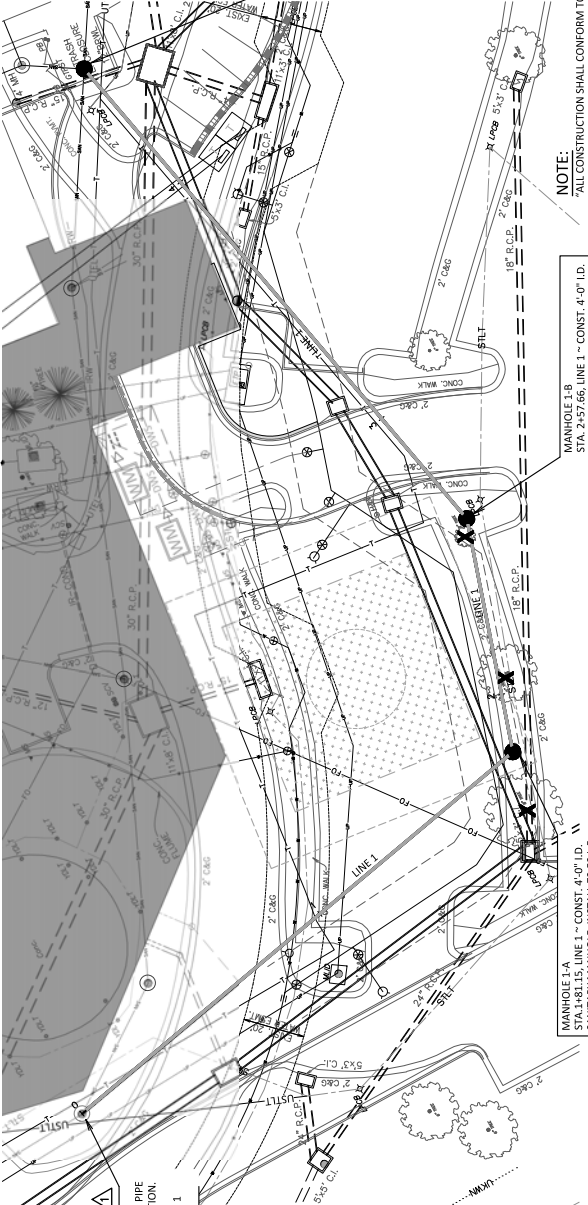
- LEGEND**
- CG CURB & GUTTER
 - ESMT EASEMENT
 - MS METAL SIGN
 - FO FIBER OPTIC
 - SNP REINFORCED CONCRETE PIPE
 - SNP WATER MAIN
 - WM WATER METER
 - DWS DOMESTIC WATER SERVICE
 - UTILE UNDERGROUND TELEPHONE
 - UPWR UNDERGROUND POWER
 - IRW IRRIGATION
 - IR-COND CONDUIT
 - EPB LIGHT POLE CONCRETE BASE
 - EPB EASEMENT
 - FPW FIRE PROTECTION WATER
 - UP TRANSFORMER
 - T HELIPAD BUILDING
 - X TREE TO BE REMOVED

MANHOLE 1-C
STA. 4447.79, LINE 1 ~ CONST. 4'-0" I.D.
SANITARY SEWER MANHOLE. INSTALL 18" R.C.P. 2' C&G.
SANITARY SEWER SERVICE LINE.
DISCONNECT AND ABANDON EXISTING
SANITARY SEWER TO THE WEST.
N1009978.252, E2822683.498

NOTE:
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MANHOLE 1-B
STA. 2457.66, LINE 1 ~ CONST. 4'-0" I.D.
SANITARY MANHOLE. INSTALL 18" R.C.P. 2' C&G.
L.F. 8" PVC PIPE (SDR-26) (NE).
N1009943.979, E2822496.491

MANHOLE 1-A
STA. 1481.15, LINE 1 ~ CONST. 4'-0" I.D.
SANITARY MANHOLE. INSTALL 72.52 L.F. 8" PVC PIPE (SDR-26) (E).
N1009986.654, E2822424.064





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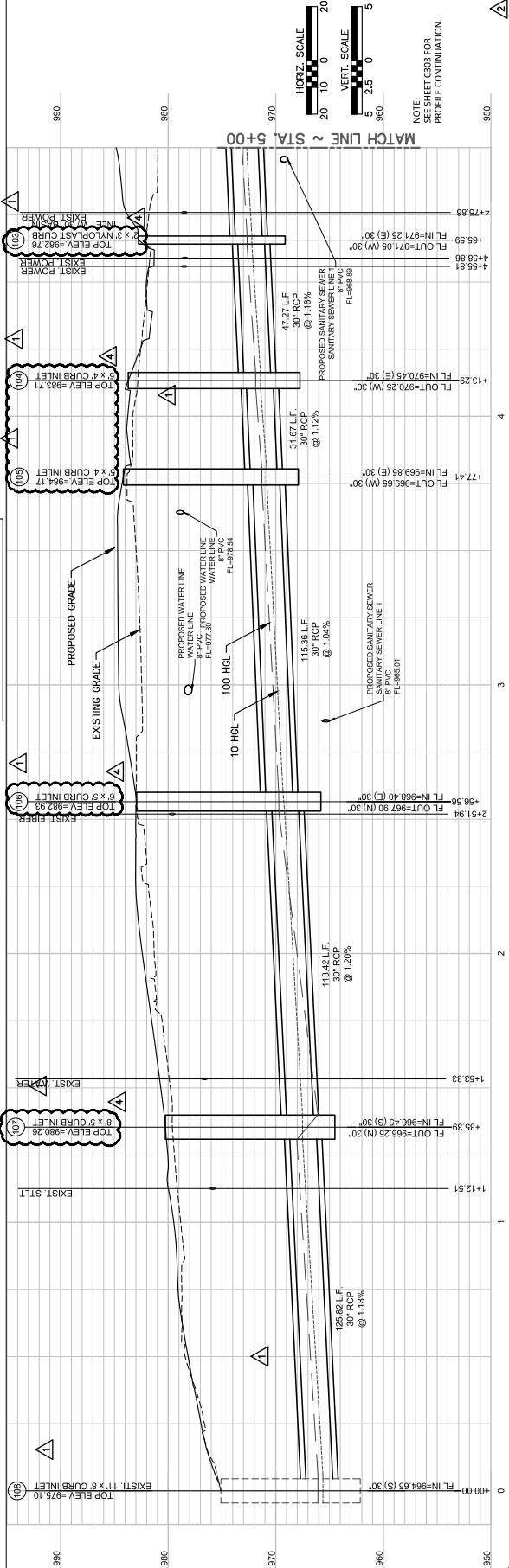
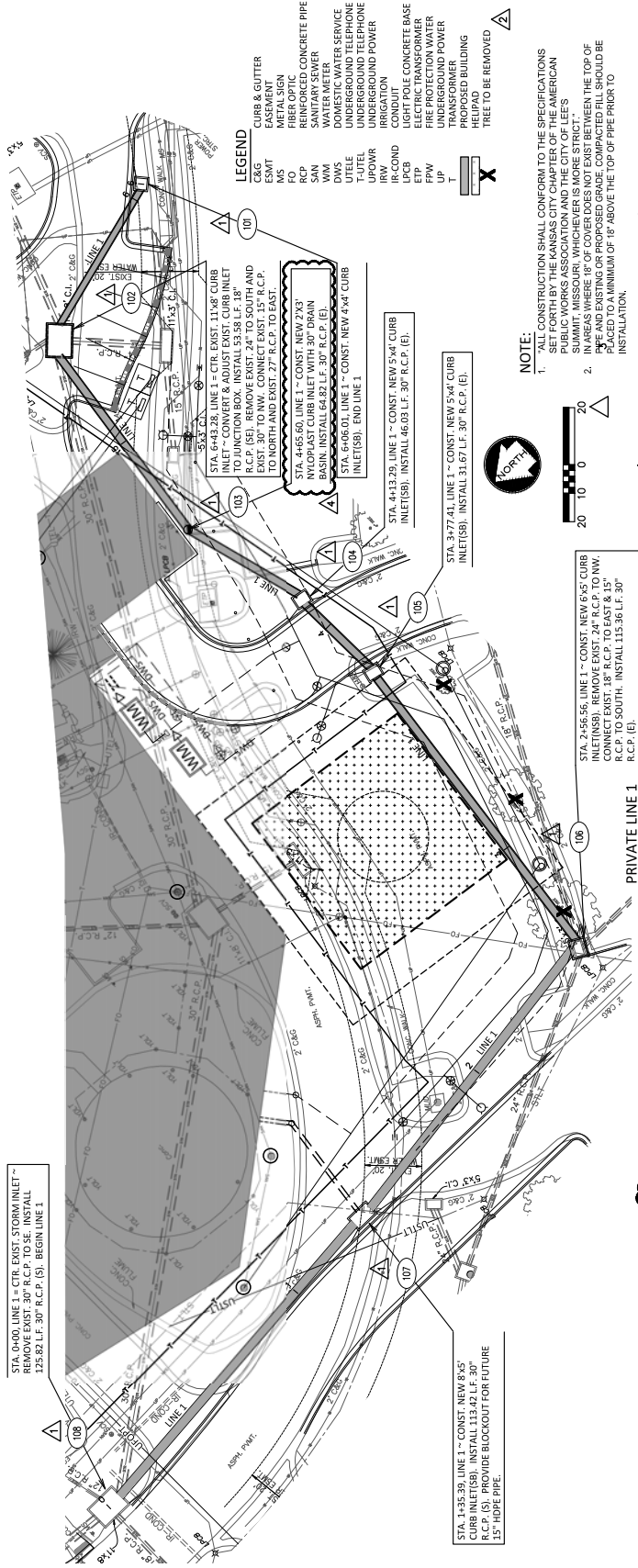
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816-756-0444

NOTES:
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SANITARY SEWER, PRIVATE STORM SEWER & PUBLIC WATER MAIN IMPROVEMENTS LEE'S SUMMIT, MISSOURI STORM SEWER PLAN & PROFILE (1)



DATE: 11.18.2019
REVISION:
PER CITY COMMENTS: 01-31-2020
PER CITY COMMENTS: 02-06-2020
PER OWNER: 02-18-2020
DESIGNED BY: KJ
CHECKED BY: KJ
INCHES PROJECT NO.: 190891.000
SHEET NO.: C302





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1700 Swift Street, Suite 100
North St. Louis, Missouri 63103
816-726-0444

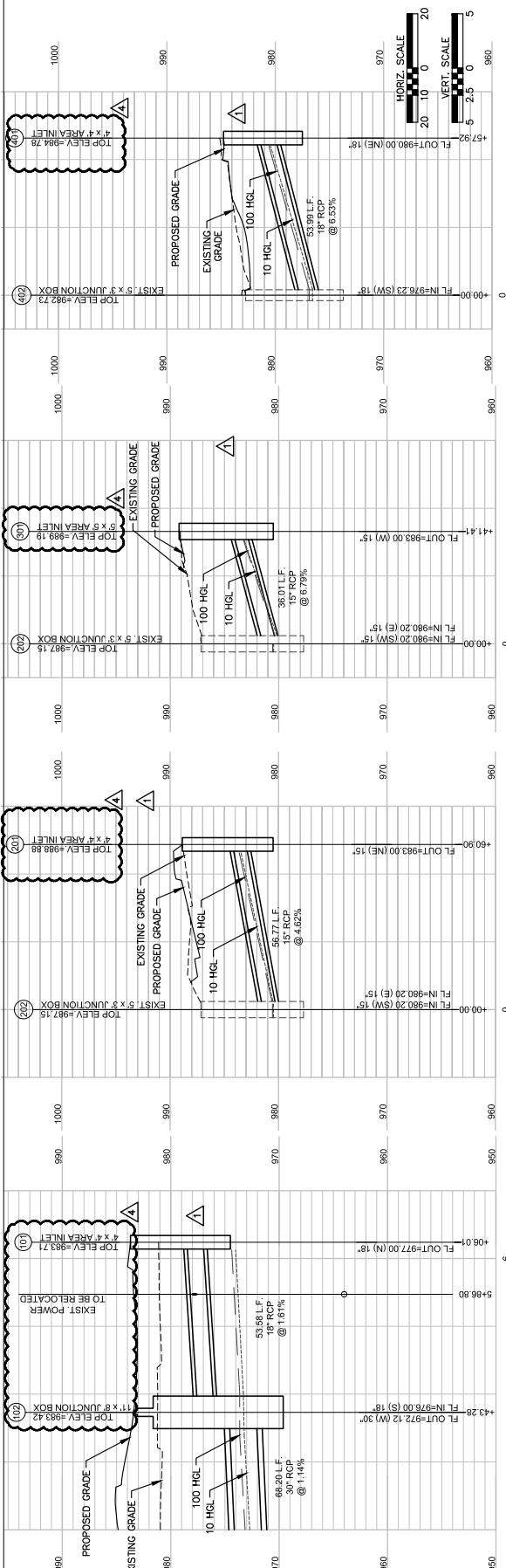
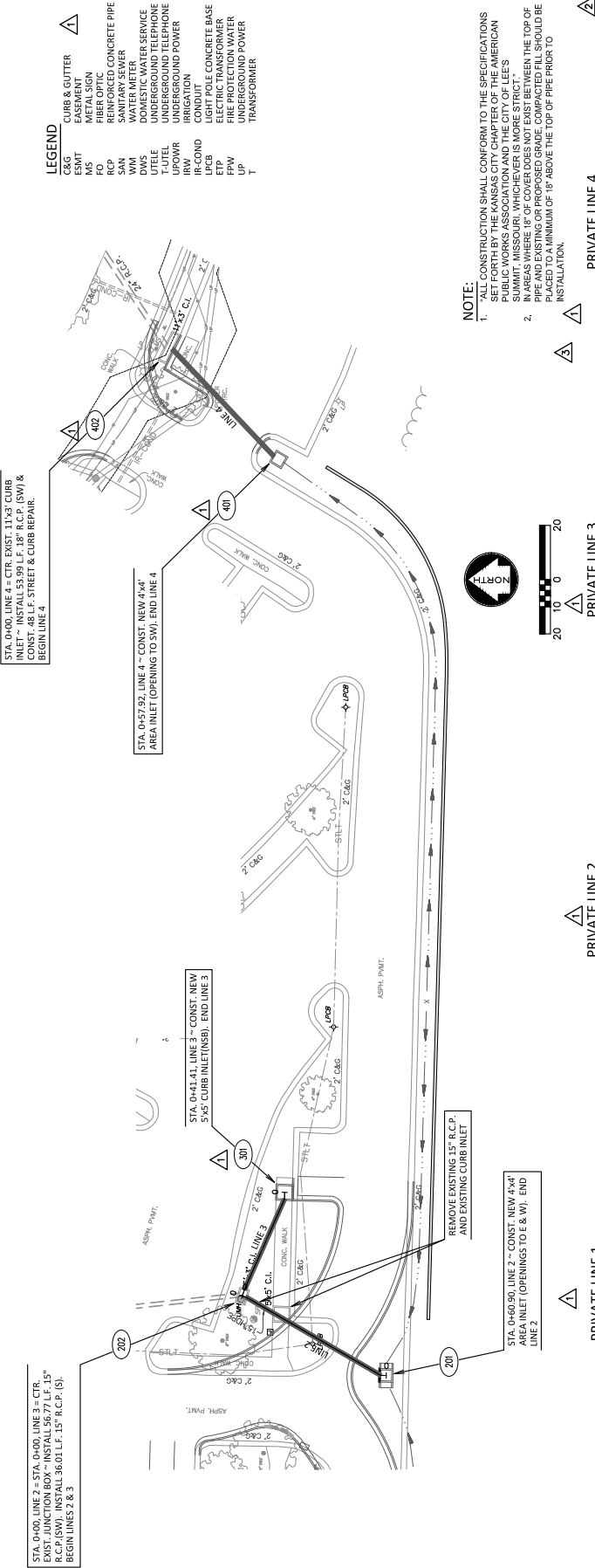
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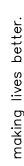
STORM SEWER PLAN & PROFILES (2)



DATE: 11.18.2019
PROJECT: ST. LOUIS, MISSOURI
SHEET NO. C303

DESIGNED BY: MVE
CHECKED BY: MVE
IN CHARGE: MVE
PROJECT NO.: 190891.000
SHEET NO.: C303





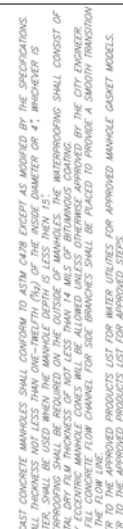
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STATE OF MISSOURI
MATTHEW VAUGHN EBLE
NUMBER
PC-202000548
PC-202000548
02/18/2020

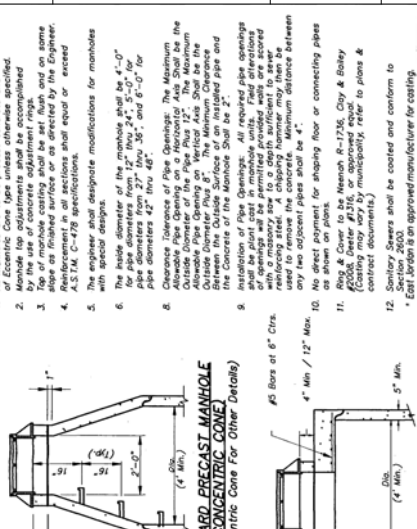
ENGINEER MVE	DESIGNED BY KLJ
DRAWN BY KLJ	CHECKED BY MVE

ENCLOSURE PROJECT No.
1008Q1.000

C304



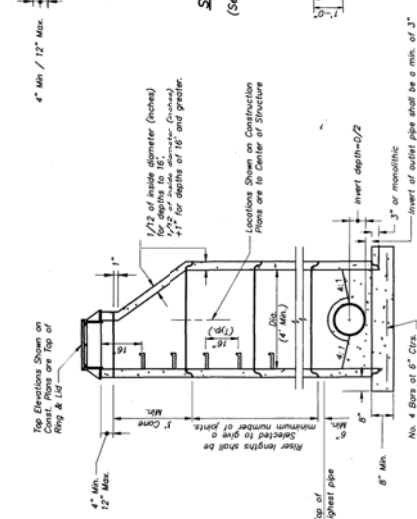
 LEE'S SUMMIT MISSOURI PUBLIC WORKS ENGINEERING DIVISION 1205 SE GREEN STREET LEE'S SUMMIT, MO 64083	Order: 02/13 Drawn By: JH Checked By: DL FILE: 504-2 Date: 1/14 Rev:
	STANDARD PRECAST MANHOLE — SANITARY SEWER



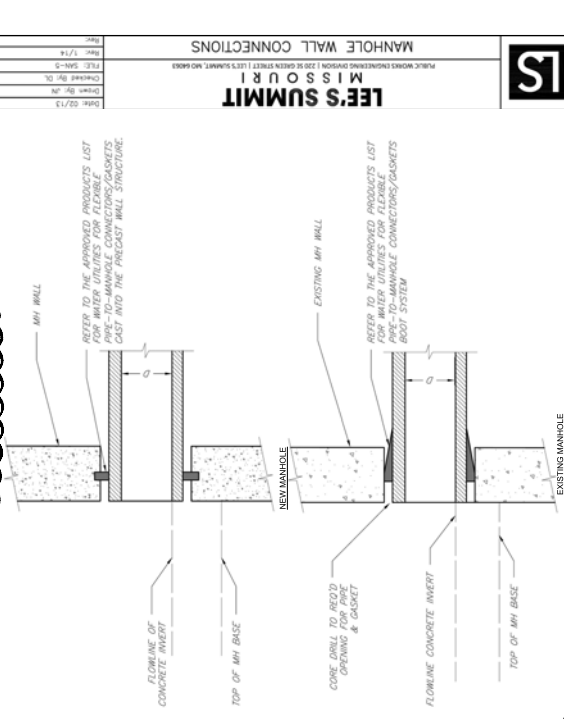
10. PRECAST MANHOLE
 (SHALLOW TYPE)
 (See For Other Details)

[illegible]

DEPARTMENT OF PUBLIC WORKS	<u>CITY ENGINEER</u>	PB-2
ENGINEERING DIVISION	<u>DATE</u>	& CRADLE FOR SANITARY SEWER PIPE



STANDARD PRECAST MANHOLE
(ECCENTRIC CONE)

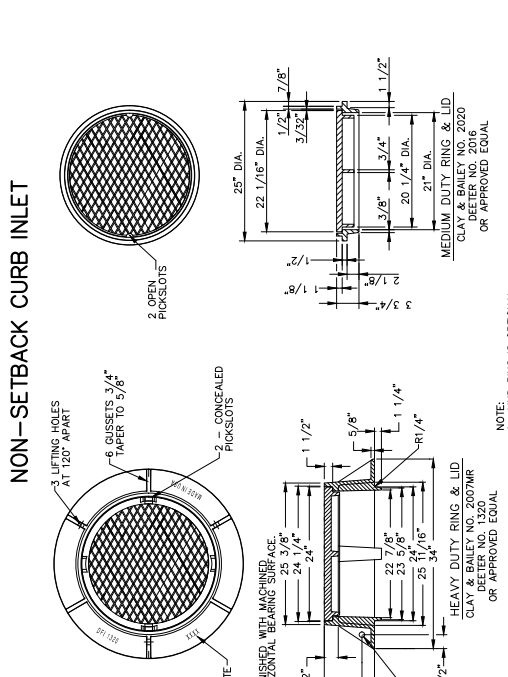
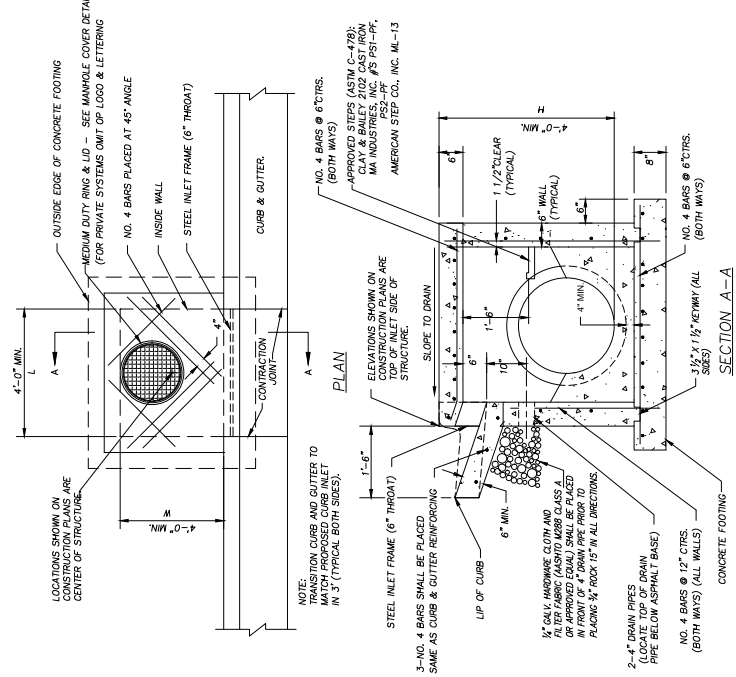
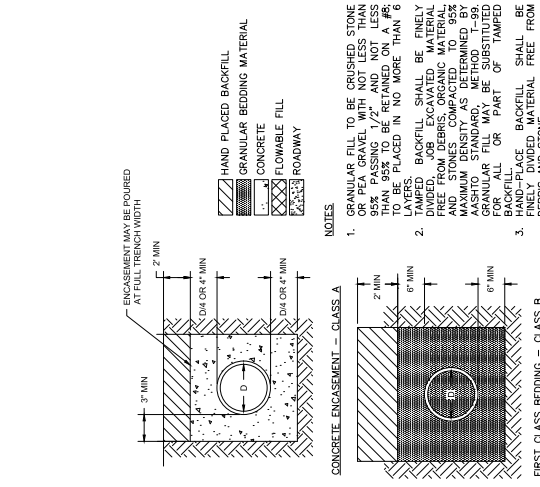
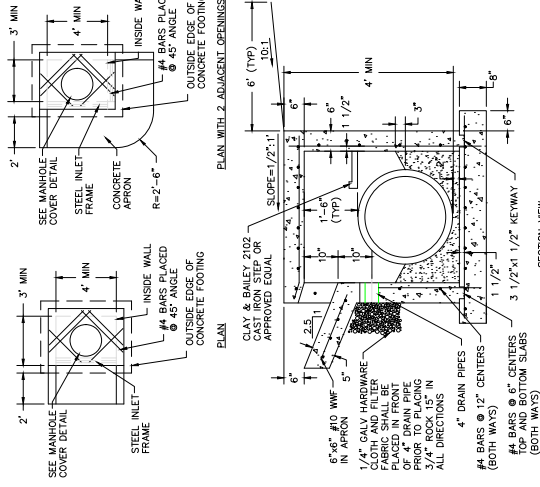
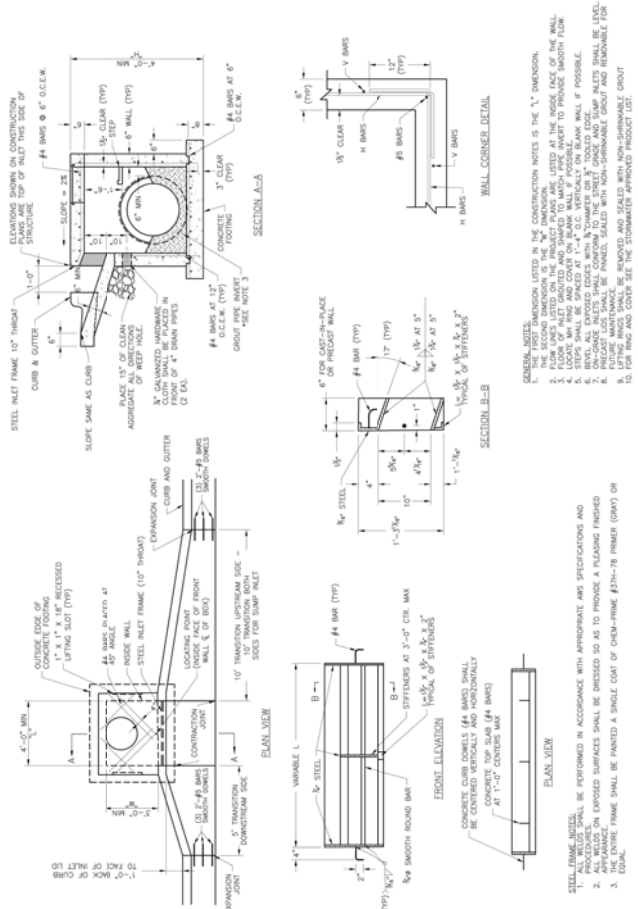




LEE'S SUMMIT MISSOURI

STANDARD DETAILS
CITY OF LEE'S SUMMIT, MO
S SUMMIT, JACKSON COUNTY, MO

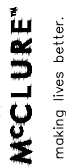
STM-3



1. MUD RING IS OPTIONAL.

TRENCHING DETAILS

SECTION VIEW



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LEE'S SUMMIT, MISSOURI



ISSUE DATE	REVISIONS	01-31-2020	02-06-2020	02-18-2020
11-18-2019		PER CITY COMMENTS	PER CITY COMMENTS	PER OWNER

ENGINEER
MVE
DRAWN BY
KU

DESIGNED BY
KU
CHECKED BY
MVE

MCCLURE PROJECT No.
190891-000

SHEET NO.

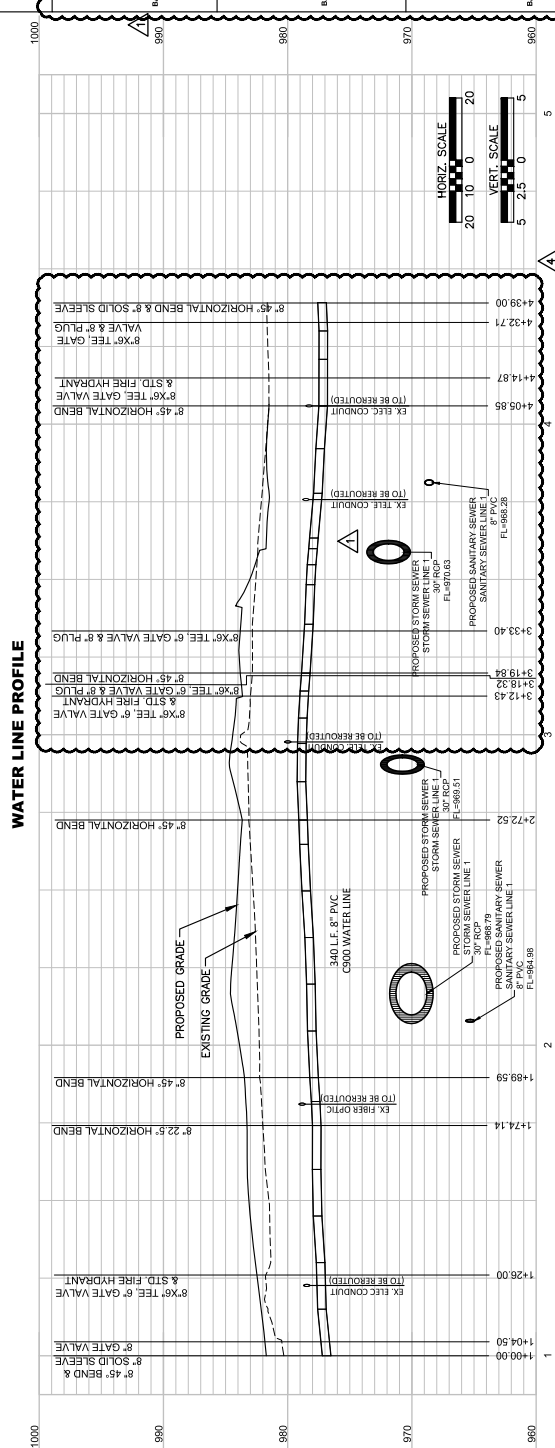
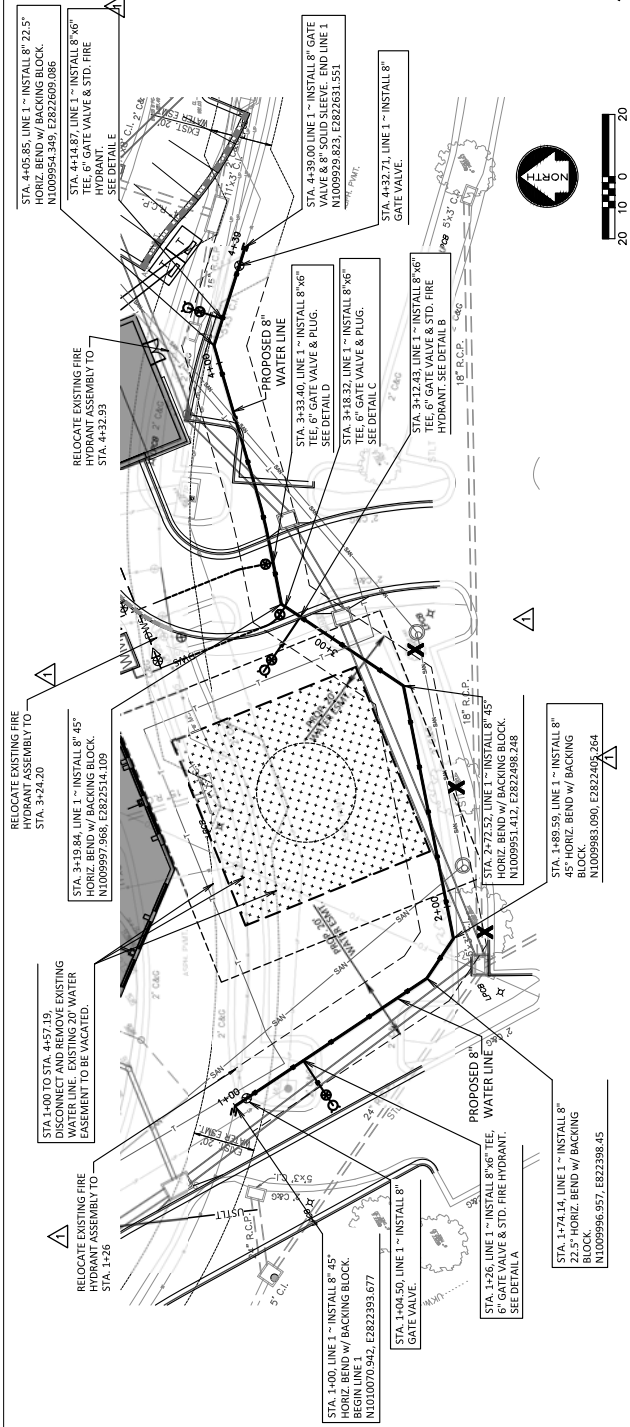
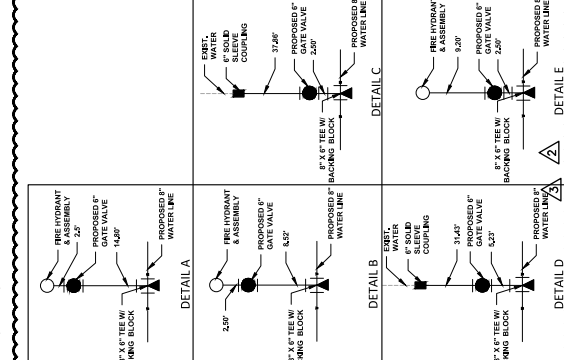
C401

LEGEND

C&G	CURB & GUTTER
ESMT	EASEMENT
MS	METAL SIGN
FO	FIBER OPTIC
SP	SEWER
SD	SANITARY SEWER
WM	WATER METER
WM	DOMESTIC WATER SERVICE
DWS	UNDERGROUND TELEPHONE
UTILE	UNDERGROUND CABLE
UPWR	UNDERGROUND POWER
IRW	IRRIGATION
IR-COND	CONDUIT
ECB	ELECTRIC CONCRETE BASE
ECB	ELECTRIC CONCRETE BASE
FTW	FIRE PROTECTION WATER
UP	UNDERGROUND WATER
T	TRANSFORMER
	ROOFED BUILDING
	HELPED
	TREE TO BE REMOVED

1. ALL PIPE SIZES ARE IN INCHES UNLESS INDICATED OTHERWISE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND COORDINATE WITH ALL DISPOSITED UTILITY COMPANIES AND AGENCIES TO IDENTIFY THE LOCATION OF UTILITIES PRIOR TO COMMENCEMENT OF WORK.
3. SUBCONTRACTOR SHALL COORDINATE ALL REQUIRED UTILITY SHUTDOWNS FOR THE PROJECT WITH THE CITY OF CHICAGO.
4. CONNECTION TO EXISTING WATER MAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL REQUIREMENTS OF THE CITY'S WATER DEPARTMENT.
5. ALL EXISTING AND NEW WATER MAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF CHICAGO'S STANDARD SPECIFICATIONS FOR CONNECTING VESSELS AND OBTAINING ALL PERMITS REQUIRED FOR THE WATER MAIN CONSTRUCTION AND CONNECTIONS.
6. THE MINIMUM COVER FOR WATER PIPING SHALL BE 42 INCHES MINUS THE UTILITY COVER.
7. ANY CHANGES TO PROPOSED UTILITY DESIGN SHALL BE APPROVED BY THE ENGINEER AND THE CONTRACTOR.
8. ALL EXISTING AND NEW WATER MAINS SHALL BE EQUIPPED WITH TEST BENDS OR ELBOWS OF PRESSURIZED PIPING IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS, AND MANUFACTURER'S RECOMMENDATIONS.
9. ALL EXISTING AND NEW WATER MAINS SHALL BE CONSTRUCTED WITH A MINIMUM OF 6 FEET FROM EDGE OF PAVEMENT OR FACE OF CURB, AND A MINIMUM OF 1 FOOT FROM EDGE OF SIDEWALK UNLESS INDICATED OTHERWISE. A RADIUS OF 5 FEET FROM EDGE OF SIDEWALK SHALL BE CLEAR FOR THE EXHIBMENT ACCESS. AREA UNDER HYDRANT SHALL BE CLEAR FOR THE EXHIBMENT ACCESS. AREA UNDER HYDRANT SHALL BE CLEAR FOR THE EXHIBMENT ACCESS.
10. SUBCONTRACTOR SHALL COORDINATE THE INSTALLATION, TESTING, AND INSPECTION OF ALL DOMESTIC WATER AND FIRE WATER SYSTEMS WITH THE CITY OF CHICAGO'S WATER DEPARTMENT AND FIRE DEPARTMENT FOR THE EXHIBMENT WATER MAIN TESTING AND INSPECTIONS.
11. NEW 8" P.C. WATER PIPE SHALL BE C200 ANNA POLYMER CHLORIDE PRESSURE PIPE (P.C.P.) WITH A 18" OF COVER ABOVE THE TOP OF THE PIPE AND

NOTE: ALL CONSTRUCTION SHALL CONFORM TO THE SPECIFICATIONS SET FORTH BY THE KANSAS DEPARTMENT OF TRANSPORTATION, CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION AND THE CITY OF LEE'S MINIMUM OF 18" ABOVE THE TOP OF PIPE TO INSTALLATION.



ENGINEER
MAVE
DRAWN BY
KU

DESIGNED BY
KU

CHECKED BY
MAVE

MACTURE PROJECT N^o.
190891-000

SHEET N^o.
C402