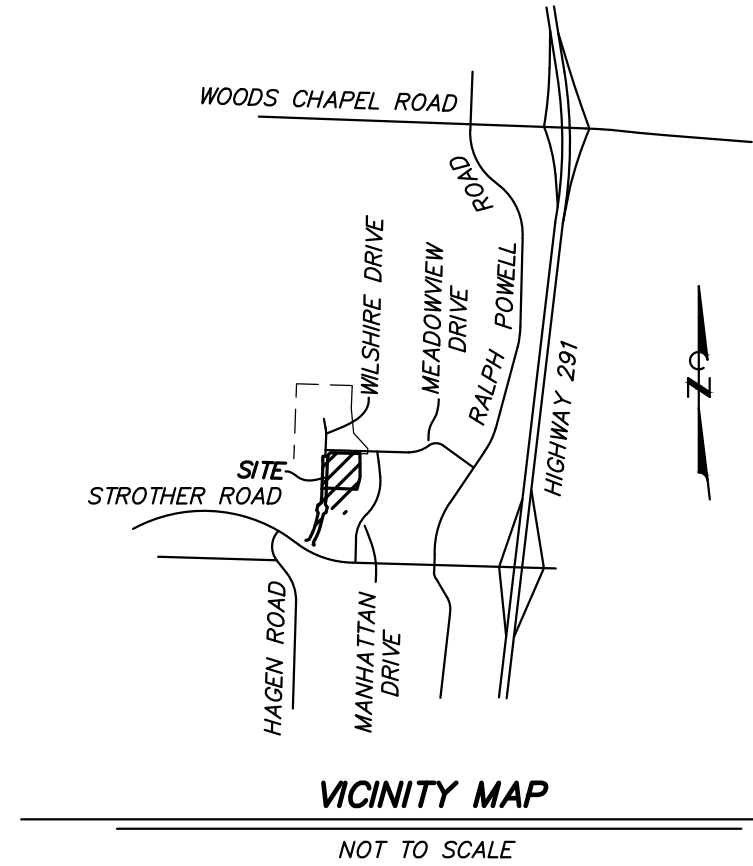


WILSHIRE HILLS - 4TH PLAT SANITARY SEWER EXTENSION

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

JUNE 27, 2023

REVISED: FEBRUARY 16, 2024



VICINITY MAP
NOT TO SCALE

LEGEND

—E—	PROPERTY LINE
—T—	ELECTRIC LINE
—UE—	TELECOMMUNICATIONS LINE
—UT—	UNDERGROUND ELECTRIC LINE
—UFO—	UNDERGROUND TELECOMMUNICATIONS LINE
—S—	UNDERGROUND FIBER OPTIC LINE
—SS—	SANITARY SEWER LINE
—G—	STORM SEWER LINE
—W—	GAS LINE
—X—	WATER LINE
—F—	FENCE
—T&B—	TREE & BRUSH LINE
—DS—	DRAINAGE SWALE
—EC—	EXISTING CONTOUR
—A—	ANCHOR
—TB—	TEST BORING
—I—	IRON
—CP#—	CONTROL POINT
—EM—	ELECTRIC METER
—FES—	FLARED END SECTION
—FH—	FIRE HYDRANT
—FL—	FLOW LINE
—HDPE—	HIGH DENSITY POLYETHYLENE PIPE
—PCP—	PRESTRESSED CONCRETE CYLINDER PIPE
—PVC—	POLYVINYL CHLORIDE PIPE
—TW—	TOP OF WALL
—UP—	UTILITY POLE
—WM—	WATER METER
—WV—	WATER VALVE
—YL—	YARD LIGHT
—SF—	SILT FENCE
—TDD—	TEMPORARY DIVERSION DIKE
—TPB—	TREE PRESERVATION BARRIER
—FC—	FINISH CONTOUR
—750—	TOP OF CURB ELEVATION
—49.5—	TOP OF PAVEMENT ELEVATION
—49.5—	FINISH GRADE ELEVATION
—S—	PROPOSED SANITARY SEWER LINE
—UE—	PROPOSED WATER LINE
—UT—	PROPOSED UNDERGROUND ELECTRIC
—UFO—	PROPOSED UNDERGROUND TELECOMMUNICATIONS
—SS—	PROPOSED STORM SEWER
—G—	PROPOSED WATER VALVE
—W—	PROPOSED FIRE HYDRANT & VALVE
—F—	THRUST BLOCK
—C—	THRUST COLLAR
—DC—	STANDARD DUTY CONCRETE
—HC—	HEAVY DUTY CONCRETE

FLOODPLAIN NOTE

THIS PROPERTY IS LOCATED IN ZONE X "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD" AS SHOWN BY FIRM COMMUNITY PANEL NUMBER 29095C0430G, DATED JANUARY 20, 2017.

ZONING NOTE

THIS PROPERTY IS ZONED "P-MIX" PLANNED MIXED USE DISTRICT

UTILITY CONSTRUCTION NOTES

1. LOCATION OF SITE UTILITIES SHALL BE VERIFIED BY CONTRACTOR AND THE PROPER UTILITY COMPANY PROVIDING SERVICE PRIOR TO THE START OF CONSTRUCTION.
2. EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
3. UTILITY TIE-INS ARE SHOWN IN APPROXIMATE LOCATIONS. REFER TO MEP PLANS FOR EXACT TIE-IN OF ALL UTILITIES.
4. SITE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE SPECIFICATIONS OF LEE'S SUMMIT WATER AND LIGHT DEPARTMENT AND CITY OF LEE'S SUMMIT PUBLIC WORKS WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES, RESPECTIVELY.
5. ALL TRENCHING, PIPE LAYING, AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS, BACKFILL OF TRENCHES THROUGH ANY IMPROVED AREAS, SUCH AS STREET, DRIVES OR PARKING LOTS SHALL BE COMPACTED TO MINIMUM 95% STANDARD PROCTOR DENSITY (ASTM D-698).
6. ALL UNDERGROUND LINES SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
7. TOPS OF EXISTING ELECTRIC, SANITARY, STORM, WATER, TELECOMMUNICATION, GAS, IRRIGATION, CHILLED WATER, AND STEAM STRUCTURES SHALL BE RAISED AS NECESSARY TO BE FLUSH WITH PROPOSED FINISHED ELEVATIONS.
8. ALL CONCRETE FOR ENCASEMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH OF 3000 P.S.I.
9. STUBS FOR FUTURE UTILITIES SHOULD BE CLEARLY MARKED AND ES&S CONTACTED FOR DATA COLLECTION.

CONSTRUCTION NOTES

1. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
2. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL IDENTIFIED PROPERTY CORNERS, LAND SURVEY CORNERS, AND ACCESSORIES. THE CONTRACTOR SHALL CAUSE THE CORNERS AND ACCESSORIES TO BE REFERENCED BY A LICENSED LAND SURVEYOR, AND ANY SUCH CORNER OR ACCESSORIES DISTURBED OR DESTROYED DURING CONSTRUCTION SHALL BE RESET BY THE SURVEYOR AT THE ORIGINAL LOCATION, AND FILE THE RESTORATIONS AND MONUMENT DOCUMENTS AS THE LAW REQUIRES.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEERING SURVEYS AND SERVICES FOR REVIEW AND APPROVAL FOR ALL MATERIALS BEFORE ORDERING.
5. ALL TRAFFIC CONTROL SHALL BE PER CURRENT MUTCD REQUIREMENTS AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. A TRAFFIC CONTROL PLAN WILL BE REQUIRED FOR ANY WORK WITHIN THE RIGHT-OF-WAY.
6. IF A CONFLICT EXISTS BETWEEN THE CIVIL PLANS AND CIVIL SPECIFICATIONS, THE CIVIL PLANS SHALL GOVERN.
7. ALL INCIDENTAL ITEMS INCLUDING BUT NOT LIMITED TO SIGNS, PAVEMENT MARKING, PAVEMENT, CURBS, TRUNCATED DOMES, FENCING, LANDSCAPING, IRRIGATION, ETC. EITHER DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE RETURNED TO ORIGINAL CONDITIONS BY THE CONTRACTOR.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK AND ASSOCIATED WORK SHOWN ON PLANS. CONTRACTOR SHALL COORDINATE INSPECTIONS WITH THE CITY.

AS-BUILT SURVEY NOTES

1. AT THE COMPLETION OF CONSTRUCTION AND PRIOR TO THE FINAL FIELD INSPECTION, AN "AS-BUILT" SURVEY OF THE BIOTRETENTION BASIN SHALL BE SUBMITTED TO THE ENGINEER IN DIGITAL CAD AND PDF FORMAT. PDF FORMAT SHALL INCLUDE THE SURVEYOR'S TITLE BLOCK. THIS SURVEY SHALL INCLUDE THE FOLLOWING:
 1. ELEVATIONS OF INVERTS AND TOPS, TYPE, SIZE OF STRUCTURES.
 2. FIELD-MEASURED DISTANCE BETWEEN STRUCTURES.
 3. SIZE, TYPE, AND ACTUAL SLOPE OF PIPE.
2. THE "AS-BUILT" PLANS SHALL BE IN THE SAME FORMAT AS THE ORIGINAL CONSTRUCTION PLANS, MUST BE CERTIFIED BY A PROFESSIONAL LAND SURVEYOR, AND SHALL MEET THE REQUIREMENTS OF CITY UTILITIES REGULATIONS. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR REVIEW. UPON APPROVAL, THE ENGINEER WILL CERTIFY THE AS-BUILTS AND RETURN TO THE CONTRACTOR. THE CONTRACTOR SHALL SUBMIT A REPRODUCIBLE COPY OF THE FINAL PLAN, THREE (3) SETS OF AS-BUILTS PLANS, AND A DIGITAL COPY OF THE AS-BUILT PLANS TO HENRY COUNTY.

BENCH MARK

BM — MISSOURI DEPARTMENT OF TRANSPORTATION VRS NETWORK.

PROPERTY OWNER

JEFFREY E. SMITH INVESTMENT CO, LLC
206 PEACH WAY
COLUMBIA, MISSOURI 65203

UTILITY NOTES

THE LOCATIONS, SIZES, AND MATERIAL TYPES OF UNDERGROUND UTILITIES INDICATED ON THE PLAT, NOT VISIBLE OR APPARENT FROM THE SURFACE, ARE SHOWN IN THEIR APPROXIMATE LOCATIONS FROM A MISSOURI ONE CALL SYSTEM LOCATE, OR UTILITY COMPANY RECORDS AND WERE NOT VERIFIED IN THE FIELD.

WATER

JACKSON COUNTY PWS# #14
CITY OF LEE'S SUMMIT
220 SE GREEN STREET
LEE'S SUMMIT, MISSOURI 64063
CONTACT: PUBLIC WORKS DEPARTMENT 816-969-1800
12" DI ALONG THE NORTH SIDE OF MEADOWVIEW DRIVE.
30" PCP ALONG THE WEST PROPERTY LINE.

SANITARY SEWER

CITY OF LEE'S SUMMIT
220 SE GREEN STREET
LEE'S SUMMIT, MISSOURI 64063
CONTACT: WES OWEN 816-969-1955
AS SHOWN

STORM SEWER

CITY OF LEE'S SUMMIT
220 SE GREEN STREET
LEE'S SUMMIT, MISSOURI 64063
CONTACT: SHAWN GRAFF 816-969-1800
AS SHOWN

ELECTRIC

EVERGY
1300 SE HAMLEN ROAD
LEE'S SUMMIT, MISSOURI 64081
CONTACT: 888-471-5275

FIBER OPTIC

GOOGLE FIBER
2812 WEST 47TH STREET
KANSAS CITY, KS 66103
CONTACT: CRAIG YOUNG 870-219-5630

GAS

MISSOURI GAS ENERGY
3025 SE CLOVER ROAD
LEE'S SUMMIT, MISSOURI 64081
CONTACT: BECCA ORR 816-969-2230

TELECOM

AT&T
215 N. SPRING STREET, 2nd FLOOR
INDEPENDENCE, MO 64050
CONTACT: MARK MANION 816-275-2341
AS SHOWN

TIME WARNER CABLE

CONTACT: ROY BELLIS 913-643-1914
AS SHOWN

COMCAST CABLE COMMUNICATIONS

3400 NW DUNCAN ROAD
BLUE SPRINGS, MO 64015
CONTACT: BARBARA BROWN 816-795-2255
AS SHOWN



Call BEFORE you DIG
TOLL FREE
1-800-DIG-RITE
MISSOURI ONE-CALL SYSTEM, INC.

NOTE

IT IS IMPORTANT TO NOTE THAT THIS PLAN IS A PART OF A LARGER PUBLIC IMPROVEMENT PLAN CONSTRUCTION DOCUMENT. ALL EROSION AND SEDIMENT CONTROL REQUIREMENTS ARE STILL APPLICABLE FOR ANY ONSITE CONSTRUCTION. PLEASE REFERENCE:

- ROAD & STORM SEWER PLAN COVER
- UTILITY EXTENSION PLAN COVER
- SANITARY SEWER EXTENSION PLAN COVER
- MASS GRADING & EROSION CONTROL PLAN COVER

SHEET INDEX

C4.01	SANITARY SEWER EXTENSION PLAN COVER
C4.02	OVERALL SANITARY SEWER EXTENSION PLAN
C4.03	SANITARY SEWER EXTENSION PLAN & PROFILE
C4.04	SANITARY DETAILS

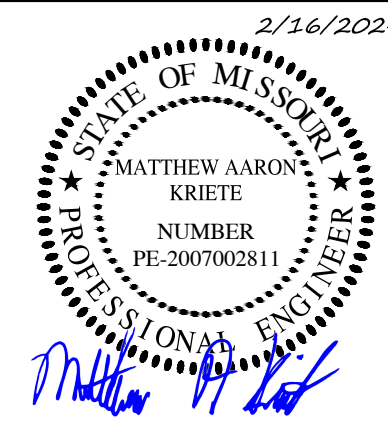
WILSHIRE HILLS - 4TH PLAT
SANITARY SEWER EXTENSION



Engineering Surveys
& Services
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1113 Fay Street, Columbia, MO 65201
973-449-2646
802 El Dorado Drive, Jefferson City, MO 65101
873-636-3303
1775 West Main Street, Sedalia, MO 65301
660-826-8618
www.ess-inc.com
MO Engineering Corp. # 2004005018

PUBLIC IMPROVEMENTS FOR
WILSHIRE HILLS - 4TH PLAT
NE WILSHIRE DRIVE
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI



MATTHEW A. KRIETE
PROFESSIONAL ENGINEER
PE-200700281

IF ORIGINAL SIGNATURE OR DIGITAL AUTHENTICATION IS NOT PRESENT THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT.

Date
JUNE 27, 2023

Revised
① JULY 26, 2023
② OCTOBER 12, 2023
③ NOVEMBER 28, 2023
④ FEBRUARY 16, 2024

Design: ST Drawn: MJS

SANITARY SEWER
EXTENSION PLAN COVER

Sheet

C4.01

ES&S PROJECT NO. 15925

2/16/2024

STATE OF MISSOURI
★ MATTHEW AARON KRIETE ★
NUMBER
PE-2007002811
PROFESSIONAL ENGINEER

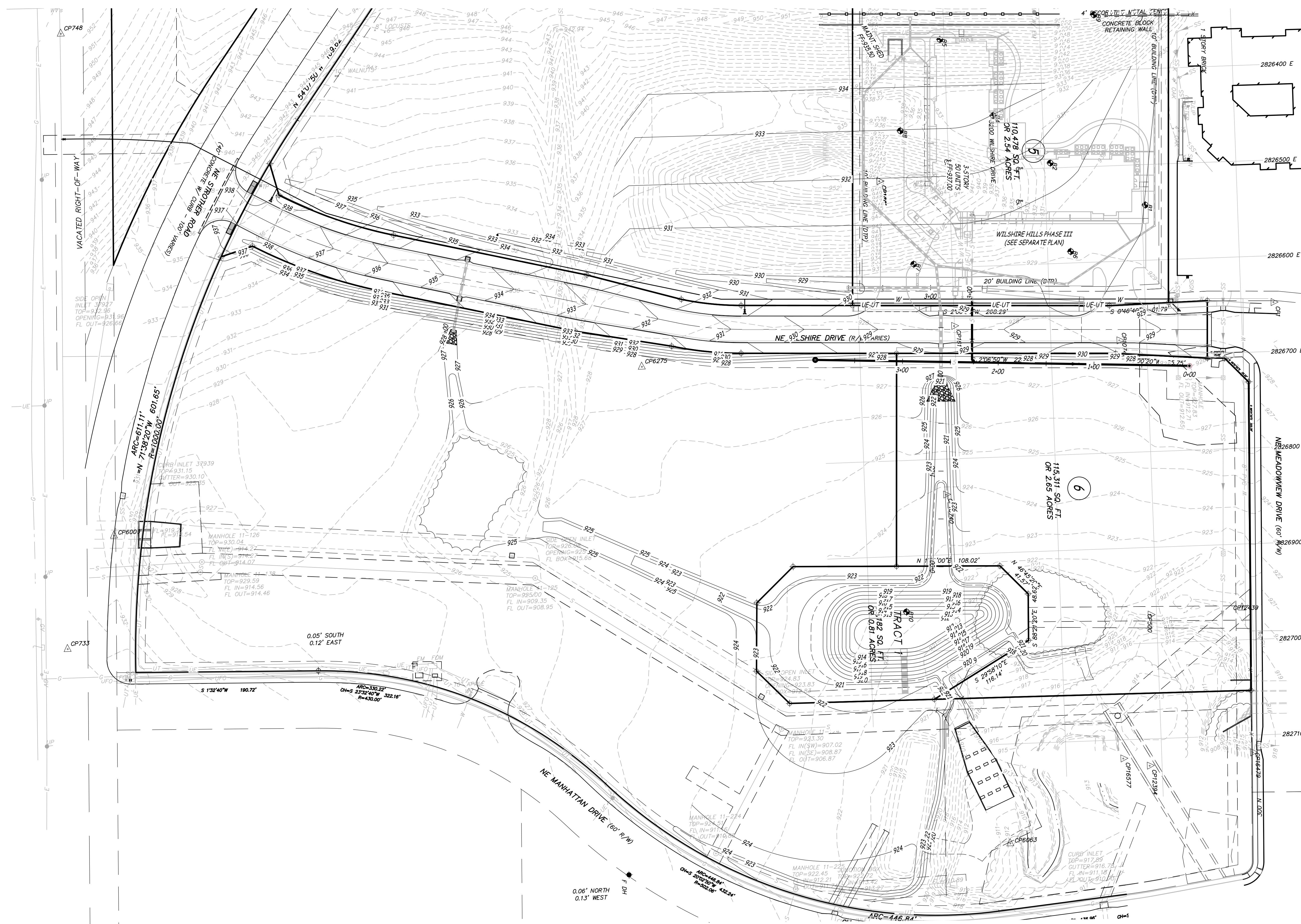
Matthew A Kriete

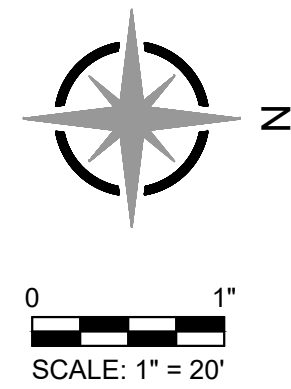
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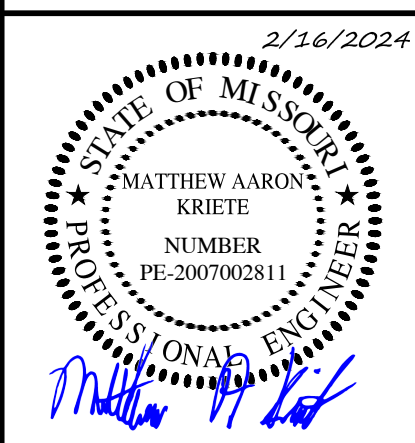
OVERALL SANITARY SEWER
EXTENSION PLAN

ES&S PROJECT NO. 15925





**PUBLIC IMPROVEMENTS FOR
WILSHIRE HILLS PHASE III**
NE WILSHIRE DRIVE
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI



MATTHEW A. KRIETE
PROFESSIONAL ENGINEER
PE-2007002811

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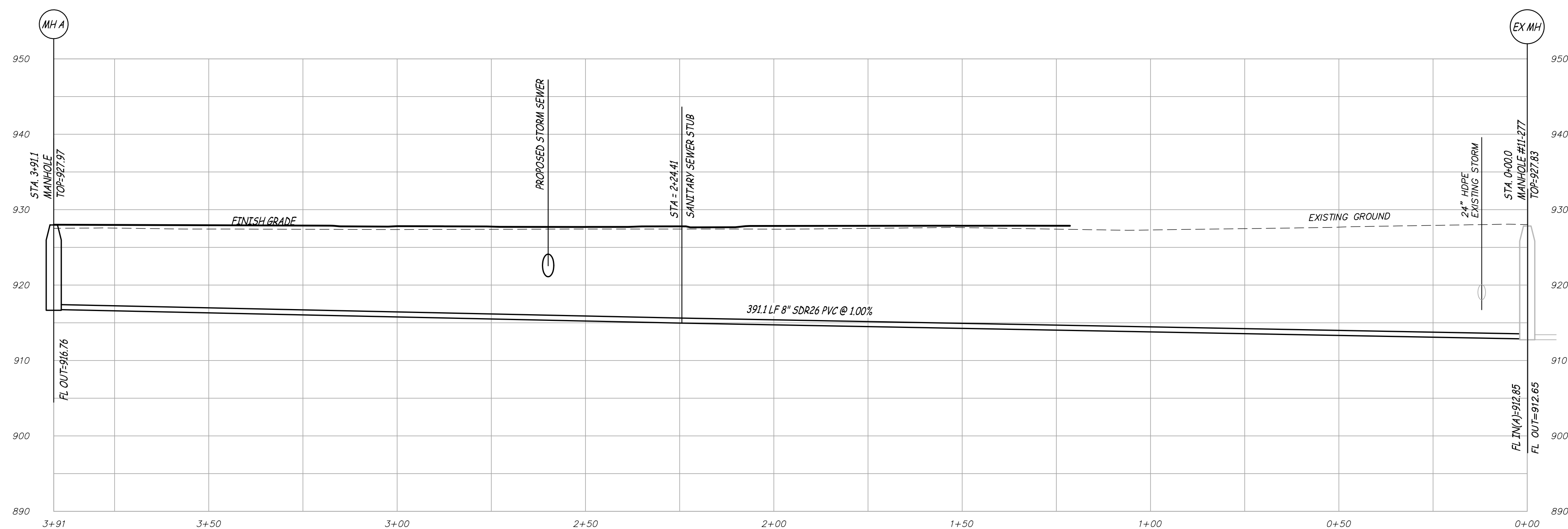
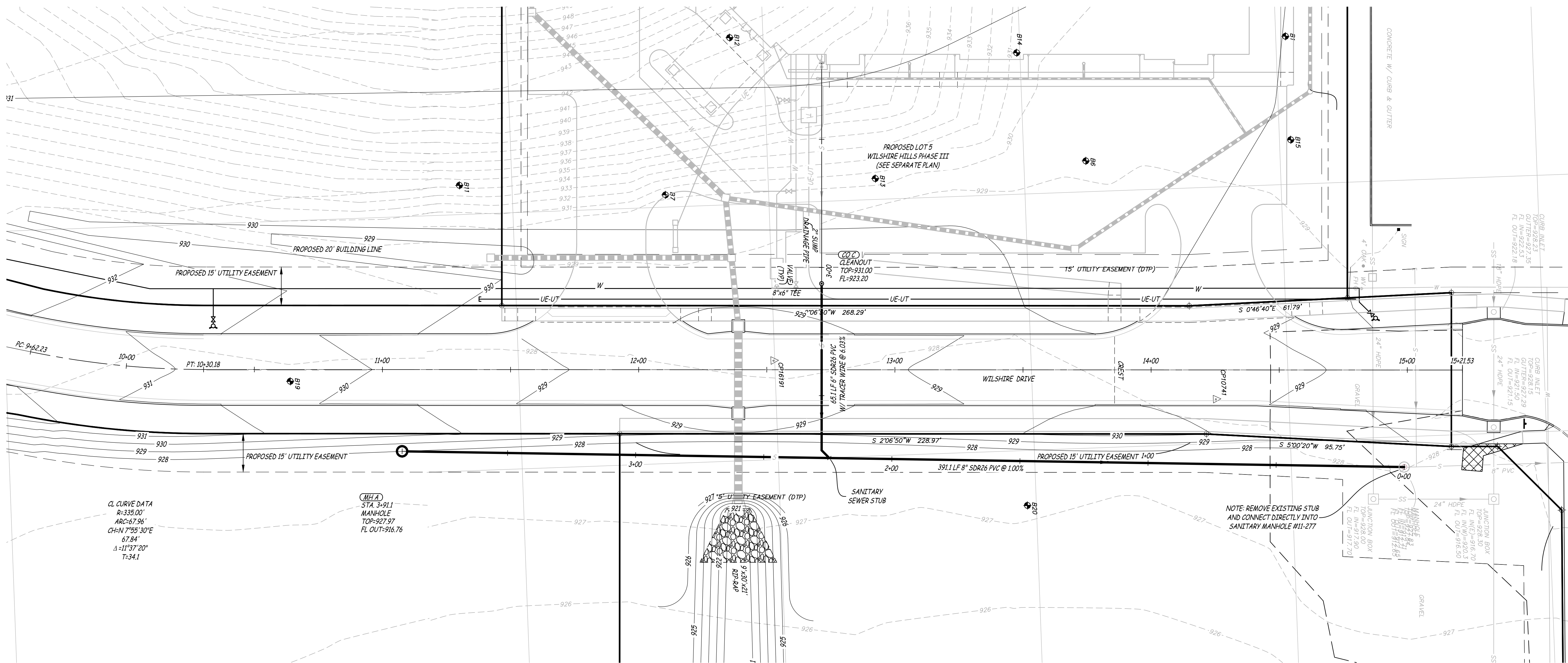
SANITARY SEWER
EXTENSION PLAN & PROFILE

Sheet

C4.03

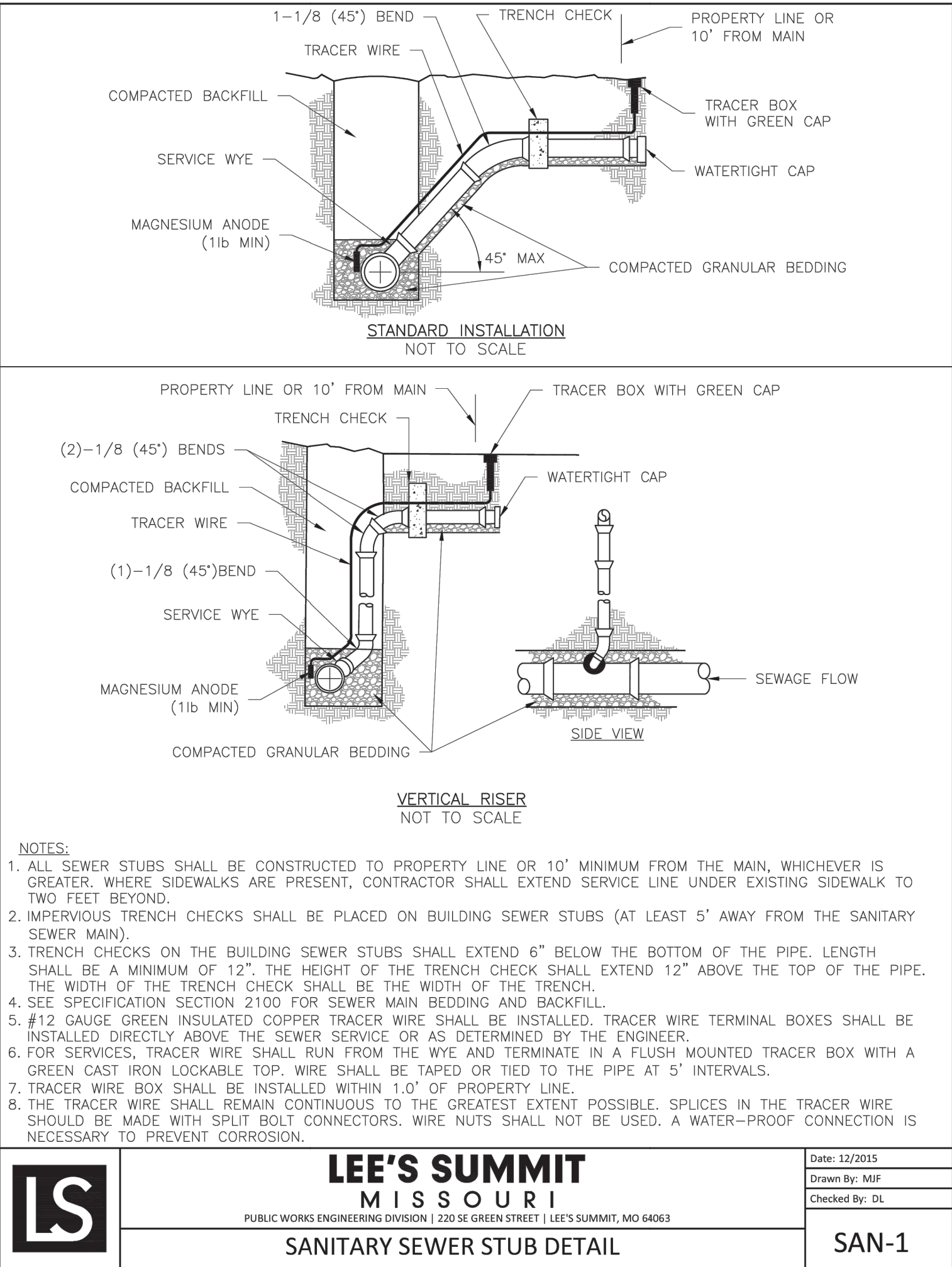
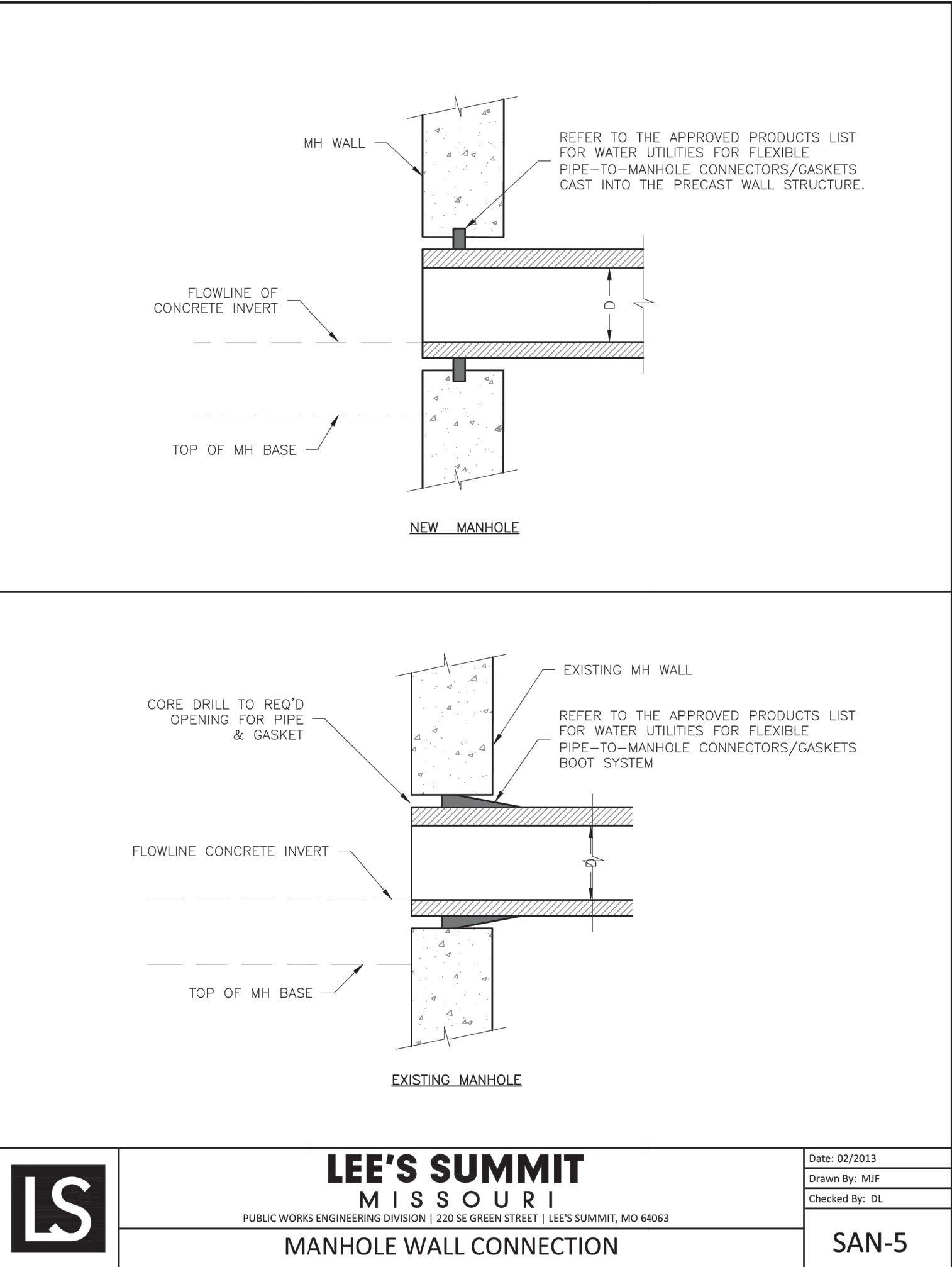
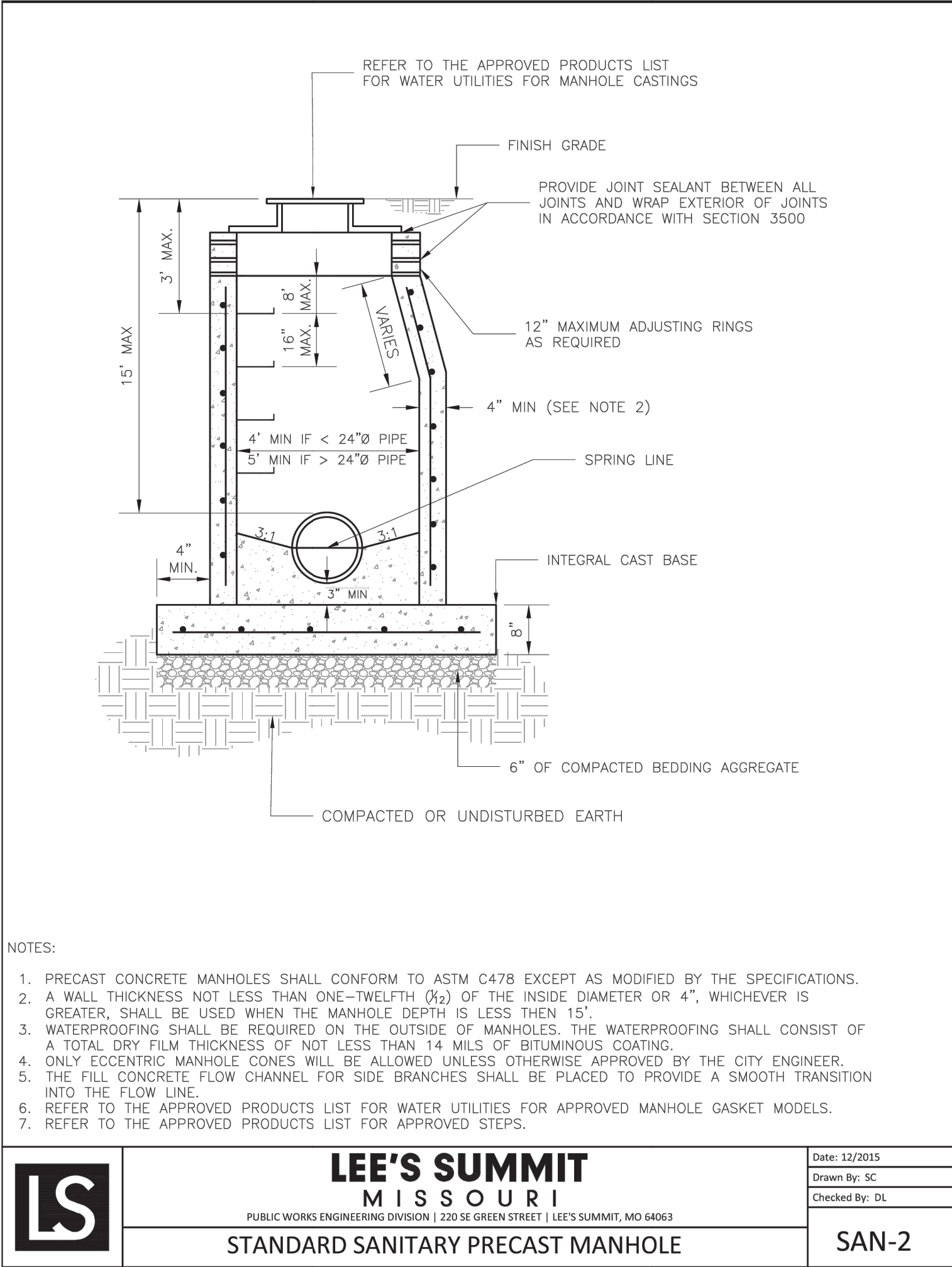
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CONSTRUCTION DOCUMENTS

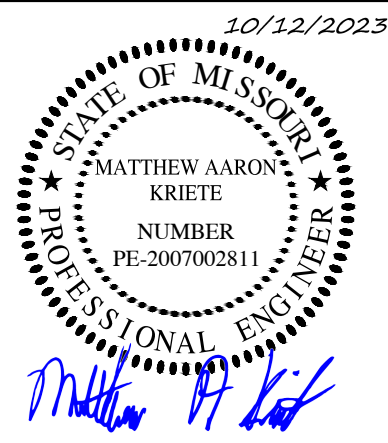


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SCALE - HORIZ. 1" = 20'
VERT. 1" = 10'

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**PUBLIC IMPROVEMENTS FOR
WILSHIRE HILLS - 4TH PLAT**
NE WILSHIRE DRIVE
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI



MATTHEW A. KRIETE
PROFESSIONAL ENGINEER
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SANITARY SEWER DETAILS

Sheet
C4.04

ES&S PROJECT NO. 15925

CONSTRUCTION DOCUMENTS